Programme Book

SETAC Europe 36th Annual Meeting

17–21 May 2026 | Maastricht, The Netherlands

Embrace the Outlier: In Science, Regulations and Networks

Welcome to Maastricht!

Hartelek welkom in Mestreech!

Even for Dutch people, this may need translation, but it means "Very welcome in Maastricht," at the SETAC Europe 36th Annual Meeting. We are indeed very excited to welcome you to one of the oldest cities in the Netherlands. The central theme of the meeting is "Embrace the Outlier," and this may also reflect a bit on Maastricht. It is located in the most southern part of the Netherlands and is a vibrant and most Burgundian city in the country, with its historic city centre and great food and restaurants. With its theme, the SETAC Maastricht programme committee would like to invite you to explore the full breadth of the science presented at the meeting, but also challenge you to visit sessions you might not normally attend to engage with stakeholders and expand your horizons through unforeseen partnerships.

To facilitate this, the meeting in Maastricht presents a programme that allows you to explore innovations towards solving today's and future environmental challenges, improve decision-making and, most of all, involve relevant stakeholders. Specific topics address exciting developments on, e.g., SbD, NAMs, AOPs, NGRA and other breathtaking acronyms and more. But the meeting is even more so designed to bridge between disciplines, paving the way towards true collaboration, communication, education and leadership, which are at the heart of SETAC.

During the daily programme of the annual meeting, you may find yourself immersed in great science. However, we would also like to encourage you to explore the cultural richness of Maastricht (e.g., the "Bonnefantenmuseum", visit the old "Jekerquarter" or one of its local breweries) and to enjoy its gastronomic qualities. During the evenings, Maastricht will provide you with plenty of opportunities for creating joint experiences and will be an inspiration for future collaborations.

We very much look forward to seeing you in Maastricht and engaging with you during an exciting week. And please remember to "Embrace the Outlier"!

Nico Van den Brink
Chair of the SETAC Europe 36th Annual Meeting Programme Committee

Contents

WIFI
Network: SETAC
Password: setac-2026

Europe Partners

Thank you to our partners for their support in helping us advance environmental science and management.

If you are interested in becoming a SETAC Europe Partner, please visit us at the information desk during the meeting or contact us at setac@setac.org.

Welcome from SETAC Europe

Welcome to the SETAC Europe 36th Annual Meeting!

Each year, the SETAC Europe annual meeting offers a rare moment for our community to pause, reconnect and re-energise around a shared purpose: advancing Environmental Quality Through Science®. It is a privilege to welcome you all, from students attending for the first time to long-standing members who helped build this society, to this year's meeting in Maastricht.

It is May and time to "Embrace the Outlier: In Science, Regulations and Networks," a theme that resonates strongly with both our community and the setting of this year's meeting.

Maastricht provides a fitting backdrop for these discussions. Known as the birthplace of the Maastricht Treaty (1992), the city reflects the strong links between environmental science, policy and sustainable development. Located in the Meuse (Maas) river basin, it also embodies many of the environmental challenges we address as a community.

Against this backdrop, SETAC's founding vision feels more relevant than ever. SETAC was created to bridge disciplines and sectors that too often work in isolation. Today's environmental challenges, from chemical pollution and climate change to biodiversity loss and resource use, demand that scientists, risk assessors and policy makers work together across boundaries. This annual meeting is a vibrant platform for that collaboration.

Reflecting the breadth and depth of the SETAC community, the scientific programme showcases a field that continues to evolve and expand. It spans tracks from molecules to ecosystems, including environmental chemistry and exposure, risk assessment, life-cycle approaches, policy and emerging cross-cutting topics. Sessions highlight methodological innovation, data-driven decision-making and innovative tools for integrating evidence across species, stressors and scales, all core to SETAC's role in supporting science-informed regulation and management.

Equally important is what happens beyond the sessions. Throughout the week, you will find opportunities to connect, exchange ideas and build lasting collaborations across sectors and generations. These connections are essential if we want our science to translate into better policies, better technologies and, ultimately, better outcomes for ecosystems and people.

Delivering a meeting of this calibre requires the dedication and collaboration of many contributors. We extend our sincere thanks to the programme committee, session chairs, abstract reviewers and the SETAC Staff for their tireless work in crafting a programme and experience that are scientifically rigorous, inclusive and welcoming. We also thank the student volunteers, presenters, exhibitors, sponsors, partners and attendees for their continued support and commitment to delivering Environmental Quality Through Science®.

Whether you are here to present, learn, reconnect or find your place in this community, welcome! We hope you leave inspired to carry SETAC's mission forward.

Susana Loureiro
SETAC Europe President

Jill Murray
SETAC Europe Executive Director

Global Partners

Thank you to the SETAC Global Partners for helping ensure our goal of Environmental Quality Through Science®.

If you are interested in becoming a SETAC Global Partner, please visit us at the information desk during the meeting, or contact us at setac@setac.org.

Programme Committee and Staff

Programme Committee

- **Nico van den Brink** (Chair), *Wageningen University and Research (WUR), Netherlands*
- Andreas Focks, *Osnabrück University, Germany*
- Anna Huang, *Wageningen Environmental Research, Netherlands*
- Claudia Rivetti, *Unilever, UK*
- Cristina Palacios-Mateo, *Maastricht University, Netherlands*
- Esther Sanyé-Mengual, *JRC, Italy*
- Elena Adams, *Bayer AG, Germany*
- Erin Maloney, *Shell Global Solutions, Netherlands*
- Gustavo Guerrero-Limón, *Vitis Regulatory, Belgium*
- Hanna Schreiber, *UBA, Austria*
- Johan Axelman, *Swedish Chemicals Agency (KEMI), Sweden*
- Laurence Deydier Stephan, *ECHA, Finland*
- Maria Laura De Donno, *Ghent University, Belgium*
- Marianne Matzke, *Bluefrog Scientific, UK*
- Milo de Baat, *University of Amsterdam, Netherlands*
- Nika Galic, *Syngenta Crop Protection, Switzerland*
- Pedro Carvalho, *Aarhus University, Denmark*
- Pilar Gomez, *University of Murcia, Spain*
- Rachel Sharp, *EFSA, Italy*
- Roberto Martins, *CESAM - Centre for Environmental and Marine Studies, University of Aveiro, Portugal*
- Timo Hamers, *Vrije Universiteit Amsterdam, Netherlands*

SETAC Staff

Bart Bosveld
SETAC Global Executive Director

Jill Murray
SETAC Europe Executive Director

Tamar Schlekat
SETAC North America Executive Director

Zuzanna Neziri
SETAC Asia-Pacific Executive Director

Sabine Barrett

Roel Evens

Barbara Koelman

Rebecca Bundschuh

Donna Frankel

Marcy LeBlanc

Helen Callow

Filip Gunst

Erin Nelson

Oana Ciurea

Xiluva Hill

Nikki Mayo

Kelly Derom

Dusty Kennedy

Terresa Murdoch

Meeting Sponsors

Thank you to our meeting supporters for their generous contributions!

Practical Information

Badges

Badges must be worn for access to the conference, including sessions, meetings and the exhibition hall.
To replace a lost badge, a €5 charge applies.

Certificates of Attendance

Registered participants can download their certificate of attendance via the virtual meeting platform. If you are a presenter, you will receive an email with a link to download your presentation certificate shortly after the meeting.

Emergencies and First Aid

If you require medical assistance, please visit the information desk or ask for help from the venue's security staff.
In case of an emergency, dial 112.

Hours (CEST)

Registration
Trajectum North (Level 1)

Sunday 8:30–20:00
Monday 8:30–18:00
Tuesday 8:30–18:00
Wednesday 8:30–18:00
Thursday 8:30–14:30

Cloakroom
Entrance (Level 1)

Sunday 8:30–21:00
Monday 8:30–18:30
Tuesday 8:30–18:30
Wednesday 8:30–18:30
Thursday 8:30–15:15

Speaker Ready Room
Room 1.5 (Level 1)

Sunday 14:00–20:00
Monday 8:30–18:00
Tuesday 8:30–18:00
Wednesday 8:30–18:00
Thursday 8:30–12:00

Participants can store their personal items in the cloakroom for free. SETAC is not responsible for any loss.

Lost and Found

Please visit the registration desk for lost and found items.

Special Needs

If you have a disability or limitation that may require special consideration in order to ensure your full participation in this meeting, please see a staff person at the information desk. Please note, advance notice is necessary to arrange for some accessibility needs.

Family Room

The Family Room (**Room 0.6**) is available **Monday to Wednesday, from 9:00–18:00 CEST**. This space is designated for those who wish to spend time with their children during the meeting. Please note that children must be supervised by their parents at all times and may not be left unattended.

Quiet Room

The Quiet Room (**Room 0.7**) is available from **Monday to Wednesday, from 9:00–18:00 CEST**. This low-stimulus environment is intended for rest and reflection. During lunch breaks, the Quiet Room offers an opportunity for yoga or meditation practice through looping video sessions, with no supervision or instructors. Participants are encouraged to follow along at their own pace.

Exhibitor Listing

Booth	Company name	
83	Agilent Technologies	🌐
11	AgroChemex Environmental Limited	★
89	Aquatic Enterprises Inc	
42	aQuaTox – Econetta	
1	Arcadis	
67	ARCHE Consulting	★
10	BASF Experimental Toxicology & Ecology	
45	Battelle	
44	Bayer AG	🌐
31	BioChem agrar GmbH	
54	Bioneeds India Private Limited	
104	Biotage	
79	Blue Frog Scientific	★
61	Bruker Daltonics	
35	CEA	★
34	CEFIC-LRI	★
82	CEMAS (CEM Analytical Services)	★
53	Cloverstrategy Lda	★
24	Concawe, European Fuel Manufacturers Association	★
46	Currenta GmbH & Co. OHG	
74	Dr. Ebeling & Assoc.	
22	ECETOC	★
71	European Chemicals Agency	★
90	ECHO Instruments	
78	Ecotox alliance sp. z o.o GLP-Certified Laboratory	★
29	enviPath	
8	Enviresearch Ltd	★
26	ERM	★
15, 16	Eurofins Agroscience	★
5	European Commission - Joint Research Centre	

Booth	Company name	
56	Experimental Pathology Laboratories, Inc.	
52	Exponent	🌐
7	Fera	★
43	Fraunhofer IME	
55	gaiac eco assessment	★
23	GG BioTech Design	★
77	HESI	🌐
64	Holis	
37	Hydrotox	★
51	Hygiene-Institut des Ruhrgebiets	★
75	ibacon GmbH	★
103	GBA Group	
57	ionBench	
69	JRF Global	🌐
98	KeAi Publishing	
101	knoell	★
19	KREATiS SAS	
50	Labcorp	★
12	LabLogic	
84	Labmix24 GmbH	
94	Laboratoire Watchfrog	
58	Laboratory of Mathematical Chemistry (LMC)	
32	LAUS - The GLP Lab	
21	Loligo Systems	★
85	Lukasiewicz - IPO Branch Pszczyna	★
65, 66	Metals Data Centre	🌐
38	Microbiotests	★
68	NC3Rs	★
25	Noack Laboratorien GmbH	★
4	Norwegian Institute for Water Research (NIVA)	★

Exhibitor Listing

Booth	Company name	
63	PARC	
73	Penman Consulting	
59	Phenomenex	
86	PrecisionTox	
76	PRIMACYT Cell Culture Technology GmbH	
93	PyroScience GmbH Sensor Technology	
72	Research Institute for Fragrance Materials	🌐
27	Rifcon GmbH	★
91	Royal Society of Chemistry	
3	Sagentia Regulatory, formerly TSG	★
60	SCIEX	
33	Scymaris Ltd	★
SETAC Square	SETAC Journals	
36	SGS	★
105, 106	Shimadzu Europa GmbH	
92	SmartMembranes GmbH	
28	Smithers	★
47	Staphyt	
49	SynTech Research Group	★
97	TEKENBIO	
102	Tetra Tech	★
39	ToxRat	★
41	VIEWPOINT	★
70	Vitis Regulatory	
87, 88	Waters GmbH	🌐
81	wca	★
20	Wellington Laboratories	
40	Zantiks Ltd	

Exhibition Floorplan

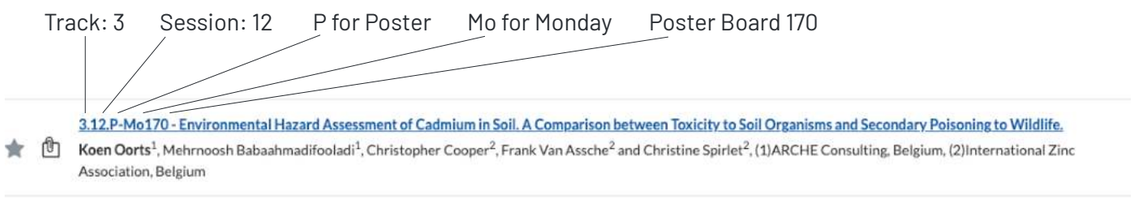
View the exhibition floorplan with all exhibitors and their locations online.

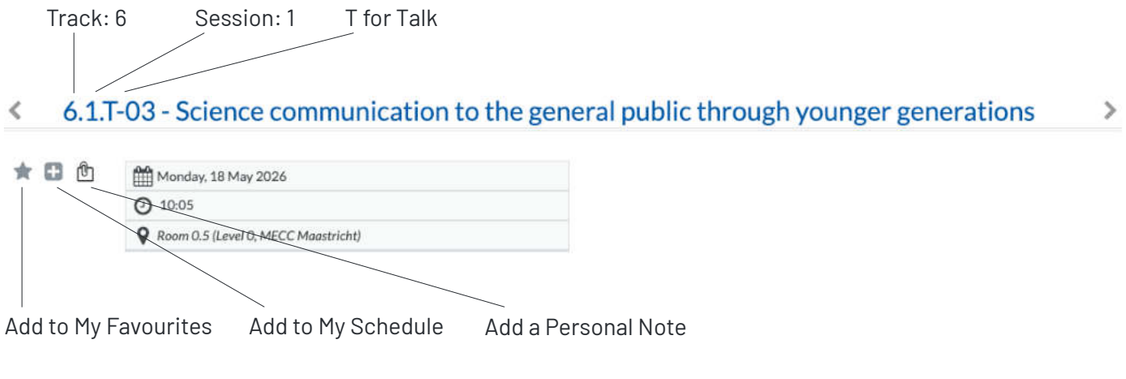
🌐 SETAC Global Partner
★ SETAC Europe Partner

Scientific Programme

Scientific Programme Organisation

The scientific programme is organised by tracks and sessions. Within each session, there are sub-sessions organised by talks (T), posters (P) and poster corners (PC). Recordings of the platform sessions and the poster files are available on-demand on the meeting platform for up to three months after the conference.





Tracks

1. Environmental and Human Toxicology: From Molecules to Organisms, from Omics to in Vivo
2. Ecotoxicology Becomes Stress Ecology: From Populations to Ecosystems and Landscapes
3. Environmental Chemistry and Exposure Assessment: Analysis, Monitoring, Fate and Modeling
4. Ecological and Human Health Risk Assessment of Chemicals, Mixtures and Stressors and Risk Mitigation Strategies
5. Life Cycle Assessment and Foot-Printing
6. Environmental Policy, Risk Management, and Science Communication
7. Moving Beyond - Cross Cutting Themes, Emerging, Transdisciplinary and Outlying Topics
8. Special Sessions

Scientific Programme Updates

The programme book reflects the status of the programme on 22 April, which was the print deadline. For the most up-to-date information, please visit the online meeting platform. For example, some presentations may have been withdrawn and some platform sessions may have been restructured.

Meeting Platform

Visit the meeting platform to view the most up-to-date schedule or access the recordings.

Abstract Book

Download your copy at setac.org/maastricht.

Presenter Information

Information for Platform Presenters

General Information

Each platform presenter has 12 minutes followed by three minutes for questions and answers. Session chairs will enforce this. We advise you to:

- Have your presentation slides uploaded in advance.
- Be in the session room no later than 20 minutes prior to the session and introduce yourself to the session chair(s).
- Stay on schedule!

Presentation Upload and Review

If you are a platform or poster spotlight presenter, you can upload your PowerPoint or pdf presentation via the meeting platform or on-site in the speaker-ready room (room 1.5). Our staff and volunteers will be happy to help you. Be sure to upload your presentation either online by 23:59 CEST the day before your presentation or in the speaker-ready room.

Information for Poster Presenters

Poster Display

Posters are displayed in the exhibition hall from 9:30–18:00 CEST. Each poster has been assigned a specific code. The two letters represent the day your poster will be displayed, and the number refers to the poster board, e.g., Mo123 = Monday, board 123.

Poster Setup and Take Down

Presenters are responsible for setup and takedown. Posters for the respective day can be put up from 8:30 to 9:30 CEST. Posters must be taken down immediately after the poster social on Monday-Wednesday by 18:15 CEST and after the lunch break on Thursday by 14:25 CEST, or they will be taken down and destroyed.

Poster Viewing and Attendance

There are designated poster viewings per day (see table below). Poster presenters are encouraged to be available to present their posters during these times to ensure maximum exposure for their research.

Poster Corner Presentations

The poster corners are scheduled from 16:00–16:45 CEST and located in the Expo Foyer. During the session, up to six posters with a common theme will be highlighted in front of a digital screen, followed by a moderated discussion with the audience.

Poster Spotlight Presentations

The poster spotlights take place at the end of a platform session and consist of a 4-minute pitch, highlighting the major findings of the work. If you have a poster spotlight presentation (maximum three slides), please upload your presentation in advance (see Presentation Upload).

Late Poster Presentations

Late-breaking science poster abstracts are not listed in the printed programme. Please check the online programme instead.

POSTER VIEWING AND ATTENDANCE		
	Monday–Wednesday	Thursday
Setup	8:30–09:30	8:30–09:30
Morning Coffee Break & Poster Viewing	10:50–11:35	10:50–11:35
Lunch Break & Poster Viewing	12:55–14:25	12:55–14:25
Poster Social Break	15:45–18:00	
Poster Corners	16:00–16:45	
Take Down	by 18:15	by 14:25

SPEAKER-READY ROOM (ROOM 1.5)	
Sunday	14:00–20:00
Monday-Wednesday	8:30–18:00
Thursday	8:30–12:00

Sunday, 17 May

SUNDAY SCHEDULE		
08:30–20:00	Badge Pick-Up and Registration	Trajectum North
08:30–21:00	Cloakroom	Entrance Level 1
08:30–17:30	Training Courses	
09:00–15:00	SETAC Europe Board Meeting	2.3
14:00–20:00	Speaker Ready Room	1.5
17:30–19:00	**Opening and Awards Ceremony Featuring Sunday Plenary**	**Auditorium 1 and 2**
19:00–20:30	**Welcome Reception**	**Exhibition Hall**
19:30–20:00	Meet & Greet with Jill Murray: New SETAC Europe Executive Director	SETAC Square

Training Courses

MORNING HALF-DAY COURSES | 8:30–12:30		
TC01	Modelling Microplastic Fate in the Environment with the Free, Open-Source UTOPIA Web Application	0.3
TC05	Fundamentals of Polymer Analytics for Regulatory Purposes	0.6

FULL-DAY COURSES | 8:30–17:30		
TC03	SSbD in Practice: A Hands-On Approach to Safe and Sustainable Innovation	0.2
TC04	Mesocosm Studies for Pesticide Risk Assessment – An On-site Demonstration	Meeting point: Registration desk
TC07	Introduction to Mechanistic Effect Modelling for Environmental Risk Assessment	0.1
TC08	Statistical Methods in Ecotoxicology Using R	0.7

AFTERNOON HALF-DAY COURSES | 13:30–17:30		
TC02	Activity-Based Environmental Risk Assessment for PFAS and POPs	0.6
TC06	Hands-on Landscape-Based Ecological Risk Assessment Using the Open-Source xLandscape Modelling Framework	0.3
TC09	Assessing the Environmental Persistence of Chemicals in a Regulatory Context	1.3

Get Involved in SETAC Europe

We are looking for motivated members to join our committees. Contribute to key areas of SETAC Europe and get involved in topics aligned with your expertise and interests.

Explore our standing committees:

- **» Science**
- **» Education**
- **» Diversity and Inclusion**
- **» Awards**
- **» Branches**
- **» Finances**
- **» European Commission Sounding Board**

Learn more and apply by 26 May!

Opening and Awards Ceremony

17:30–19:00 | Auditorium 1 and 2

Join us for the official opening of the SETAC Europe 36th Annual Meeting. Sambaband, Amistura, will set the rhythm for a week of groundbreaking science, collaboration and unforgettable experiences. Following this energetic performance, the ceremony will continue with welcome addresses from SETAC Europe leadership, the reveal of this year's award winners and introductions from the Programme Committee, all leading into a thought-provoking plenary session.

Sunday Plenary

17:30–19:00 | Auditorium 1 and 2

Eating the Elephant and Empowering the Next Generation: Early-Career Perspectives on Environmental Science, Academia, and the Future

Dylan J. Asbury, Romain Figuière, Anna Shalin, Bianca Stadelmann and Micha Wehrli, *SETAC Europe Student Advisory Council*

What does it mean to be an early-career researcher in environmental science today and is academia truly preparing us for the world we are inheriting?

This opening keynote takes an unconventional approach to answering those questions. Five early-career researchers share the stage for a candid conversation, deliberately chosen to reflect how science actually happens: collaboratively, imperfectly and with a healthy dose of self-doubt. Together, they explore what it feels like to work in environmental science at a time when the scale of global challenges can be as paralysing as it is motivating. They ask hard questions about the culture of academia, how it can be just as rewarding as discouraging, who it includes and who it pushes out, and what it would take to train the next generation of scientists for a world that has fundamentally changed.

This is not a keynote with all the answers, but it might change how you think about the questions.
Spoiler: No elephants were harmed to bring this talk to you.

About
As early-career researchers, Dylan, Romain, Anna, Bianca, and Micha juggle fieldwork, lab experiments and the pressures of PhD and postdoc life across different institutions and countries. Their work in environmental chemistry and toxicology has made them acutely aware of how slowly scientific insights can translate into public awareness and policy, as well as how unevenly attention is distributed between issues like climate change and chemical pollution.

These shared experiences have led them to advocate more strongly for early-career researchers and students, and for research cultures that are collaborative, inclusive and sustainable, conditions they see as essential for doing effective environmental science in a rapidly changing world.

Welcome Reception

19:00-20:30 | Exhibition Hall

Join us in the exhibition hall (South Hall) for drinks, bites and plenty of networking. Connect with exhibitors, reconnect with colleagues and make new connections within the SETAC community.

Be sure to stop by the SETAC Square from 19:30-20:00 CEST to meet SETAC Europe's new Executive Director, Jill Murray.

MONDAY SCHEDULE		
08:30–09:30	Poster Setup	Exhibition Hall
08:30–18:00	Badge Pick-Up & Registration	Registration Area
08:30–18:15	Speaker Ready Room	1.5
08:30–18:30	Cloakroom	Entrance Level 1
09:00–16:00	Scymaris Business Meetings	2.6
09:00–18:00	ibacon Business Meetings	1.9
09:30–10:50	**Presentation Sessions**	
10:50–11:35	Coffee & Poster Break	Exhibition Hall
10:50–11:35	SETAC Journals: Meet the Editors	SETAC Square
11:35–12:55	**Presentation Sessions**	
12:55–14:25	Lunch & Poster Break	Exhibition Hall
12:55–14:25	SCIEX Sponsored Lunch Seminar	MECC Café
12:55–14:25	Student Lunch: Career Perspectives	1.3
13:00–14:25	Bayer Sponsored Lunch Seminar	1.1
13:25–14:25	LGBTIAQ+ Meetup	2.3
14:00–15:30	Science Committee Meeting	0.1
14:25–15:45	**Presentation Sessions**	
15:45–18:00	**Poster Social Break**	**Exhibition Hall**
16:00–16:45	**Poster Corners**	**Expo Foyer**
16:00–17:00	Biologics in Agriculture Interest Group Meeting	2.4
16:00–17:00	Regional Branches Committee Meeting	0.1
16:00–18:05	Persistence Science Interest Group Meeting	MECC Café
16:30–18:00	Effect Modeling Interest Group Meeting	2.3
16:45–18:45	Global Soils Interest Group Meeting	1.1
17:00–18:00	**Plenary: Michael Pocock**	**Auditorium 1**
17:00–18:00	"Detection, Degradation, Risks and Sustainability of Agricultural and Biodegradable Plastics in Soil" Meeting	0.1
17:00–19:00	Endocrine Disruptors Interest Group Meeting	2.4
17:00–19:00	Student Event: Toxic Tales	1.3

Monday, 18 May

Plenary Speaker

17:00–18:00 | Auditorium 1

Outliers in Decision Making? The Benefits and Impacts of Citizen Science for Science and Society

Michael Pocock, *UK Centre for Ecology &Hydrology*

Volunteer engagement in scientific research and monitoring has a long history, and the technology revolution has helped the rapid growth of environmental citizen science over the past 20 years. Through this talk, I will draw on a wide range of projects to demonstrate that citizen science enables public audiences to be critical stakeholders in science and action. Citizen science is well-known for enabling cost-efficient data collection at larger spatial extents and finer resolutions than would otherwise be possible, for example, records submitted by volunteers in Britain—and checked for data quality—produce long-term trends for 5000 invertebrate species. Records can be re-analysed, for example, to explore impacts of neonicotinoid pesticides on wild bees or the effects of climate change on biodiversity. Citizen science is diverse: it ranges from mass participation projects engaging thousands of people in recording species, through to detailed monitoring of river quality, or campaigns to understand the distribution of invasive species, pesticides in honey or fungal anti-microbial resistance. Benefits go beyond contributing to knowledge. Citizen science benefits society through awareness-raising and provides direct benefits to individuals. We have shown that participation boosts wellbeing, grows skills and increases nature connectedness, leading to pro-environmental behaviour change, thus contributing to a virtuous cycle of science and action. But the use of citizen science can also create ethical challenges, so taking a people-centred approach to developing projects is crucial to creating citizen science that is inclusive, effective for science and contributes to environmental stewardship.

About Michael Pocock

Michael Pocock is an ecologist interested in the interactions between nature, people and data, particularly in researching biodiversity change through 'citizen science'. He has broad experience in citizen science and participatory monitoring: running citizen science projects, innovating in tools and citizen science methods, building the evidence base for excellence in the field and using the data for research. At UKCEH, he works within the Biological Records Centre that has a 60+ year history of supporting naturalists making records to understand changes in biodiversity and his experience extends to citizen science for freshwater monitoring, invasive species, agro-environments and with school children. He draws on multiple disciplines for the effective co-design of citizen science and to understand its multiple benefits for participants, society and science. Pocock is committed to public engagement with research, including working with artists on an innovative art-science installation to explore what is gained and what is lost when we make nature digital. Pocock has served on the board of directors of the Citizen Science Association, is the secretariat for the Citizen Science group of the UK Environmental Observation Framework and is UKCEH's academic lead for public engagement with research.

★ Special Session

11:35–12:55 | Auditorium 2

8.03 – Pull Up a Chair: Connecting Science, Society, and the Next Generation

Dylan J. Asbury, Romain Figuière, Anna Shalin, Bianca Stadelmann and Micha Wehrli

Academics are often accused of working from "ivory towers", distant from communities in which their research aims to create impact. Yet many students and early-career researchers are eager to challenge this perception and build stronger, more reciprocal relationships with society. At the same time young people, both inside and outside academia, are seeking clearer, more engaging pathways to understand and influence discussions leading to change. This reflects the understanding among young people that we are disproportionally affected by chemical pollution and other environmental changes.

Despite this shared motivation, meaningful two-way communication between scientists and the wider public, especially youth, remains limited. The issue of chemical pollution exemplifies this disconnect. While youth-led movements have reshaped local and global conversations on climate change, hindered by perceptions of complexity, fragmented information and lack of accessible platforms of engagement mean that similar momentum around chemical pollution and governance has yet to emerge.

This special session aims to bridge that gap, fostering more efficient two-way communication and collaboration between young scientists and broader audiences, with a particular focus on empowering youth. By creating a space where young scientists, youth advocates, and community communicators can share their experiences and perspectives, this session will highlight barriers and opportunities for youth engagement and explore how early-career researchers can play a more active role in connecting scientific knowledge with societal needs.

This session is an interactive panel discussion with audience participation.

Student Event: Toxic Tales

17:00–19:00 | Room 1.3

Join this interactive and engaging session organised by the SETAC Europe Student Advisory Council, and enjoy some drinks and snacks while reflecting on stereotypes, belonging and career paths in science.

Please note that room capacity may be limited, so be sure to arrive on time.

Beyond the Stereotype: Finding Your Place in Science

Noor Abdulhussain & Mimi den Uyl, *Sisters in Science*

What does a scientist look like? And perhaps more importantly: who feels like they belong in science?

Despite growing attention to diversity and inclusion, many early-career researchers still struggle with questions of belonging, identity and expectations around what a "successful" scientific career should look like. Stereotypes about who fits in science can subtly shape how researchers see themselves, how they navigate academic culture, and whether they feel there is space for them in the field.

In this session, participants will explore how stereotypes operate within scientific environments and how they can influence career experiences. Through short interactive elements, the session invites attendees to reflect on common assumptions about scientists and the different ways people engage with science and academia.

The session is led by Sisters in Science. Noor Abdulhussain, Lotte Schreuders and Mimi den Uyl started this initiative in 2021 to challenge stereotypes in chemistry and science, and to make the academic world more accessible to everyone.

Designed for early-career scientists, the session also opens space to think about mentorship, role models and alternative career paths. Participants will leave with new perspectives on belonging in science and on shaping a scientific career that aligns with their own values and identity.

Monday Platform Presentations Morning 1

	09:35	09:50	10:05
0.4	**Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations** | David Boyle, Erin Smith, Severine Le Faucheur		
	3.12.A.T-01 Source Contributions to Copper in the Danube River: Integrating Emission Apportionment with Fate Modelling | **Kevin Rader**, Mutch Associates LLC, USA	**3.12.A.T-02** Accumulation, subcellular distribution and toxicity of indium in the green algae Chlamydomonas reinhardtii | **Ophélie Fontaine**, University of Pau and the Adour Region, France	**3.12.A.T-03** Bioaccumulation of radium-226 in the freshwater snail Lymnaea stagnalis: water quality effects and internal distribution | **Anne Crémazy**, Institut National de la Recherche Scientifique, Canada
0.5	**Translating Complexity – The Role Science Communication Plays in Generating Lasting Societal Impact** | ...		
	6.10.T-01 Clear, Concise, and Complete: Finding the Sweet Spot for Detail and Simplification in Science Communication | **Katharina Lang-Hogrefe**, BioNanoNet Forschungsgesellschaft mbH, Austria	**6.10.T-02** Science communication to the general public through younger generations | **Rozarka Jilkova**, Masaryk University, Czech Republic	**6.10.T-03** Interactive Web-based Applications as Effective Data Exploration and Risk Communication Tools | **Christopher McCarthy**, Jacobs, USA
0.10/0.11	**Strategies for PFAS, Organic Micropollutants & Their Persistent Products: Analysis, Assessment & Treatment Across Environmental Media** |		
	3.27.A.T-01 Understanding PFAS Exposure: Wide-scope Suspect Screening Reanalysis of High-resolution Mass Spectrometry Data from Exposomics Studies | **Lapo Renai**, University of Amsterdam (UVA), Netherlands	**3.27.A.T-02** Monitoring of PFAS in Urban and Industrial Wastewater via Sum Parameter and Target Analysis: The Critical Role of Particulate Load | **Philipp Roesch**, German Environment Agency (UBA), Germany	**3.27.A.T-03** Long-Term Study of River Spree With Insights on Pollutions Situation With a Focus on PFAS | **Pia Schünemann**, Federal Institute for Materials Research and Testing (BAM), Germany
0.15	**Advancements in Data-Driven Ecotoxicology: Integrating Data and Innovative Methods** | Marissa B Kosnik, Panagiotis Karamertzanis, Claudia Rivetti		
	1.01.T-01 AIVIVE: Quantitative Comparison of Uncertainty in Hazard Characterization Using Traditional Animal Studies Versus New Approach Methodologies (NAMs) Leveraging AI-Driven Data Extraction | **Ana Fernandez Agudo**, Institute of Health Carlos III (ISCIII), Spain	**1.01.T-02** Bio-QSARs: Enhancing Ecotoxicity Predictions by Exploiting Chemical and Biological Information | **Jochen Zubrod**, Zubrod Environmental Data Science, Germany	**1.01.T-03** Data-Driven Mechanistic Forecasting of Species-Specific Chemical Sensitivity Using Docking-Derived Molecular Features | **Rama Krishnan**, Cardiff University, United Kingdom
Auditorium 1	**Microplastics Research: Beyond Fear-Mongering, Towards Trustworthy Science** | Charles Rolsky, Dusan Materic, James Brown		
	3.18.A.T-01 Addressing Matrix Effects in Micro- and Nanoplastic Quantification Using Pyrolysis-GC-cIMS-HRMS | **Kas Houthuijs**, Vrije Universiteit Amsterdam (VU), Netherlands	**3.18.A.T-02** Best practices for the detection and quantification of micro- and nanoplastics in biological tissues | **Willie Peijnenburg**, University Leiden, Center for Environmental Sciences, Netherlands	**3.18.A.T-03** Identification of Unknowns using Vibrational Spectroscopy – A Case Study of Microparticles in the Environment | **Matthew Wagner**, The Procter & Gamble Company, United States
Auditorium 2	**Towards a Fit-For-Purpose Risk Assessment of Non-Conventional Plant Protection Products** | Bastian H. Polst, Seamus Taylor, Giovanna Meregalli, Zisis Vryzas		
	4.16.T-01 Formulation-Dependent Cellular Bioavailability of dsRNA in Non-Target Organisms: Implications for Environmental Risk Assessment of RNA Interference Based Pesticides | **Hannah-Philine Dey**, German Environment Agency (UBA), Germany	**4.16.T-02** A meta-analysis of peptides used in plant protection: Sources, modes of action, and structure-derived properties of regulatory importance | **Kitzia Molina-Zamudio**, University of Copenhagen, Denmark	**4.16.T-03** A Fit-for-purpose Approach for the Assessment of Active Substance of Low-Concern | **Aude Kienzler**, European Food Safety Authority (EFSA), Italy
Brightlands foyer	**Life Cycle Impact Assessment Modelling and Application** | Roland Hischier, Alexis Laurent, Esther Sanye-Mengual, Olivier Jolliet		
	5.10.A.T-01 GLAM 1.1 - The full midpoint-endpoint Global Life Cycle Impact Assessment Method | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark	**5.10.A.T-02** The Environmental Footprint Life Cycle Impact Assessment method: updates for the EF 4.0 version | **Esther Sanye-Mengual**, European Commission, Joint Research Centre, Directorate D – Sustainable Resources, Italy	**5.10.A.T-03** Bringing Pathogens into Life Cycle Assessment: A Spatially Explicit Framework for Health Impact Assessment | **Vanessa Schenker**, ETH Zurich, Switzerland
2.1	**Advancing the Environmental Risk Assessment and Management of Cosmetics, Sunscreens and Personal Care Products** | ...		
	4.01.A.T-01 Combining SCCS And BPR Product Type 1 Exposure Frameworks To Derive Consumer Based Environmental Risk Assessment For Cosmetic Ingredients | **Zakaria Naddi**, Beiersdorf AG, Germany	**4.01.A.T-02** Commercial Organic UV filters in Sunscreens and their Ability to form Novel Disinfection By-products | **Michael Gonsior**, ICRA, Spain	**4.01.A.T-03** How time and place define the concentration of UV filters off a recreational beach in Florida, USA | **Carys Mitchelmore**, University of Maryland Center for Environmental Science, USA
2.2	**In Vitro Tools and Biosensors for Assessing the Mixture Effects of Contaminants of Emerging Concern in Water** | ...		
	1.12.T-01 The Key Factor Toxicity: Development and Application of a Tool to Characterize the Toxic Pressure of Chemical Pollution in Surface and Drinking Water | **Corine Houtman**, Het Waterlaboratorium; Amsterdam Institute for Life and Environment (A-LIFE), VU University Amsterdam, Netherlands	**1.12.T-02** A Pan-European Bioassay-Based Assessment of Endocrine Activities Across Multiple Environmental Compartments | **Abd El Rahman El Mais**, Institut National de l'Environnement Industriel et des Risques (INERIS), France	**1.12.T-03** Getting a Grip on Pesticide Mixture Toxicity Using Effect-Based Methods | **Harry Boonstra**, Wetterskip Fryslân, Netherlands
2.18/2.19	**Fish Model Species in Human and Environmental Toxicology** | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson		
	1.09.A.T-01 Architecture and validation of a scalable, modular, 3Rs compatible workflow to predict acute and chronic effects of plant protection products in fish | **Tobias Pamminger**, Bayer CropScience AG, Germany	**1.09.A.T-02** Comparative Analysis of Testis and Brain Transcriptomes in Guppies Exposed to Legacy (Perfluorooctanoic Acid) and Emerging (GenX) PFAS | **Rebecca Zgheib**, University of Padova, Italy	**1.09.A.T-03** The Effect of Thyroid Hormone System Disruption on Neurodevelopment in Zebrafish Early Life Stages | **Ellen Vandeputte**, University of Antwerp, Belgium

Monday Platform Presentations Morning 1

	10:20	10:35
0.4	**Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations** | David Boyle, Erin Smith, Severine Le Faucheur	
	3.12.A.T-04 Mercury and Methylmercury Bioaccumulation in Caged Gammarids Across Lotic Systems of the Rhine-Meuse River Basin (France) | **Victor Lachaux**, INRAE - RiverLy, France	**3.12.A.T-05** Evaluating the impacts of nickel on Arctic freshwater biota, from Crustaceans to Fish | **Tamzin Blewett**, University of Alberta, Canada
0.5	| Annika Mangold-Döring, Itumeleng Moroenyane, Lena Benner, Charles Rolsky	
	6.10.T-04 Co-created Zero-pollution Solution Strategies for Micropollutant Management: Approached from a Systems Perspective | **Floris Naus**, National Institute for Public Health and the Environment (RIVM), Netherlands	Poster Spotlights: 6.10.P-Mo420, 6.10.P-Mo423, 6.10.P-Mo424
0.10/0.11	| David Schaffert, Mohammad Sadia, Gabriel Sigmund, Christian Vogel	
	3.27.A.T-04 Mineralization of Per- and Polyfluoroalkyl Substances at a Municipal Solid Waste Incinerator | **Anna Holfelder**, Karlsruhe Institute of Technology, Germany	Poster Spotlights: 3.27.P-Mo235, 3.27.P-Mo236
0.15	**Advancements in Data-Driven Ecotoxicology: Integrating Data and Innovative Methods** | Marissa B Kosnik, Panagiotis Karamertzanis, Claudia Rivetti	
	1.01.T-04 Ruleless Reaction Prediction with Transformers utilising Enzyme Context | **Liam Brydon-Brown**, University of Auckland, enviPath limited, New Zealand	Poster Spotlights: 1.01.P-Mo002, 1.01.P-Mo007, 1.01.P-Mo014
Auditorium 1	**Microplastics Research: Beyond Fear-Mongering, Towards Trustworthy Science** | Charles Rolsky, Dusan Materic, James Brown	
	3.18.A.T-04 Reliable Riverine Microplastics Monitoring: Improvement and Harmonization of Sampling, Analysis and Reporting | **Christian Zafiu**, University of Natural Resources and Life Sciences (BOKU), Austria	**3.18.A.T-05** Index-based Environmental Risk Assessment of Micro- and Nanoplastics: Handbook for Conscious, Accurate, and Standardized Use | **Manuela Piccardo**, University of Trieste, Italy
Auditorium 2	**Towards a Fit-For-Purpose Risk Assessment of Non-Conventional Plant Protection Products** | Bastian H. Polst, Seamus Taylor, Giovanna Meregalli, Zisis Vryzas	
	4.16.T-04 Advancing Ecotoxicological Risk Assessment for Microbial Plant Protection Products: Insights from RATION WP2.2 | **Bruno Guimarães**, Syngenta Crop Protection AG, Portugal	Poster Spotlights: 4.16.P-Mo322, 4.16.P-Mo323, 4.16.P-Mo333
Brightlands foyer	**Life Cycle Impact Assessment Modelling and Application** | Roland Hischier, Alexis Laurent, Esther Sanye-Mengual, Olivier Jolliet	
	5.10.A.T-04 Assessing Global Biodiversity Impacts from Agricultural Intensification (2000–2019) | **Veronika Schlosser**, Technical University of Munich, Germany	Poster Spotlights: 5.10.P-Mo362, 5.10.P-Mo363, 5.10.P-Mo369
2.1	| Alistair Boxall, Elaine Jennings, Harald Streicher, Carys Louise Mitchelmore	
	4.01.A.T-04 Spatial and Seasonal Variations in Concentrations of UV Filters and Preservatives Across Yorkshire's Rivers Revealed by Continuous River Monitoring | **Jun Li**, University of York, United Kingdom	**4.01.A.T-05** Application of Probabilistic Emissions Modelling to Estimate UV Filter Concentrations at a Recreational Beach in Florida | **Margaret Fleming**, Personal Care Products Council (PCPC), United States
2.2	| Tatiana Siniakova, Paul van den Brink, Milo Leon de Baat	
	1.12.T-04 High-Throughput Receptor-Based Bioassay For Non-targeted Screening of Bioactive Contaminants in Water | **Tatiana Siniakova**, Wageningen University and Research (WUR), Netherlands	**1.12.T-05** Combining Sample Fractionation and Pull-Down Assays for Identifying Thyroid Hormone Disruptors in Non-Targeted Screening of Complex WWTP Effluents | **Zuzana Tousova**, Masaryk University, Czech Republic
2.18/2.19	**Fish Model Species in Human and Environmental Toxicology** | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson	
	1.09.A.T-04 High Content Zebrafish Embryo Screening of chemicals and their mixtures | **Emmanuel Ogwu Chukwu**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	Poster Spotlights: 1.09.P-Mo060, 1.09.P-Mo061, 1.09.P-Mo062

Monday Platform Presentations Morning 2

	11:40	11:55	12:10
0.4	**Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations** | David Boyle, Erin Smith, Severine Le Faucheur		
	3.12.B.T-01 Chronic Toxicity of Metal-Organic Mixtures to Daphnia magna: To What Extent Can Concentration Addition and Independent Action Predict Effects? | **Marius Schmitt**, GhEnToxLab, Ghent University, Belgium	**3.12.B.T-02** Beyond default Mixture Allocation Factor settings: increasing the applicability and scientific relevance of mixture risk assessments for metal(loid)s | **Charlotte Nys**, ARCHE Consulting, Belgium	**3.12.B.T-03** A Biological Line of Evidence to Validate the Zinc Environmental Quality Standard in Europe | **Charlotte Linley**, wca environment Ltd., United Kingdom
0.5	**From Outliers to Insights: Transforming Environmental Risk Assessment through Effect Modelling** | Andreas Focks, Devdutt Pratap Kulkarni, Vanessa Roeben		
	4.09.T-01 Movement for landscape models - Is now the time for a universal framework? | **Pernille Thorbek**, BASF, United Kingdom	**4.09.T-02** Margins-of-safety Predictions for the Risk of Measured Pesticide Mixtures from German Streams by Using GUTS Models | **Paula Scharlach**, University of Osnabrueck, Germany	**4.09.T-03** Holistic Evaluation of Aquatic Data for Advancing Species Sensitivity Distribution Models | **Dominic Englert**, Bayer Research & Development Services LLC, Germany
0.10/0.11	**Strategies for PFAS, Organic Micropollutants & Their Persistent Products: Analysis, Assessment & Treatment Across Environmental Media** | ...		
	3.27.B.T-01 Biotransformation of Eight PFAS Classes in Three Fungal Cultures and Sewage Sludge – Impact on Primary Degradation and Transformation Product Formation | **Ann-Cathrin Krause**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.27.B.T-02** Sewage sludge derived carbons as circular sorbents for the removal of persistent and mobile organic compounds | **Sampriti Chaudhuri**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.27.B.T-03** Browsing FAIR Transformation Product Information with FAIR-TPs | **Bashir Mayahi**, University of Luxembourg, Luxembourg
0.15	**Democratization of Big Data: Live Demonstrations of Computational Platforms and Data Resources to Advance Chemical Safety Assessment** | ...		
	1.08.T-01 Navigating Chemical Spaces with COMPASS: Standardized Visualization of Chemical Data Sets | **Kerstin von Borries**, Technical University of Denmark (DTU), Denmark	**1.08.T-02** AMIRA: Animal-free Mechanistic Inference for Risk Assessment | **Richa Malik**, King's College London, United Kingdom	**1.08.T-03** PULSE: A Pilot UVCB (Substances of Unknown and Variable Composition, Complex Reaction Products or Biological Materials) Library for Substance Prioritization | **Julie Krzykwa**, HESI Global, USA
Auditorium 1	**Microplastics Research: Beyond Fear-Mongering, Towards Trustworthy Science** | Charles Rolsky, Dusan Materic, James Brown		
	3.18.B.T-01 Distinguishing the Aqueous behaviour of Water Soluble Polymers from Nano-plastics with Advanced Analytical Techniques | **Kevin Goodall**, Procter & Gamble, Belgium	**3.18.B.T-02** Beyond Size and Shape: Characterising Physicochemical Properties of Microplastic Test Materials Generated by Cryomilling | **Lucy Howarth-Forster**, University of Plymouth, United Kingdom	**3.18.B.T-03** The Plastic in Microplastics | **Heinrich Dahms**, EurAc Research, Italy
Auditorium 2	★**Pull Up a Chair: Connecting Science, Society, and the Next Generation** | Romain Figuière, Anna Shalin, Dylan Asbury, Bianca Stadelmann, Micha Wehrli		
	11:40	**11:55**	
	Introduction to Panellists	Discussion Theme 1: Engaging with science and scientists as professionals outside academia	
Brightlands foyer	**Life Cycle Impact Assessment Modelling and Application** | Roland Hischier, Alexis Laurent, Esther Sanye-Mengual, Olivier Jolliet		
	5.10.B.T-01 Characterizing Chemical Toxicity for Life Cycle Assessment Using Machine Learning Models Based on Environmental Footprint – A textile case study | **Tianran Ding**, Luxembourg Institute of Science and Technology, Luxembourg	**5.10.B.T-02** Effect Factors for Terrestrial Plastic Pollution for Application in Life Cycle Assessment | **Christina Galafton**, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT, Germany	**5.10.B.T-03** Development of LCA Characterization Factors for TRWP Physical Effects and Leachate Ecotoxicity | **Louisa Ospital**, CIRAIG Polytechnique Montreal, Canada
2.1	**Advancing the Environmental Risk Assessment and Management of Cosmetics, Sunscreens and Personal Care Products** | ...		
	4.01.B.T-01 Integrated Approaches to Assess Bioavailability and Bioaccumulation of Water Soluble Polymers | **Maura Hall**, Procter & Gamble, United States	**4.01.B.T-02** Risks of Mixtures of UV Filters to Freshwater Algal and Cyanobacterial Species | **Lalita Chomphen**, University of York, United Kingdom	**4.01.B.T-03** Aquatic Risk of Fragrance Materials: Advancing Prioritization in Aquatic Systems | **Aurelia Lapczynski**, Research Institute for Fragrance Materials, United States
2.2	**Ecological Effects of Chemical Mixtures and Multiple Stressors with Special Emphasis on Space and Time** | Hanh Nguyen, Paul van den Brink, Claire Duchet, Naeem Shahid		
	2.04.A.T-01 Spatio-temporal characterization of pesticide mixtures and associated ecological risks at a landscape scale | **Andreu Rico**, University of Valencia, Spain	**2.04.A.T-02** Toxicity mechanisms and climate govern the global effects of the insecticide imidacloprid on aquatic invertebrates | **Paul van den Brink**, Wageningen University and Research (WUR), Netherlands	**2.04.A.T-03** Seasonality Matters: Opposing Winter and Summer Pathways of Ecological Response to Warming and Pesticides | **Claire Duchet**, Faculty of Science, University of South Bohemia, Czech Republic
2.18/2.19	**Fish Model Species in Human and Environmental Toxicology** | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson		
	1.09.B.T-01 Evaluating Steatosis Induction by Endocrine-Disrupting Chemicals in a Zebrafish Larval Model | **Roeland Jackson**, Utrecht University, Netherlands	**1.09.B.T-02** Multiple Endocrine Activities of Bisphenol Mixtures in Brain and Intestine of Zebrafish Embryos: Implications for Hazard Assessment | **Florian Geffroy**, INERIS, Ecotoxicology of substances and environments (ESMI) unit, France	**1.09.B.T-03** Assessing Molecular Responses to Groundwater-relevant Contaminant Mixtures in Zebrafish Eleutheroembryos: A Transcriptomic Approach for Effect-Directed Analysis | **Lyen Marie Castro**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

Monday Platform Presentations Morning 2

	12:25	12:40
0.4	**Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations** | David Boyle, Erin Smith, Severine Le Faucheur	
	3.12.B.T-04 Trophic Transfer of Lithium in Terrestrial Ecosystems | **Norah Muisa**, School of Life Sciences, The Chinese University of Hong Kong, Hong Kong (Greater China)	**3.12.B.T-05** An approach to incorporate soil lead bioavailability in ecological risk assessment by including diet in a novel avian in vitro gastrointestinal assay | **Mason Thomas Reid**, Ohio State University, United States
0.5	**From Outliers to Insights: Transforming Environmental Risk Assessment through Effect Modelling** | Andreas Focks, Devdutt Pratap Kulkarni, Vanessa Roeben	
	4.09.T-04 A-priori predictions of GUTS parameters? Estimating GUTS parameters with LCx values from public databases for QSAR development | **Florian Schunck**, University of Osnabrueck, Germany	**4.09.T-05** Combining individual-based laboratory, semi-field, and field data with mechanistic models for enhanced certainty in environmental risk assessment | **Vanessa Roeben**, Bayer CropScience AG, Germany
0.10/0.11	| David Schaffert, Mohammad Sadia, Gabriel Sigmund, Christian Vogel	
	3.27.B.T-04 TBD	Poster Spotlights: 3.27.P-Mo237, 3.27.P-Mo238, 3.27.P-Mo239
0.15	| Claudia Rivetti, Niladri Basu, Natalie Burden, Peter Schumann	
	1.08.T-04 enviPath: Transformer-based Biotransformation Pathway Prediction and Open APIs for Regulatory Workflows | **Liam Brydon-Brown**, University of Auckland, enviPath Limited, New Zealand)	**1.08.T-05** Interactive Demos
Auditorium 1	**Microplastics Research: Beyond Fear-Mongering, Towards Trustworthy Science** | Charles Rolsky, Dusan Materic, James Brown	
	3.18.B.T-04 Towards Standardized and Open Data Reporting on Litter Monitoring in Inland and Transitional Waters | **Maria Kazour**, Flanders Marine Institute (VLIZ), Belgium	**3.18.B.T-05** Do Current Microplastic Data From Global Karst Groundwater Show Real Environmental Contamination or Methodological Bias? | **Syeda Maria Zainab**, School of Engineering, University of Surrey, United Kingdom
Auditorium 2	★**Pull Up a Chair: Connecting Science, Society, and the Next Generation** | Romain Figuière, Anna Shalin, Dylan Asbury, Bianca Stadelmann, Micha Wehrli	
	12:10	**12:25** / **12:40** / **12:50**
	Discussion Theme 2: Engaging younger audiences	Discussion Theme 3: Tips for young professionals / Extended Q & A session / Concluding Remarks
Brightlands foyer	**Life Cycle Impact Assessment Modelling and Application** | Roland Hischier, Alexis Laurent, Esther Sanye-Mengual, Olivier Jolliet	
	5.10.B.T-04 Microplastics, Tire Particles, and Cellulosic Fibers in LCA: MarILCA Regionalized Multimedia Characterization Factors | **Nadim Saadi**, CIRAIG Polytechnique Montreal, Canada	Poster Spotlights: 5.10.P-Mo374, 5.10.P-Mo376, 5.10.P-Mo377
2.1	| Alistair Boxall, Elaine Jennings, Harald Streicher, Carys Louise Mitchelmore	
	4.01.B.T-04 Advancing Environmental NGRA: Transferring a 10-Step Read-Across Framework for Cosmetic Ingredients | **Harald Streicher**, Beiersdorf AG, Germany	**4.01.B.T-05** Cosmetics Claims: Need for Enhanced Risk Communication on Cosmetic Ingredients | **Cristiana Gheorghe**, University of Birmingham, United Kingdom
2.2	**Ecological Effects of Chemical Mixtures and Multiple Stressors with Special Emphasis on Space and Time** | Hanh Nguyen, Paul van den Brink, Claire Duchet, Naeem Shahid	
	2.04.A.T-04 Pulsed Antibiotic Inputs into the Environment May Foster the Spread of Antimicrobial Resistance | **Christiane Zarfl**, Eberhard Karls University of Tübingen, Department of Geosciences, Germany	**2.04.A.T-05** Using Formal Causal Analysis to Differentiate among Chemical, Physical, and Biological Stressors Regarding Observed Environmental Harms | **Charlie Menzie**, Exponent Inc., United States
2.18/2.19	**Fish Model Species in Human and Environmental Toxicology** | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson	
	1.09.B.T-04 Zebrafish (Danio rerio) as a New Approach Methodologies (NAM)-model for Thyroid Hormone System (THS) Disruption-mediated Developmental neurotoxicity (DNT) – A case study with Methimazole | **Pernille Ambus Kjær**, SDU, Denmark	Poster Spotlights: 1.09.P-Mo063, 1.09.P-Mo064, 1.09.P-Mo065

Monday Platform Presentations Afternoon

	14:30	14:45	15:00
0.4	**Daphnia- Advances, Problems, & Historic, Novel and Interdisciplinary Approaches** | Katie Reilly, Susana Loureiro, Christoph Schuer, Iseult Lynch		
	1.07.T-01 Bridging the Gap: Using High-Throughput Ecotoxicological Tests to Facilitate Chemical Extrapolations in the Standard Dynamic Energy Budget Theory for Daphnia magna | **Angel Ceballos Ramirez**, University of York, United Kingdom	**1.07.T-02** Molecular Docking On Daphnia Magna Methoprene Tolerant Receptor As A Predictive Approach For Potential Environmental Endocrine Disruptors | **Luna Grimault**, Leesu (ENPC), France	**1.07.T-03** Genome Editing Daphnia as a Tool for Understanding Endocrine Disruption | **Hajime Watanabe**, Osaka University, Japan
0.5	**Extreme Events in Remote Ecosystems: Environmental Chemistry and Ecotoxicological Responses** | Nelson Abrantes, Christiane Zarfl, Paolo Pastorino		
	2.05.T-01 Effects of Hydrological Extreme Events on Organic Micropollutants in a Large River | **Liza-Marie Beckers**, Federal Institute of Hydrology (BfG), Germany	**2.05.T-02** Sublethal Chemical Exposure Decreases Thermal Tolerance and Increases Variability Differentially in Freshwater Fish and Invertebrates | **Helena Bayat**, University Duisburg-Essen (Uni DUE), Germany	**2.05.T-03** Spatial Patterns and Dynamics of Organic Contaminants in Urbanized Rivers Under Drought Conditions | **Lukas Nerlich**, Eberhard Karls University of Tübingen, Germany
0.10/0.11	**PFAS Across the Environment–Human Continuum: From Molecular Mechanisms to Disease-Relevant Outcomes** | Francesco Dondero, Antreas Afantitis, Iseult Lynch		
	1.15.T-01 A One Health Perspective on PFAS Hazard: System-Level Immune and Neural Disruption in Ecological and Human Models | **Francesco Dondero**, University of Eastern Piedmont, Italy	**1.15.T-02** Early-life Hexafluoropropylene Oxide Dimer Acid (HFPO-DA or GenX) Exposure Disturbs Circadian Rhythms via DRP-1-dependent Mitochondrial Dysfunction in Caenorhabditis elegans | **Yu-Hsuan Kuo**, National Taiwan University, Taiwan (Greater China)	**1.15.T-03** Toxicological effects of the emerging PFAS HFPO-DA in mussels exposed to salinity fluctuations: Implications for Future Coastal Ecosystem Health | **Marta Cunha**, CESAM, University of Aveiro, Portugal
0.15	**From Complexity to Clarity: Next-Generation and AI-Driven Approaches for Smarter Assessment and Regulation of Chemical Mixtures** | ...		
	4.07.T-01 Strategies for Chemical Mixtures Assessment in Consumer Products: Integrating Realistic Exposure and Toxicity Mechanisms Using Korean Product Data as a Case Study | **Gaeul Yang**, University of Seoul, Korea, Republic of	**4.07.T-02** BPA-Equivalents: An Effective Tool to Assess Mixture Toxicity and Substitution Scenarios of BPA and its Alternatives | **Vanessa Srebny**, Eberhard Karls University of Tübingen, Germany	**4.07.T-03** Assessment of the Ecotoxicity of 600 000 Mixtures Reveals only Negligible Differences Between Concentration Addition and Independent Action | **Katja Schröder**, RWTH Aachen University, Germany
Auditorium 1	**Plastics in Terrestrial Environments: Connecting Uses, Fate, Exposure, Impacts and Innovations on Soil Health** | Samuel James Cusworth, Caroline De Tender, ...		
	4.13.T-01 Field Relevant Microplastic Concentrations Affect Soil Ecosystem Functioning in Mesocosms | **Sam van Loon**, Vrije Universiteit, Netherlands	**4.13.T-02** Biodegradable Microplastics in a Realistic Soil–Plant–Earthworms Set Up | **Mathilde Henrion**, University of Lleida, Spain	**4.13.T-03** Polymer- and Size-Specific Effects of Microplastics on Soil Respiration and Implications for Phytoremediation | **Lucas Kurzweg**, University of Applied Sciences Dresden (HTW Dresden), Germany
Auditorium 2	**Endocrine Disruption: Scientific and Regulatory Challenges** | Francesca Pellizzato, Lisa Annie Baumann, Samuel K Maynard		
	6.04.T-01 Characterisation of molting disruptors in arthropods using an AOP-informed multi-species screening approach | **Knut Erik Tollefsen**, Norwegian Institute for Water Research, France	**6.04.T-02** RetiNAM: Identification of Biomarkers for the Disruption of the Retinoic Acid Signaling Pathway Using a Zebrafish Embryo Model | **Vanessa Saalmann**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**6.04.T-03** Which Fish? Considering Inter-Species Differences in the Design of a Fish Full-Life Cycle Study with an Estrogen Receptor Degrader | **Michael Lee**, Eli Lilly and Company, United States
Brightlands foyer	**Chemicals, Dyes and Textiles: Advancing Toxicological Assessments and Life Cycle Analysis for a Safe and Sustainable Future** | ...		
	5.03.T-01 Benchmarking Environmental Impacts in the Safe and Sustainable Design of Chemicals | **Elisabetta Abbate**, Radboud University; European Commission, Joint Research Centre, Ispra (VA), Netherlands	**5.03.T-02** Potential of Cyanobacterial Pigments for Sustainable Applications in Textile Dyeing | **Mariana Reimão**, CIIMAR, CIMAR-LA, University of Porto, Portugal	**5.03.T-03** Toxicity of the Anthraquinone Dye Alizarin to Early Life Stage Zebrafish | **Justin Dubiel**, University of Lethbridge, Canada
2.1	**The FAIR Principles in Environmental Toxicology and Chemistry: Enabling Data-Driven Insights** | Stijn Baken, Vikas Kumar		
	7.13.T-01 FAIR and CREED: Partners in Better Risk Assessment? | **Iain Wilson**, wca environment Ltd., United Kingdom	**7.13.T-02** MassBank: An Open and FAIR Mass Spectral Data Resource | **Anjana Elapavalore**, Luxembourg Centre for Systems Biomedicine, University of Luxembourg, Luxembourg	**7.13.T-03** Using collaboration and iterative refinement to create customised, community-agreed FAIR (meta)data supporting systems: Data Management Plans | **Indrani Mahapatra**, University of Birmingham, United Kingdom
2.2	**Ecological Effects of Chemical Mixtures and Multiple Stressors with Special Emphasis on Space and Time** | Hanh Nguyen, Paul van den Brink, Claire Duchet, Naeem Shahid		
	2.04.B.T-01 Applying Comprehensive Ecological Risk Assessment to Urban Tropical Rivers: Departures from Temperate River Paradigms | **Emmanuel Ansah**, University of Ghana, United States	**2.04.B.T-02** Context-dependent Invertebrate Biomarker Responses to Micropollutant Mixtures Across Aquatic Agroecosystems: Insights from Lentic Small Water Bodies | **Gaspard Conseil**, University of Lorraine (UL), France	**2.04.B.T-03** The Ecosystem Function of Microbial Leaf Decomposition in Streams Responds Stronger to Land Use than to Pesticides | **Verena Schreiner**, University Duisburg-Essen (Uni DUE), Germany
2.18/2.19	**Advances in Bioaccumulation Science and Assessment** | Markus Brinkmann, Romanas Cesnaitis, Heike Laue, Johannes Raths		
	3.01.T-01 Development and Evaluation of Data, Models and Tools to Support Bioaccumulation Assessment | **Jon Arnot**, Arnot Research & Consulting (ARC), Canada	**3.01.T-02** Application of EAS-E Suite to Inform In Silico-Based Assessments of Bioaccumulation in Air Breathing Organisms: Case Study with Hydrocarbons in Laboratory Rat | **Leslie Saunders**, Concawe, Belgium	**3.01.T-03** fishFingers: Bioconcentration factor (BCF) and fish species bioaccumulation distribution prediction for chemicals detected by HRMS using recommender system machine learning | **Drew Szabo**, University of York, United Kingdom

Monday Platform Presentations Afternoon

	15:15	15:30
0.4	**Daphnia- Advances, Problems, & Historic, Novel and Interdisciplinary Approaches** | Katie Reilly, Susana Loureiro, Christoph Schuer, Iseult Lynch	
	1.07.T-04 Understanding the Impacts of Exposure to Ten Pesticides and Their Mixtures in Daphnia pulex: a Transcriptomics Approach | **Eduarda Santos**, University of Exeter, United Kingdom	**1.07.T-05** Different pasts, different responses: How Daphnia react to cyanobacteria exposure? | **Ivo Pinto**, ICBAS; CIIMAR; UMIB; FCUP, Portugal
0.5	**Extreme Events in Remote Ecosystems: Environmental Chemistry and Ecotoxicological Responses** | Nelson Abrantes, Christiane Zarfl, Paolo Pastorino	
	2.05.T-04 Presence and Temporal Trends of Polycyclic Aromatic Hydrocarbons in Arctic Char from Remote High Arctic Lakes | **Samuel Garcia Garcia**, University of Valladolid, Spain	Poster Spotlights: 2.05.P-Mo122, 2.05.P-Mo123, 2.05.P-Mo124
0.10/0.11	**PFAS Across the Environment–Human Continuum: From Molecular Mechanisms to Disease-Relevant Outcomes** | Francesco Dondero, Antreas Afantitis, Iseult Lynch	
	1.15.T-04 Protein-Mediated Modulation of PFOA and PFOS Mitochondrial Toxicity in Zebrafish Embryonic Cells (ZF4) | **Timothy Ezeorba**, University of Birmingham, United Kingdom	Poster Spotlights: 1.15.P-Mo101, 1.15.P-Mo102
0.15	| Iris Pit, Lisa van Eck, Menghang Xia, You Song	
	4.07.T-04 Making sense of chemical monitoring data for environmental risk assessment: a stepwise scenario-based approach | **Thomas Backhaus**, RWTH Aachen University, Germany	**4.07.T-05** Combined Toxicity and Mechanistic Insights of Common Heavy Metal Mixtures | **Menghang Xia**, National Center for Advancing Translational Sciences, United States
Auditorium 1	Julia Naima Möller, Denise Mitrano	
	4.13.T-04 Freeze-thaw cycles can accelerate the vertical migration of pesticides and microplastics in soil | **Siqi Wu**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**4.13.T-05** Microplastic Risks in Soils Are Fragmentation Kinetics- and thus Time-Dependent | **Thuy-Dung Nguyen**, Wageningen University and Research (WUR), Netherlands
Auditorium 2	**Endocrine Disruption: Scientific and Regulatory Challenges** | Francesca Pellizzato, Lisa Annie Baumann, Samuel K Maynard	
	6.04.T-04 Assessment of thyroid disruption using an alternative fish model, the three-spined stickleback | **Ioanna Katsiadaki**, Centre for Environment, Fisheries and Aquaculture Science (Cefas), United Kingdom	Poster Spotlights: 6.04.P-Mo394, 6.04.P-Mo395, 6.04.P-Mo407
Brightlands foyer	| Gisela Umbuzeiro, Marisa Freitas, Serenella Sala	
	5.03.T-04 Safe-by-design: Searching for Non-toxic and Non-mutagenic emodin derived dyes | **Natália de Farias**, Universidade Estadual de Campinas, Brazil	**5.03.T-05** In Silico Approaches for the Prediction of Climate Indicators for Life Cycle Impact Assessment | **Arianna Sgariboldi**, University of Insubria, Italy
2.1	**The FAIR Principles in Environmental Toxicology and Chemistry: Enabling Data-Driven Insights** | Stijn Baken, Vikas Kumar	
	7.13.T-04 eData: A tool and format for rapid extraction of exposure data from scientific articles | **Sam Welch**, Norwegian Institute for Water Research, Norway	**7.13.T-05** Applying the FAIR Principles to Personal Exposure and Health Data | **Stijn Baken**, Flemish Institute for Technological Research (VITO), Belgium
2.2	**Ecological Effects of Chemical Mixtures and Multiple Stressors with Special Emphasis on Space and Time** | Hanh Nguyen, Paul van den Brink, Claire Duchet, Naeem Shahid	
	2.04.B.T-04 Beyond Additivity: Interactions Between Environmental Stressors and Pesticides | **Naeem Shahid**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**2.04.B.T-05** Linking aquatic and terrestrial decomposition responses to hydrological extremes and pesticide exposure | **Aida Viza**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany
2.18/2.19	**Advances in Bioaccumulation Science and Assessment** | Markus Brinkmann, Romanas Cesnaitis, Heike Laue, Johannes Raths	
	3.01.T-04 Gammarus fossarum as European freshwater amphipod species for bioconcentration application | **Anthony Mathiron**, BIOMAE-CARSO group, France	**3.01.T-05** Trophic Transfer and Interactions of TiO2 Nanoparticles in a Simplified Aquatic Trophic Chain | **Mário Araújo**, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Portugal

Schedule

Setup	08:30–9:30
Poster Viewing	10:50–11:35
Poster Viewing	12:55–14:25
Poster Social	15:45–18:00
Take Down	by 18:15
Poster Corners	16:00–16:45

Late-Breaking Science Posters

Late-breaking science posters are not included in the printed programme book. For a full list of poster presentations, please visit the online meeting platform.

Poster Corners

Poster Corner 1

Fish Model Species in Human and Environmental Toxicology | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson

1.09.P-Mo036, 1.09.P-Mo037, 1.09.P-Mo038, 1.09.P-Mo039, 1.09.P-Mo040

Poster Corner 2

Navigating the Challenges of Difficult-to-Test Substances in Ecotoxicology and Environmental Fate Assessment | David Saunders, Erin Maloney, Rhiannon Smith

1.14.P-Mo075, 1.14.P-Mo076, 1.14.P-Mo077, 1.14.P-Mo078, 1.14.P-Mo079, 1.14.P-Mo080

Poster Corner 3

Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations | David Boyle, Erin Smith, Severine Le Faucheur

3.12.P-Mo166, 3.12.P-Mo167, 3.12.P-Mo168, 3.12.P-Mo169, 3.12.P-Mo170

Poster Corner 4

Strategies for PFAS, Organic Micropollutants & Their Persistent Products: Analysis, Assessment & Treatment Across Environmental Media | David Schaffert, Mohammad Sadia, Gabriel Sigmund, Christian Vogel

3.27.P-Mo235, 3.27.P-Mo236, 3.27.P-Mo237, 3.27.P-Mo238, 3.27.P-Mo239

Poster Corner 5

Energy Systems in Transition Present New Challenges for LCA Practitioners and Researchers | Tomas Ekvall, Anna Wikström

5.06.P-Mo343, 5.06.P-Mo344, 5.06.P-Mo345, 5.06.P-Mo346, 5.06.P-Mo350, 5.06.P-Mo352

Poster Corner 6

Cap-and-Trade Systems for Hazardous Chemicals: Defining Caps, Allocation Weights, and Implementation Pathways | Daniel Slunge, Thomas Backhaus, Matti Vainio, Marlene Ågerstrand

6.03.P-Mo381, 6.03.P-Mo382, 6.03.P-Mo383, 6.03.P-Mo384, 6.03.P-Mo385, 6.03.P-Mo386

Poster Corner 7

Advancing the Chemical Safety of Plastics: Bridging Science, Policy, and Innovation | Lisa Zimmermann, Laura Monclus, Raoul Wolf

7.03.P-Mo425, 7.03.P-Mo426, 7.03.P-Mo427, 7.03.P-Mo428, 7.03.P-Mo429, 7.03.P-Mo430

Poster Corner 8

Regulatory Implications of Digital (Precision) Agriculture: Environmental Risk Assessment in Time and Space | Rena Isemer, Rafael Muñoz-Carpena, Melissa Reed, Henk Jan Holterman

7.11.P-Mo437, 7.11.P-Mo438, 7.11.P-Mo439, 7.11.P-Mo440, 7.11.P-Mo441, 7.11.P-Mo442

Poster Sessions

Advancements in Data-Driven Ecotoxicology: Integrating Data and Innovative Methods | Marissa B Kosnik, Panagiotis Karamertzanis, Claudia Rivetti

1.01.P-Mo001 CRANE-DB: A Curated Dataset and Variability Analysis for Avian Acute Toxicity. | **Syarifatun Nisa Nurdhy**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

1.01.P-Mo002 Threshold of Toxicological Concern (TTC)- refining ecological TTC using Enhance Database of Fragrance Chemicals. | **Aurelia Lapczynski**, Research Institute for Fragrance Materials, United States

1.01.P-Mo003 Integrating Ecotoxicity Evidence: A Meta-analysis of Pharmaceutical and Personal Care Product Effects on Freshwater Fauna | **Anita Tarandek**, Ruder Boskovic Institute, Croatia

1.01.P-Mo004 Curation of REACH Acute and Chronic Fish Toxicity Data and Assessment of Models Predictive Performance | **Panagiotis Karamertzanis**, European Chemicals Agency (ECHA), Finland

1.01.P-Mo005 Time to Shine: Illuminating How Ecotoxicology Laboratory Lighting Modulates the Circadian Metabolome | **Ryan Lester**, Griffith University, Australia

1.01.P-Mo006 A multi-task neural network approach for predicting toxicokinetics in freshwater crustaceans | **Wei-Yu Chen**, National University of Tainan, Taiwan (Greater China)

1.01.P-Mo007 From Variability to Validation: A Bayesian Approach for Evaluating Alternative Fish Toxicity Tests | **Kristin Connors**, Procter & Gamble, United States

1.01.P-Mo008 Application of Statistical Causal Discovery to Development of Adverse Outcome Pathway | **Kyoshiro Hiki**, University of Tokyo, Japan

1.01.P-Mo009 Comprehensive Transcriptomic Response Index for Decoding Nanomaterial-Induced Pulmonary Responses | **Viacheslav Muratov**, University of Gdańsk, Poland

1.01.P-Mo010 A Review of Quantitative Structure–Activity Relationship Approaches to Predict Avian Acute Toxicity | **Jo Nyffeler**, Helmholtz Center for Environmental Research (UFZ), Germany

1.01.P-Mo011 Decoding ERα-azole derivative interactions to evaluate environmental health risks through computational and experimental models | **Rajesh Kumar Pathak**, University of Rovira i Virgili, Spain

1.01.P-Mo012 Intraspecies Correlation Estimation (ICE) Models for Acute-to-Chronic Toxicity Prediction of Insecticides to Daphnids, Chironomids, and Honeybees | **Lennart Weltje**, BASF, Germany

1.01.P-Mo013 Uncovering Early Transcriptomic Biomarkers of Toxicity in Zebrafish Embryos Exposed to Chemical Mixtures | **Santiago Gómez-Herrera**, Institute for Environmental Assessment and Water Research, IDAEA-CSIC, Spain

1.01.P-Mo014 Fish Reproductive Toxicity Testing: From Historical In Vivo Data to Alternative Cell-Based Predictions | **Vid Modic**, National Institute of Biology, Slovenia

1.01.P-Mo015 Beyond Regulatory Testing: Data-driven Mechanistic Insights into the Effects of the Anti-Diabetic Pharmaceutical Metformin in Fish | **Luigi Margiotta-Casaluci**, King's College London, United Kingdom

1.01.P-Mo016 Derivation of Dynamic Energy Budget Parameters of Heterocypris incongruens Using High-Throughput, Standardized Ecotoxicological Test Conditions | **Angel Ceballos Ramirez**, University of York, United Kingdom

Daphnia- Advances, Problems, & Historic, Novel and Interdisciplinary Approaches | Katie Reilly, Susana Loureiro, Christoph Schuer, Iseult Lynch

1.07.P-Mo017 Assessing Sublethal Effects of Nanomaterial-Enhanced Magnesium Oxychloride Cement (MOC) Composites on Daphnia magna Through Feeding and Biomarker Responses | **Bárbara Diogo**, ICBAS/CIIMAR, Portugal

1.07.P-Mo018 Behavioral Analysis of Freshwater Invertebrates – A Deep-Learning Approach for 3D Movement Analysis | **Frida Pallapies**, Ruhr-University Bochum, Germany

1.07.P-Mo019 Clone-specific responses of Daphnia magna to combined warming and contaminant mixtures | **Natacha Saez**, University of South Bohemia, Czech Republic

1.07.P-Mo020 Effects of the antiparasitic veterinary drug ivermectin on Daphnia magna including transcriptomic fingerprinting | **Lena Kosak**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

1.07.P-Mo021 Growth Measurements as a Phenotypic Endpoint for the Assessment of the Impact of Pollutants on Water Fleas – An Online and AI Assisted Approach | **Flavia Melati Chiappara**, Dublin City University, Ireland

1.07.P-Mo022 Impact of Age and Nutritional Status on Effects in Daphnia Acute Studies | **Katrin Weber**, Eurofins Aquatic Ecotoxicology GmbH, Germany

1.07.P-Mo023 Improving micro-/nanoplastics (MNPs) ecotoxicity assessment: A harmonised ecotoxicity testing approach with Daphnia magna | **Mbuyiselwa Moloi**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

1.07.P-Mo024 Integrated assessment of Daphnia magna condition: applications in culture management and ecotoxicological testing | **Sizenando Abreu**, Univ. Aveiro, Portugal

1.07.P-Mo025 Novel New Approach methodologies in Daphnia magna to monitor nuerological hazardous contaminants: from lab to field, from single to chemical mixtures | **Carlos Barata**, IDAEA-CSIC, Spain

1.07.P-Mo026 Similar Metabolomic Responses of Daphnia magna to Insecticides with Different Modes of Action. | **Marelize Marsay**, North-West University, South Africa

1.07.P-Mo027 Susceptibility of Daphnia magna to immune-stimulating and immune-suppressing effects of pharmaceuticals | **Anja Coors**, ECT Oekotoxikologie GmbH, Germany

1.07.P-Mo028 The impact of tobacco extracted compounds on daphnids | **Emma Rowan**, Dublin City University (DCU), Ireland

1.07.P-Mo029 The short-term Juvenile Hormone Activity Screening Assay (JHASA): intra-laboratory findings and statistical issues. | **Aymeric Bellemain**, Rovaltain Research Staphyt, France

1.07.P-Mo030 To What Extent Can the Fungicide Azoxystrobin Affect the Uptake and Elimination of Copper in Daphnia magna? | **Marius Schmitt**, GhEnToxLab, Ghent University, Belgium

1.07.P-Mo031 Water fleas as "canaries in the coal mine" for the detection of cigarette-derived pollution in the environment | **Izabela Antepowicz**, School of Biotechnology, Dublin City University, Ireland

Democratization of Big Data: Live Demonstrations of Computational Platforms and Data Resources to Advance Chemical Safety Assessment | Claudia Rivetti, Niladri Basu, Natalie Burden, Peter Schumann

1.08.P-Mo032 High-Throughput Screening and Structure-Activity Relationship Analysis of ERα-Targeted Toxicity for Emerging Pollutants | **Yuchao Song**, Eastern Institute for Advanced Study, Eastern Institute of Technology, China (Mainland)

1.08.P-Mo033 The FACT database: A comprehensive collection of fish acute cell toxicity data. | **Christoph Schuer**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.08.P-Mo034 WATCH: A comprehensive WATer CHemistry dataset for German freshwater systems | **Theresa Piana**, Institute for Environmental Sciences, RPTU Kaiserslautern-Landau, Germany

1.08.P-Mo035 Predicting Environmental Persistence with PEPPER | **Jasmin Hafner**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

Fish Model Species in Human and Environmental Toxicology | Jorke Kamstra, Lisa Annie Baumann, Julie Krzykwa, Pippa Kate Curtis-Jackson

1.09.P-Mo036 Dietary Exposure to Bisphenol E Increased Abundance of Nocardia in Zebrafish Gut Microbiome | **Michaela Vykypelova**, Masaryk University, Czech Republic

1.09.P-Mo037 Perfluorooctanesulfonamide-induced epiboly delay is associated with decreased ATP

production within zebrafish embryos | **John Hoang**, University of California, Riverside, United States

1.09.P-Mo038 New approach methodologies for aquatic toxicity testing – Omics enhanced Fish Embryo Test (E-FET) | **Sebastian Eilebrecht**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

1.09.P-Mo039 Identification of Biomarkers for Immunosuppression in PAMP-challenged Zebrafish Embryos using Transcriptome Analyses | **Kirsten Germing**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

1.09.P-Mo040 Integrating Molecular and Behavioral Endpoints to Assess neurotoxicity of BPA Alternative Compounds | **Laia Navarro-Martin**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

1.09.P-Mo041 Toxic Legacies: Ecotoxicity of Phenylarsenical Chemical Warfare Agents and Their Transformation Products in Freshwater and Brackish Model Organisms | **Alischa Helena Becker**, Goethe University Frankfurt, Germany

1.09.P-Mo042 Chronic Fish Toxicity Case Studies toward a Best Practice Guidance Document | **Adriana Wigh**, Henkel AG & Co. KGaA, Germany

1.09.P-Mo043 Advancing Safety Assessment of Redox Flow Battery Electrolytes Using Zebrafish and Aquatic Models: Multi-Endpoint Toxicological Insights | **Arantza Muriana**, BBD BioPhenix SL (Biobide), Spain

1.09.P-Mo044 Analyzing the Metabolic Effects of Nitrobenzene Exposure in Japanese Medaka (Oryzias latipes) with Consideration of Spawning Cycle | **Jaehyeon Park**, Gwangju Institute of Science and Technology (GIST), Korea, Republic of

1.09.P-Mo045 Automatization of the EASZY assay (OECD TG N° 250): A Robust Imaging Platform for the screening of Environmental Endocrine Active Substances | **Noémie de Crozé**, L'Oréal, France

1.09.P-Mo046 Long-term toxicity to fish : building a weight of evidence approach | **Yannick Bayona**, L'Oréal, France

1.09.P-Mo047 Developmental Toxicity and Transcriptional Changes in Zebrafish Embryos following Exposure to PM2.5 Extracts | **Su-Bok Joung**, Seoul National University, Korea, Republic of

1.09.P-Mo048 Modelling Chronic Toxicity to Fish Considering Data Uncertainty | **Chanita Kuseva**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

1.09.P-Mo049 Challenges in Applying OECD 210 Validity Criteria: Refinement Opportunities | **Marlly Guarin**, Shell Global Solutions International BV, Netherlands

1.09.P-Mo050 The SEASON Project: How Will Climate Change Affect the Risk Associated With Sediments Contaminated With Organic and Inorganic Pollutants? | **Marina Ricarte**, Man-Technology-Environment Research Center, Sweden

1.09.P-Mo051 Characterization of Thyroid Transmembrane Transporters in the Brain: Advancing the Utility of Zebrafish Embryos for Thyroid Hormone System Disruption Studies | **Nora Karlsson**, Vrije Universiteit Amsterdam (VU), Sweden

1.09.P-Mo052 Rethinking Chronic Fish Toxicity Testing: Case Studies Toward an Integrated Approach to Testing and Assessment | **Heike Laue**, Givaudan International SA, Switzerland

1.09.P-Mo053 Distinct ecological risks associated to geogenic and smelting metal contamination. | **Marisa Fernandes**, Federal University of São Carlos (UFSCar), Brazil

1.09.P-Mo054 Integrating New Approach Methodologies to Inform Chronic Fish Hazard: A HESI Case-Study | **Julie Krzykwa**, HESI Global, USA

1.09.P-Mo055 Assessment of (Neuro)developmental Effect Signatures of Organophosphate and Neonicotinoid Pesticides Using Zebrafish High-Content Morphology and Behavior Analysis | **Prosper Opute**, University of Benin, Nigeria

1.09.P-Mo056 Development of a Zebrafish Metabolome Atlas from Different Transgenic Lines with a Focus on Steroid Hormones and Lipids to Unravel the Effects of Endocrine Disruptors | **Emilie Daut**, Vrije Universiteit Amsterdam (VU), Netherlands

1.09.P-Mo057 Defining the EATS Effectome: A Review of Biomarkers Triggered by EATS Model Chemicals | **Marta Ferreira da Silva**, Southern University of Denmark, Denmark

1.09.P-Mo058 Refinement of Fish Embryo Toxicity Test To Assess Ecotoxicological Effects of Nanoparticles | **Alessandra Lama**, Research Centre POLARIS, University of Milano-Bicocca, Italy

1.09.P-Mo059 Zebrafish to observe vascular responses associated with preeclampsia risk | **Inhye Lee**, Seoul National University, Korea, Republic of

1.09.P-Mo060 Towards Non-Lethal Ecotoxicology: Validation of a Non-invasive Biomarker Approach for Assessment of Benzo[a]pyrene Exposure in Salmo trutta | **Coline Louvet**, INRAE Lyon-Grenoble Auvergne Rhône-Alpes, Riverly unit, ECOTOX team, France

1.09.P-Mo061 Reproductive toxicity of tributyl phosphate (TBP) and its underlying mechanisms in zebrafish and fathead minnows | **Ba Reum Kwon**, Baylor University, United States

1.09.P-Mo062 A Mechanistic approach to regulatory compliant Quantitative Structure-Activity Relationship modelling for chronic fish | **Paul Thomas**, KREATiS SAS, France

1.09.P-Mo063 Assessment of Macrophage Counts in Tg(mpeg1) Zebrafish Following PFAS Exposure | **Sarah Elise Smebakk Nilsen**, Norwegian University of Life Sciences, Norway

1.09.P-Mo064 Use of RTL W1 Liver Cell Line in a Testing Platform to Monitor Biotransformation/Degradation and for Mode of Action Studies for Nanomaterials; A Case study using Boron nitride (BN) | **Mona Connolly**, INIA CSIC, Spain

1.09.P-Mo065 Rainbow Trout Alevin (RTA) Assay: Comparisons of transcriptomic points of departure with fish chronic toxicity data | **Niladri Basu**, McGill University, Canada

In Vitro Tools and Biosensors for Assessing the Mixture Effects of Contaminants of Emerging Concern in Water | Tatiana Siniakova, Paul van den Brink, Milo Leon de Baat

1.12.P-Mo066 Monitoring Endocrine Activities of Surface Waters Using Transgenic Zebrafish-Based Bioassays | **François Brion**, INERIS, France

1.12.P-Mo067 Benchmarking Historical Data of Estrogenic Activity of Waters From Rio de Janeiro State Against Effect-based Trigger Values | **Daniele Bila**, Universidade do Estado do Rio de Janeiro, Brazil

1.12.P-Mo068 The Amphipod Ecdysone Receptor (EcR): New in vitro Approach for the assessment of arthropod endocrine disrupting chemicals and water biomonitoring | **João Sousa**, CIIMAR, INRAE, Portugal

1.12.P-Mo069 A bioanalytical and chemical approach for wastewater discharge: beyond detected chemicals for water quality assessment | **Minna Saaristo**, Environment Protection Authority Victoria, Australia

1.12.P-Mo070 In Vitro Assessment of Chlorine and Monochloramine Reactivity During Gastrointestinal Digestion | **Eliette Tavernier**, Univ. Lille, CNRS, UMR 8516 - LASIRE, Laboratoire de Spectroscopie pour les Interactions, la Réactivité et l'Environnement; Univ. Lille, Inserm, CHU Lille, U1286 - INFINITE - Institute for Translational Research in Inflammation, France

1.12.P-Mo071 Thyroid hormone-Disrupting Potential of Wastewater Treatment Plant Effluents Across Europe: Insights from an In Vitro Bioassay Battery | **Zuzana Tousova**, Masaryk University, Czech Republic

1.12.P-Mo072 Assessing the Impact of Quaternary treatment at a Municipal Wastewater Treatment Plant on Surface Water Quality through a Multi-Level Evidence Approach. | **Birte Raes**, Aquafin, Belgium

1.12.P-Mo073 From gene to behaviour: combined exposure of Mg-Al layered double hydroxide and Epirubicin on Danio rerio larvae | **Diana Carneiro**, University of Aveiro, Portugal

1.12.P-Mo074 Embedding Effect-Based Methods in Regulatory Water Quality Assessment: Dutch Practice and European perspective | **Corine Houtman**, Het Waterlaboratorium; Amsterdam Institute for Life and Environment (A-LIFE), VU University Amsterdam, Netherlands

Navigating the Challenges of Difficult-to-Test Substances in Ecotoxicology and Environmental Fate Assessment | David Saunders, Erin Maloney, Rhiannon Smith

1.14.P-Mo075 How to Perform REACh Studies in a Smart Way? A Case Study with Industrial Chemicals on Aquatic Systems Highlighting Challenges and Solutions | **Katrin Weber**, Eurofins Scientific, Germany

1.14.P-Mo076 Tackling pH-dependent Toxicity of Ionisable Organic Chemicals in Aquatic Risk Assessment | **Florian Zindler**, Exponent International, Germany

1.14.P-Mo077 Are fatty alcohols 'difficult test substances'? Exploring the downsides of rapid biodegradability in combination with poor water solubility. | **Erin Maloney**, Shell Global Solutions International B.V., Netherlands

1.14.P-Mo078 Beyond Dissolved Fractions: Rethinking Toxicity Assessment of Cationic Surfactants in Algal Test Systems | **Jens Bietz**, Clariant Produkte (Deutschland) GmbH, Germany

1.14.P-Mo079 Dosing of very hydrophobic chemicals in high-throughput microtiter plate-based in vitro bioassays | **Eunhye Bae**, UFZ-Helmholtz Centre for Environmental Research, Germany

1.14.P-Mo080 Addressing chronic aquatic toxicity test requirements for difficult to test surfactants | **Rhiannon Smith**, wca environment Ltd., United Kingdom

1.14.P-Mo081 Beyond Standard Protocols: Chronic Fish Toxicity Assessment of UVCBs | **Katharina Mayer**, Yordas Group, Germany

1.14.P-Mo082 Adapting the Fish Embryo Toxicity Test to Overcome Limitations in Aquatic Testing of Anticoagulant Rodenticides | **Martina Fenske**, German Federal Institute of Hydrology (BfG), Germany

1.14.P-Mo083 The AFSA DIM Testing Project: When Animal Testing is Difficult, Impossible and Meaningless (DIM) and Implications for the REACH Regulation | **Paul Thomas**, KREATiS SAS, France

1.14.P-Mo084 Challenges Associated with Testing Calcium Fatty Acid Grease Thickeners for EU REACH | **Lucy Kennelly**, wca environment Ltd., United Kingdom

1.14.P-Mo085 Difficulties with aquatic ecotoxicity testing of substances with constituents present in standard media: A case study with lithium fatty acid salts | **Rhiannon Smith**, wca environment Ltd., United Kingdom

1.14.P-Mo086 Method Development Procedures for the Analysis of Complex Industrial Chemicals and UVCBs in Support of Ecotoxicology Studies | **Stephen Brewin**, Labcorp, United Kingdom

1.14.P-Mo087 Enhancing ERAs for High LogP Substances: Partitioning to Air (KO/A), Cell membrane (KM/W), and Bovine serum albumin (KBSA/W) | **Danny Wensley**, Smithers, United Kingdom

1.14.P-Mo088 Navigating In Vitro Testing Challenges for Complex Hydrocarbon Substances: Improving Dosing and Exposure Characterization | **Daniela Holland**, ExxonMobil Petroleum and Chemical, Belgium

1.14.P-Mo089 Development of a non-radiolabelled mixture approach to obtain wastewater primary biodegradation half-lives for hydrocarbons according to the OECD 314B protocol | **Yves Verhaegen**, European Fuel Manufacturers Association Division Concawe, Belgium

1.14.P-Mo090 Passive Dosing for Identifying Microbial Degradation Products in Heating Oils | **Jonas Daniel**, RWTH Aachen University, Germany

1.14.P-Mo091 Examining biodegradation of a UVCB using distilled fractions | **Paul Koster van Groos**, ExxonMobil, United States

1.14.P-Mo092 The Practicality of Adjusting pH to Comply with Pharmaceutical Testing Requirements | **Tracey Goodband**, Smithers, United Kingdom

1.14.P-Mo093 Dietary exposure in ecotoxicological studies with fish - a different route for difficult substances | **Matthias Teigeler**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

1.14.P-Mo094 Assessing Repellent Effects in Bee Toxicity Studies | **Sylviane Gony**, Eurofins Agrosciences Regulatory Services, France

PFAS Across the Environment–Human Continuum: From Molecular Mechanisms to Disease-Relevant Outcomes | Francesco Dondero, Antreas Afantitis, Iseult Lynch

1.15.P-Mo095 Ecotoxicological Effects of Long-Chain PFAS in Mytilus galloprovincialis: Evidence Across Multiple Biological Levels | **Marta Cunha**, CESAM, University of Aveiro, Portugal

1.15.P-Mo096 Effect of Equimolar PFAS Mixtures on Eisenia fetida Immune System | **Davide Gualandris**, University of Eastern Piedmont, Italy

1.15.P-Mo097 Immunohistochemical Mapping of Neurotransmitter Systems in Eisenia fetida Exposed to PFAS | **Francesco Dondero**, University of Eastern Piedmont, Italy

1.15.P-Mo098 Exploring Native Fungal Communities for PFAS Tolerance in Contaminated Soils | **Francesco Dondero**, University of Eastern Piedmont, Italy

1.15.P-Mo099 Neurofunctional and Transcriptomic Responses to the Hexafluoropropylene Oxide Analogues HFPO-DA and HFPO-TeA | **Davide Rotondo**, University of Eastern Piedmont, Italy

1.15.P-Mo101 In Vitro Structure–Activity Relationships and Relative Potency Factors of PFAS: Integrating Hepato- and Immunotoxicity Endpoints for Improved Risk Assessment | **Misha Vrolijk**, Faculty of Health, Medicine and Life Sciences, Maastricht University, Maastricht, Netherlands

1.15.P-Mo102 Enhancing Access to Human Biomonitoring Data in Europe: The Development and Utility of the European HBM Dashboard | **Liese Gilles**, VITO, Belgium

1.15.P-Mo103 Extracellular Vesicles as Novel Indicators of PFAS-Induced Molecular Responses in Zebrafish Embryos | **Csilla Pelyhe**, RECETOX, Faculty of Science, Masaryk University, Czech Republic

1.15.P-Mo104 Placental ASCL2 Epimutations Link Prenatal Perfluorooctanoic Acid Exposure to Gestational Diabetes Mellitus | **Sojin Park**, Graduate School of Public Health, Seoul National University, Korea, Republic of

1.15.P-Mo105 Resolving The Unknown Toxicity of Novel Per- And Polyfluoroalkyl Substances (PFAS): ADONA, Gen-X and PFOSA | **Belen Gonzalez-Gaya**, University of the Basque Country, Research Centre for Experimental Marine Biology and Biotechnology, Ikerbasque Found, Spain

1.15.P-Mo106 Sniffing out PFOS: Mass spectrometry imaging for tissue-specific effects of contaminants | **Rikke Poulsen**, University of Copenhagen, Denmark

Ecological Effects of Chemical Mixtures and Multiple Stressors with Special Emphasis on Space and Time | Hanh Nguyen, Paul van den Brink, Claire Duchet, Naeem Shahid

2.04.P-Mo107 Aquatic invertebrates under pressure: The interplay of temperature and receptor binding in bioaccumulation | **Johannes Raths**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

2.04.P-Mo108 Bugs on drugs: Short-term Exposure of Fluoxetine and Clobazam impacts the Activity and Foraging Behaviour of the Northern Damselfly under different Temperature Scenarios | **Nicole Goede**, KU Leuven; University of Namur (UNamur), Belgium

2.04.P-Mo109 Multistress in Chironomus riparius: Response of Endocrine-Related Genes to Chemical Mixtures and Temperatures | **Jose-Luis Martinez-Guitarte**, National University of Distance Education (UNED), Spain

2.04.P-Mo110 Multi-generational Sub-lethal Effects of Fungicide Tebuconazole Under Climate Change Scenarios in Daphnia magna | **Marina Lochanin**, University Duisburg-Essen, Ruhr District Institute of Hygiene, Germany

2.04.P-Mo111 Seasonal Context Modulates Multiple-Stressor Effects on Aquatic Microbial Function | **Aqeela Muheen**, Institute for Environmental Sciences, RPTU University of Kaiserslautern-Landau, Germany

2.04.P-Mo112 Distance-decay Patterns of Riverine Microbial Communities and Their Biodegradation Potential | **Joeselle Serrana**, Stockholm University, Sweden

2.04.P-Mo113 Spatiotemporal Factors Relevant in the Population Dynamics of Snail Host in Relationship to Schistosomiasis Transmission | **Akbar Ganatra**, Wageningen University and Research (WUR), Netherlands

2.04.P-Mo114 Balancing Risk and Vermiremediation: Temperature Effects on Heavy Metal Removal by Eisenia fetida in Sewage Sludge-Amended Soils | **Inesa Kniuipytė**, Laboratory of Heat Equipment Research and Testing, Lithuanian Energy Institute, Lithuania

P-Mo | Monday Poster Presentations

2.04.P-Mo115 Mixture Effects of Metal-Organic Pesticides on a Freshwater Ecosystem: A Microcosm Study | **Emma Yenney**, University of Copenhagen, Denmark

2.04.P-Mo116 Developing a Monitoring Framework for UK Protected Waters: Integrating Chemical Surveillance and eDNA to Identify Emerging Risks to Sensitive Species | **Gareth Le Page**, Enviresearch Ltd., United Kingdom

2.04.P-Mo117 Exposure to Chemical Mixture Triggers Oxidative Stress Biomarkers under Environmental Stress | **Imrana Mushtaq**, RWTH Aachen University, Germany

2.04.P-Mo118 Linking life-history shifts and gut microbiome restructuring in Daphnia magna under combined nanoplastic-antibiotic stress | **Maria Wierzbicka**, University of Warsaw, Poland

2.04.P-Mo119 From acute stress to community-level adaptation: eco-evolutionary responses of lake microbiota to nanoplastic–enrofloxacin co-exposure | **Ewa Babkiewicz**, University of Warsaw, Poland

2.04.P-Mo120 Modelling Chemical Mixtures and Disentangling its Effects on River Ecology in a Multiple Stressors Context | **Ariane Moulinec**, University Duisburg-Essen (Uni DUE), Germany

2.04.P-Mo121 Chemical Mixtures in European River Basins: A Probabilistic Risk Model for Integrating Additive and Independent Effects | **Jannicke Moe**, Norwegian Institute for Water Research, Norway

Extreme Events in Remote Ecosystems: Environmental Chemistry and Ecotoxicological Responses | Nelson Abrantes, Christiane Zarfl, Paolo Pastorino

2.05.P-Mo122 High-Frequency Multivariate Multi-Tracer Analysis of Combined Sewer Overflow Contributions in Small Urban Streams: Prioritising Chemical Tracers for Quantitative Source Apportionment | **Manu Dörrich**, Eberhard Karls University of Tübingen, Germany

2.05.P-Mo123 Impacts of a massive flash flood event on organic pollutant risks in a protected Mediterranean wetland (L´Albufera, Valencia, Spain) | **Julian Campo**, Environmental and Food Safety Research Group (SAMA-UV). Desertification Research Centre - CIDE (CSIC, UV, GVA), Spain

2.05.P-Mo124 Local Sources vs Long-Range Transport: Cyclic Volatile Methylsiloxanes in Antarctica and the Arctic | **Maja Nipen**, NILU, Norway

2.05.P-Mo125 Combined Effects of the Bio-pesticide Azadirachtin and Climate Change Warming Scenarios on Freshwater Communities | **Pierina I. Rivas-Comerlati**, Wageningen University and Research (WUR), Netherlands

2.05.P-Mo126 Developmental Hindrance Effects of Five Antifouling Agents on the Sea Urchin Hemicentrotus pulcherrimus | **Hoon Choi**, Korea Institute of Ships & Ocean Engineering, Korea, Republic of

2.05.P-Mo127 Organic Pollutants Mobilization After the 2024 DANA Floods in Valencia (Spain): Implications for Environmental Risk | **Maria Vittoria Barbieri**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

2.05.P-Mo128 Sediment Toxicity in Northern Patagonia: Multiple Biomarker Responses in Gammarus spp. | **Henner Hollert**, Goethe University Frankfurt, Germany

2.05.P-Mo129 Beyond Single Stressors: A Review of Climate Modulation of Chemical Fate and Toxicity In Freshwater Ecosystems. | **Toby Popple**, University of York, United Kingdom

2.05.P-Mo130 Presence and distribution of microplastics in soils from the Arctic and Antarctic Peninsula | **Samuel Garcia Garcia**, University of Valladolid, Spain

2.05.P-Mo131 Exploring the Fate of Tire-wear Particles and De-icing Salts in High Mountain Streams of Spanish Protected Areas | **Paula Redondo-Hasselerharm**, IMDEA Water Institute, Spain

2.05.P-Mo132 Bioconcentration of metals in Gambusia holbrooki exposed to forest fire ash: implications for freshwater ecosystem risk assessment | **Nelson Abrantes**, CESAM, University of Aveiro, Portugal

2.05.P-Mo133 Elevated Mercury Concentrations in Riparian Predators Unaccounted for by Trophic Magnification | **Connor Olson**, Harvard University & CU Boulder, United States

2.05.P-Mo134 Physically Based Pharmacokinetic (PBPK) model for the Arctic fish species Atlantic halibut (Hippoglossus hippoglossus) | **Knut Erik Tollefsen**, Norwegian Institute for Water Research, Norway

2.05.P-Mo135 Analysis of Mercury and Cyanide Concentrations in River Waters of Areas Within the Yanomami Indigenous Territory Affected by Illegal Gold Mining | **Natalino Lucena**, Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis – IBAMA, Brazil

2.05.P-Mo136 Atmospheric deposition and long-rate transport of micro- and nanoplastics | **Antonia Praetorius**, University of Amsterdam (UVA), Netherlands

2.05.P-Mo137 Organofluorine in the Arctic and Northern European Atmosphere – a Current Overview | **William Hartz**, NILU, Norway

2.05.P-Mo138 From the summit to the sea: Tracking biodiversity along interacting stressor gradients in a high-altitude tropical river | **Milo de Baat**, University of Amsterdam (UVA), Netherlands

2.05.P-Mo139 Presence and distribution of legacy polychlorinated biphenyls (PCBs) and emerging Perfluoroalkyl substances (PFAS) in soil, freshwater and seawater from the Antarctic Peninsula | **Samuel Garcia Garcia**, University of Valladolid, Spain

Advances in Bioaccumulation Science and Assessment | Markus Brinkmann, Romanas Cesnaitis, Heike Laue, Johannes Raths

3.01.P-Mo140 Proposal for an Integrated Assessment Strategy for Aquatic and Terrestrial Bioaccumulation | **Caren Rauert**, Umweltbundesamt, Germany

3.01.P-Mo141 Refining the Bioconcentration Testing Trigger: A Weight of Evidence Approach | **Michael Lee**, Eli Lilly and Company, United States

3.01.P-Mo142 Small aquatic invertebrates in bioaccumulation assessment | **Marta Markiewicz**, Dresden University of Technology, Germany

3.01.P-Mo143 Implications of Variable Octanol-Water Partition Coefficient (KOW) Values in Bioaccumulation Assessment | **Monika Nendza**, Computational Toxicology, Analytical Laboratory AL-Luhnstedt, Germany

3.01.P-Mo144 Predictivity of Physicochemical Properties and Quantitative Structure-Activity Relationships (QSARs) in Tiered Bioaccumulation Assessments | **Monika Nendza**, Computational Toxicology, Analytical Laboratory AL-Luhnstedt, Germany

3.01.P-Mo145 Optimization of the Slow-Stirring Method for Measuring 1-Octanol/Water Partition Coefficients of Surfactants and Application to Bioaccumulation Assessment | **Keiko Kondo**, Chemicals Management Center, National Institute of Technology and Evaluation, Japan

3.01.P-Mo146 The Influence of Biological Traits on Bioconcentration of Organic Chemicals in Freshwater Invertebrates | **Katie Plaisted**, University of York, Sweden

3.01.P-Mo147 In Silico Modelling of Bioaccumulation of Per- and Polyfluoroalkyl Substances | **Darina Yordanova**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

3.01.P-Mo148 Practical Challenges, Methodological Insights and Key Takeaways from Conducting a Hyalella azteca Bioconcentration Pilot Study According to the OECD Test Guideline 321 | **Elizabeth Ostermann**, Eurofins Agroscience, United States

3.01.P-Mo149 OECD Ring Trial involving the NanoHYBIT: A Novel Method for Non-Vertebrate Regulatory Bioaccumulation Testing of Nanomaterials | **Sebastian Kuehr**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.01.P-Mo150 Assessing the OECD 321 Hyalella azteca Bioconcentration Test (HYBIT) for Polymer-Based Nanomaterials Using 14C-Labeled Polystyrene Nanoparticles | **Leonard Plochocki**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.01.P-Mo151 The Influence of Metal–Organic Mixtures on Chemical Speciation and Bioaccumulation in a Microcosm Study. | **Apurva Bhatkhande**, University of Antwerp, Belgium

3.01.P-Mo153 Ecological Determinants of Mercury Accumulation in South Atlantic Marine Tetrapods | **Guilherme Lima**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Brazil

3.01.P-Mo154 Use of Fish In Vitro Clearance Assays for Bioaccumulation Assessment | **Romanas Cesnaitis**, European Chemicals Agency (ECHA), Finland

3.01.P-Mo155 Applicability of fish cell lines for the bioaccumulation and toxicity assessment of structurally diverse zwitterionic surfactants | **Marco Franco**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

3.01.P-Mo156 Microcystin Accumulation and Progressive Liver Damage in Fish Under Repeated Exposure Conditions | **Beatriz Brena**, Biochemistry, DEPBIO, University of the Republic, Uruguay

3.01.P-Mo157 Feasibility Assay for OECD 305 Aqueous Exposure Test | **Emma Dodd**, Labcorp, United Kingdom

3.01.P-Mo158 Do polycyclic aromatic hydrocarbons exhibit oral bioaccumulation in aquatic organisms? – Evaluations using fish and shellfish | **Seiichi Uno**, Kagoshima University, Japan

3.01.P-Mo159 Bioaccumulation and Depuration of Lithium in Juvenile Trout (Oncorhynchus mykiss): A Comparative Study of Waterborne and Dietary Exposure Pathways | **Shuting Tang**, IAEA Marine Environment Laboratories, International Atomic Energy Agency, Monaco

3.01.P-Mo160 Species-specific Accumulation and Body Distribution of Organophosphate Esters and Their Metabolites in Marine Mammals along the Korean Coast | **Ji-Hyeon Lee**, College of Engineering, Hanyang University, Korea, Republic of

3.01.P-Mo161 Dioxins in Czech Rivers: Long-Term Monitoring of Fish and Sediments | **Hedvika Roztočilová**, Czech Hydrometeorological Institute, Czech Republic

3.01.P-Mo162 Bioaccumulation, Depletion and Maternal Transfer of Antibiotics in Eisenia andrei | **Patricia Alexandre Evangelista**, University of São Paulo, Brazil

3.01.P-Mo163 Evaluation of a Non-Vertebrate Approach for the Assessment of Terrestrial Bioaccumulation of 14C-labeled Nanoparticles using Porcellio scaber | **Lina Meinerzhagen**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.01.P-Mo164 Pesticide Analysis of Water Sources via Solid Phase Microextraction and Ambient Mass Spectrometry | **Dara Lorianne Pierre**, University of Surrey, United Kingdom

3.01.P-Mo165 Metabolic Alterations in Fish Exposed to Acid Resin Characterized by Metabolomic Analysis and Biochemical Analyses | **Carlos Soares**, Federal University of Santa Catarina, CCB, Florianopolis, Brazil

Fate and Toxicity of Metals: Recent Scientific Advancements and Their Application in Environmental Regulations | David Boyle, Erin Smith, Severine Le Faucheur

3.12.P-Mo166 Chronic Silver Toxicity to Daphnia magna: Development and Validation of a Bioavailability Model | **Nada Bašić**, Ghent University, Belgium

3.12.P-Mo167 The Development and Regulatory Implementation of a Bioavailability Model for Uranium | **Lucy Kennelly**, wca environment Ltd., United Kingdom

3.12.P-Mo168 Modelling the impacts of metals and acidity on benthic invertebrates in English and Welsh freshwaters | **Stephen Lofts**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom

3.12.P-Mo169 Effects of Water Chemistry on Cobalt, Copper, and Zinc Toxicity in Arctic-acclimated Daphnia pulex | **Kayla Lottin**, University of Alberta, Canada

3.12.P-Mo170 Environmental Hazard Assessment of Cadmium in Soil. A Comparison between Toxicity to Soil Organisms and Secondary Poisoning to Wildlife | **Koen Oorts**, ARCHE Consulting, Belgium

3.12.P-Mo172 Different Coat, Different Interaction? Effects of Differently Coated Silver Nanoparticles on Freshwater Cyanobacterium Synechocystis sp. PCC 6803 | **Lucija Sara Kovacic**, University of Geneva (UNIGE), France

3.12.P-Mo173 Exploring Dose-Dependent Effects of Copper Oxide Nanoparticles and Dissolved Copper on Photosynthesis and Growth in Freshwater Microalgae | **Fiona Traber**, Université de Genève, Switzerland

3.12.P-Mo174 Uranium toxicity to algae and water flea in natural freshwaters. Validating Biotic Ligand Model for uranium. | **Lucy Kennelly**, wca environment Ltd., United Kingdom

3.12.P-Mo175 Metal accumulation and Metallothionein responses in the Mediterranean invasive blue crab (Callinectes sapidus) across salinity regimes | **Pilar Gomez-Ramirez**, University of Murcia, Spain

3.12.P-Mo176 One lake, two worlds? – Mercury dynamics in food webs from two basins in human-impacted Lake Vesijärvi, Finland | **Alexander Piro**, University of Helsinki, Finland

3.12.P-Mo177 Challenges in Applying Metal Environmental Quality Standards in Freshwater: Estimation of Natural Background Concentrations in Flanders. | **Karolien Bijnens**, Flemish Institute for Technological Research (VITO), Belgium

3.12.P-Mo178 Zinc in German Freshwaters: Searching for Ecological Signals in Real-World Monitoring Data and Evaluation of a Bioavailability-Based Environmental Quality Standard (EQS) | **Gareth Le Page**, Enviresearch Ltd., United Kingdom

3.12.P-Mo179 Metalloids Monitoring in Offshore Produced Water: Analytical Insights and Environmental Implications | **Neri Bonciani**, Technical University of Denmark (DTU), Denmark

3.12.P-Mo180 Photochemical, Abiotic, and Microbial Pathways of Mercury Reduction in Aquatic Environments | **Yong Cai**, Florida International University, USA

3.12.P-Mo181 Organometallics in Commerce: A Scoping Review of Environmental Fate and Behavior | **Matthis Schäfer**, ETH Zurich, Switzerland

3.12.P-Mo182 Isotope-Tracing of Tin Methylation and Degradation in Marine Sediments | **Ivna Vrana**, Ruder Boskovic Institute, Croatia

3.12.P-Mo183 Stress Responses and Toxicity Associated with Exposure of Acanthamoeba castellanii (Amoebozoa; Acanthamoebidae) to Trace Metals | **Raul M. Hilder Nine**, School of Health and Life Sciences, University of the West of Scotland, United Kingdom

3.12.P-Mo184 Uranium Toxicity to Zebrafish in Reconstituted Freshwater at Different pH and Ionic Composition | **Markus Hecker**, University of Saskatchewan, Canada

3.12.P-Mo185 Ecotoxicity of Environmentally Realistic Metal-Organic Mixtures to the Freshwater Algae Raphidocelis subcapitata | **Maria Laura De Donno**, Ghent University, Belgium

3.12.P-Mo186 Influence of Environmentally Realistic Organic Micropollutant Mixtures on Metal Mixture Toxicity: Toward More Ecologically Relevant Risk Assessment | **Matthieu Gallin**, Ghent University, Belgium

3.12.P-Mo187 Street-Level Contamination: Heavy Metal Pollution and Human Health Implications in South African Urban Soils and Sediments | **Chinemerem Ohoro**, University of South Africa (UNISA), South Africa

3.12.P-Mo188 Research on Source Analysis and Background Value Determination of Heavy Metals in Soil of Lead Zinc Mining Area in Southern Gansu Province | **Yufeng Xie**, Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, China (Mainland)

3.12.P-Mo189 Copper Pollution in the Arctic - An Aggregate Exposure Pathway for Understanding Sources, Sinks, and Bioavailability | **Sam Welch**, Norwegian Institute for Water Research, Norway

Microplastics Research: Beyond Fear-Mongering, Towards Trustworthy Science | Charles Rolsky, Dusan Materic, James Brown

3.18.P-Mo190 Beyond Polystyrene: Precipitation-Based Production of Pristine Micro- and Nanoplastic (MNP) Test Materials | **Oliver Kretschmar**, University of Applied Sciences Dresden (HTW Dresden), Germany

3.18.P-Mo192 Towards fit-for-purpose monitoring of microplastics | **Richard Cross**, UK Centre for Ecology & Hydrology, United Kingdom

3.18.P-Mo194 Assessing Sampling Effort Needed to Detect Microplastic Declines in the Scheldt Estuary

for Policy Support | **Nelle Meyers**, Flanders Marine Institute (VLIZ), Belgium

3.18.P-Mo195 Minimizing Biogenic Interference in Microplastic Quantification: Evaluation of Digestion Protocols and Counterstaining Strategies | **Le Hoang Yen Nguyen**, KU Leuven; University of Antwerp, Belgium

3.18.P-Mo196 Development of a Portable Hollow-Fiber System for Sampling and Quantifying Microplastics Larger Than 1 µm | **Yutaka Kameda**, Chiba Institute of Technology, Japan

3.18.P-Mo197 Validation of a pyrolysis - gas chromatography – mass spectrometry method for the determination of microplastics and its application in an interlab study | **Myrthe van der Kolk**, University of Amsterdam (UvA), Netherlands

3.18.P-Mo198 Adapting Raman microspectroscopy to different analytical aims for detecting microplastics in biological systems | **Alena Vdovchenko**, Imperial College London, United Kingdom

3.18.P-Mo199 Advancing the Analysis of Micro- and Nanoplastics Using Multimodal Sub-Micron Optical-Photothermal Infrared (O-PTIR) and Simultaneous Raman Microscopy with Co-located Fluorescence | **Carolin Borbeck**, Photothermal Spectroscopy Corp., Germany

3.18.P-Mo200 Identification of microplastics using Nile Red microscopy: case studies on wastewater and effluents from treatment plants | **Audrey Joris**, ISSeP, Belgium

3.18.P-Mo201 Development of a High-Resolution Analytical Method for Detecting Biodegradable Microplastics (>20 µm) in Surface Waters and Sediments Using Micro-FTIR Imaging | **Yutaka Kameda**, Chiba Institute of Technology, Japan

3.18.P-Mo202 Biodegradability of Polymers in Aquatic Test Systems: ISO 14852 - Feasibility Study for Different Concentrations of Test Item and Inoculum | **Andrea Brunswik-Titze**, Hydrotox GmbH, Germany

3.18.P-Mo203 Fate of microplastic carbon: UV-radiation enhanced biodegradation of polyethylene and polystyrene traced with ^{13}c isotopes in freshwater and Baltic Sea water | **Noora Risku**, University of Jyväskylä, Finland

3.18.P-Mo204 Effects of Climate zones on plastic film degradation – Artic to Tropic | **Karin Mattsson**, University of Gothenburg, Sweden

3.18.P-Mo205 Environmental Aging and Cellular Interactions of Biodegradable Microplastics from PLA and PBS | **Konstantin Malafeev**, Tampere University, Tampere Institute for Advanced Study, Finland

3.18.P-Mo206 Aged Biobased Microplastics Release Toxic Compounds that Impair Early Algal Development | **Paula Walz**, Friedrich Schiller University Jena, Institute of Technical Chemistry and Environmental Chemistry, Germany

3.18.P-Mo207 Does Environmental Weathering Alter the TED-GC/MS Fingerprints of Microplastics? | **Sevda Eryılmaz Soydan**, Delft University of Technology and KWR Water Research Institute, Netherlands

3.18.P-Mo208 Mapping the European Microplastic Landscape: Regional Emission Signatures, Pathway Effects, and the Mass-Number Discrepancy | **Yichen Sun**, Radboud University, Netherlands

3.18.P-Mo209 Microplastics concentration in outdoor air: detection, quantification, identification | **Carmen Wolf**, IUTA e.V., Germany

3.18.P-Mo210 Global Review of Microplastic Occurrence, Sources, and Methodological Gaps in Mountain Ecosystems | **Magdalena Vanek**, University of Innsbruck, Italy

3.18.P-Mo211 Mitigating Microplastic Loads in Wastewater Treatment Plants Serving Alpine streams | **Magdalena Vanek**, University of Innsbruck, Italy

3.18.P-Mo212 Quantifying Loads and Removal Efficiencies of Elastomeric Particles, Including Tire- and Road-Wear Particles, in Two Municipal Wastewater Treatment Plants in Japan | **Yutaka Kameda**, Chiba Institute of Technology, Japan

3.18.P-Mo213 Binding Properties of Heavy Metals on Tire and Road Wear Particles in the Aquatic Environment | **Angus Rocha Vogel**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.18.P-Mo214 Microplastics Monitoring in the Dutch Rivers - Small Temporal and Spatial Variations in Microplastic Concentrations in Suspended Matter | **Christa van Oversteeg**, Rijkswaterstaat, Netherlands

3.18.P-Mo215 Polymer-Specific Characterization of Microplastics (>20 µm) in Surface Waters of the Klang River, Malaysia, and Their Estimated Flux to the Coastal Ocean | **Emiko Fujita**, Chiba Institute of Technology, Japan

3.18.P-Mo216 Spatiotemporal Patterns in Microplastic Morphology and Color in the Paraíba Do Sul River and Their Ecological Implications | **Daniele Bila**, Universidade do Estado do Rio de Janeiro, Brazil

3.18.P-Mo217 Plastic pollution in urban freshwater systems: characterization in two contrasting lagoons of Buenos Aires, Argentina. | **Giselle Berenstein**, Rheinland-Pfälzische Technische Universität / Universidad Nacional de General Sarmiento/ CONICET, Germany

3.18.P-Mo218 How Do Microplastics Distribute Through Freshwater Ecosystems? The Search for a Bioindicator Species | **Heinrich Dahms**, EurAc Research, Italy

3.18.P-Mo219 Assessment of Polymer-Specific Deposition Dynamics of Microplastics (>20 µm) Using Sediment Traps in a Eutrophic Lake | **Yutaka Kameda**, Chiba Institute of Technology, Japan

3.18.P-Mo220 Polymer-Specific Density Distributions of Microplastic Aggregates Reveal Their Differential Settling Behaviors in Tokyo Bay Seawater | **Yutaka Kameda**, Chiba Institute of Technology, Japan

3.18.P-Mo221 Half-century record of coastal microplastic fluxes (>20 µm) in a sediment core from Nanao Bay, Japan | **Emiko Fujita**, Chiba Institute of Technology, Japan

3.18.P-Mo222 Transformation Patterns of Environmental Plastic Pellets | **Hanne Diels**, ECOSPHERE, University of Antwerp, Belgium

3.18.P-Mo223 Polyolefin-based coated fertilizer fragments (≥20 µm) as microplastics in rivers and a coastal bay in Japan | **Emiko Fujita**, Chiba Institute of Technology, Japan

3.18.P-Mo224 Microplastic Formation from Biodegradable and Conventional Mulching Films: Soil Degradation Study | **Sevil Vafadar Afshar**, Technical University of Denmark (DTU), Denmark

3.18.P-Mo225 Challenges to determine polymers in soil by Py-GC/MS | **Martin Hoppe**, BGR, Germany

3.18.P-Mo226 Down Profile Migration of Microplastics in Agricultural Soils Amended with Composted Municipal Solid Waste: Influence of Soil Type, Application Method and Temporal Dynamics | **Nivetha Sivarajah**, School of Environmental and Rural Science, University of New England, Australia

3.18.P-Mo227 Earthworm-Facilitated Transport of Microplastics in Soil: A Small-Scale Field Lysimeter Study | **Dragana Aščerić**, University of Nis, Serbia

3.18.P-Mo228 Comparative ecotoxicological assessment of microplastics across multiple species from marine and freshwater environments | **Rita Fernandes**, University of Aveiro, Portugal

3.18.P-Mo229 Using bivalves to assess the risks of microplastics and associated pollutants: the case of the Loire River, France | **Evan Bossard**, Université Catholique de l'Ouest, laboratoire BIOSSE, France

3.18.P-Mo230 Toxicity of microplastics as single and mixture stressors to Lumbriculus variegatus in sediment exposures | **Victor Carrasco Navarro**, University of Eastern Finland, Finland

3.18.P-Mo231 Toxicological Effects of Microplastic and Nanoparticles Contaminated Fish Feed on Cyprinus carpio Growth and Oral/Intestinal Microbiome | **Mian Adnan**, China Three Gorges University, China (Mainland)

3.18.P-Mo232 Nondestructive Flowcytometric Method for the Detection and Interaction of Micro and Nano Plastics in Bonemarrow. | **Rinaldo van Meel**, Zuyderland Medical Center; Open Universiteit, Heerlen, Netherlands

3.18.P-Mo233 Health impacts of microplastics and nanoplastics: consensus on research needs | **Jane Muncke**, Food Packaging Forum, Switzerland

3.18.P-Mo234 Microplastic fibers – double trouble in environmental monitoring | **Lina Büngener**, European Commission - Joint Research Centre (JRC), Italy

Strategies for PFAS, Organic Micropollutants & Their Persistent Products: Analysis, Assessment & Treatment Across Environmental Media | David Schaffert, Mohammad Sadia, Gabriel Sigmund, Christian Vogel

3.27.P-Mo235 Destruction of Per- and Polyfluoroalkyl Substances Containing Emerging Aqueous Film-Forming Foam in a Full-Scale Hazardous Waste Incinerator | **Peter Leube**, Federal Institute Materials Research and Testing (BAM), Germany

3.27.P-Mo236 Analysis of per- and polyfluoroalkyl substances (PFAS) in atmospheric deposition | **Ahmad El Masri**, INERIS, France

3.27.P-Mo237 Advanced Ozone and Activated Carbon Operational Strategies for Enhanced Micropollutant Removal from Secondary Wastewater Effluent | **Zoë Mol**, Ghent University, Belgium

3.27.P-Mo238 Comparing Oxidative Treatments of Triazole Fungicides and Their Persistent Transformation Products in Wastewater | **Nikoline Marxen**, Wageningen University and Research (WUR), Netherlands

3.27.P-Mo239 Mitigating the Ecotoxicity of Bentazone and Glyphosate using Combined Vacuum UV and UV-C Treatment of Contaminated Water | **Paolo Taborelli**, Aalborg University, Denmark

3.27.P-Mo240 The Importance of Non-Targeted PFAS Analysis: Identifying Non-Regulated PFAS in UK Freshwater Samples by LC/QTOF | **Christian Hegmanns**, Agilent Technologies, Germany

3.27.P-Mo241 Fast Fluorine Screening Method for Sealing Materials via High Resolution-Continuum Source-Graphite Furnace Molecular Absorption Spectroscopy | **Sebastian Kampf**, Federal Institute for Materials Research and Testing (BAM), Division 1.1 – Inorganic Trace Analysis (ITALab), Germany

3.27.P-Mo242 Metrology to support the analysis of per- and polyfluoroalkyl substances from industrial emissions (MetZeroPol) | **Christian Vogel**, Federal Institute Materials Research and Testing (BAM), Germany

3.27.P-Mo243 Enhancing Per- and Polyfluoroalkyl Substances (PFAS) Pollution Retention by Superabsorbent Polymer (SAP) amended to a Grass Swale Prototype of Green Infrastructure | **Delezia Singh**, University of Koblenz, Germany

3.27.P-Mo244 Quantification of Perfluorocarboxylic Acids in Water Samples via Static Headspace Gas Chromatography Coupled to Mass Spectrometry | **Christian Vogel**, Federal Institute Materials Research and Testing (BAM), Germany

3.27.P-Mo245 Emerging Topics in the Monitoring of Organic Micropollutants in Surface Waters | **Lumír Kule**, Povodí Vltavy, State Enterprise, Prague, Czech Republic

3.27.P-Mo246 Monitoring of Perfluorinated Compounds (PFAS) in Waters of the Vltava River Basin | **Lumír Kule**, Povodí Vltavy, State Enterprise, Czech Republic

3.27.P-Mo247 Development and Application of an Accurate Mass PFAS Library for GC/Q-TOF Analysis in Environmental Samples | **Janina Kornas**, Agilent Technologies, Germany

3.27.P-Mo248 Analyzing Ultra-short To Long Chain PFAS In Water Samples In A Single LC-MSMS Method With Maximized Sensitivity | **Christian Hegmanns**, Agilent Technologies, Germany

3.27.P-Mo249 Ecotoxicogenomic Hazard Assessment of the Sweeteners Saccharin and Cyclamate for Daphnia magna and Investigation of Their Biodegradability | **Jule Bäcker**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.27.P-Mo250 Elucidating Organohalogen Micropollutant Interactions with Clay Minerals: High Adsorption Indicates Relevance for Environmental Fate Processes | **Leonard Böhm**, Technische Universität Braunschweig, Germany

3.27.P-Mo251 From Paper Food Contact Materials to Human Exposure: Characterizing PFAS Contamination, Migration Dynamics, and Health Risks | **Shu Han You**, Institute of Food Safety and Risk Management, National Taiwan Ocean University, Taiwan (Greater China)

3.27.P-Mo252 Method Validation for the Analysis of per- and polyfluoroalkyl substances (PFAS) in Water Samples using Solid Phase Extraction and Liquid Chromatography coupled to Tandem Mass Spectrometry | **Ana Isabel Penetra**, ADP, Portugal

3.27.P-Mo253 Dissolved Organic Matter Accelerates the Aquatic Photochemistry of the Rubber Additive Diphenyl Guanidine (DPG) | **Shira Joudan**, University of Alberta, Canada

3.27.P-Mo254 Ecotoxicological Monitoring of the Photocatalytic Degradation of Micropollutants by Nano Metal-Oxide Based Photocatalysts | **Judit Háhn**, Hungarian University of Agricultural and Life Sciences (MATE), Hungary

3.27.P-Mo255 PFAS in Brazilian Citrus Commodities: Levels, Sulfluramid as a Key Precursor, and Human Health Risk Implications | **Marilia Cristina Oliveira Souza**, University of São Paulo, Brazil, Brazil

3.27.P-Mo256 Children's Exposure to Airborne Chemicals in Danish Schools and Homes | **Paula Guedes**, Aarhus University, Denmark

3.27.P-Mo257 Robust Methodology for Hyperspectral Characterization of PFAS in Plant Matrices Using AI | **Carmen Fernandez Lopez**, University Defense Center, (CUD), Spanish Air Force Academy, MDE-UPCT, Spain

3.27.P-Mo259 PFAS in Elemental Analysis: Towards a Routine Screening Method for Total Fluorine | **Friederike Luenne**, BASF, Germany

3.27.P-Mo260 Assessment of Health Risks from Polycyclic Aromatic Hydrocarbons and Their Halogenated Derivatives in Residential Indoor Environments | **Tetsuya Takikawa**, University of Shizuoka, Japan

3.27.P-Mo261 Towards accurate estimation of extractable (organic) fluorine (EOF) | **Johannes Kikuchi-McIntosh**, Linköping University, Sweden

3.27.P-Mo262 Ecotoxicogenomic Evaluation of the Photodegradation Products of Acesulfame-K | **Alexandra Loll**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME); Goethe University Frankfurt, Germany

3.27.P-Mo263 Leveraging AFFFs to support suspect screening of PFAS in marine biota of low trophic level | **Ninon Serre**, French Institute for Ocean Science (IFREMER), France

3.27.P-Mo264 Nontarget screening workflow for the analysis Per-and-polyfluoroalkyl substances in environmental samples using a benchtop multi-reflecting Time-of-flight mass spectrometer | **Isabel Riba**, Waters Corporation, United Kingdom

3.27.P-Mo265 Concentrations and Profiles of Per- and Polyfluoroalkyl Substances (PFAS) in Dust and Drinking Water from the United Kingdom: Implications for Human Exposure | **Liu Yang**, University of Birmingham, United Kingdom

3.27.P-Mo266 PFAS Measurements in Complex Environmental Samples (Biosolids, Soil, Sediment, Wastewater) with Enhanced Matrix Removal and Automation | **Mike Chang**, Agilent Technologies, United States

3.27.P-Mo267 Investigating the Organofluorine Load in a UK Wastewater Treatment Plant | **Rafael Georgiou**, Lancaster University, United Kingdom

3.27.P-Mo268 PFAS in Air: Regulatory and Standards Landscape, Method Development, and Workflow Guidance | **Aaron Davies**, Markes International Ltd, United Kingdom

3.27.P-Mo269 Hydrodynamic Modelling of Pharmaceuticals and PFAS in a Swedish Lake: Spatio-temporal Variations | **Ekaterina Sokolova**, Uppsala University, Sweden

3.27.P-Mo270 Enhanced performance for FOSA and FOSEs analysis with an ultra-sensitive PFAS-multiclass method in environmental samples. | **Ruth Marfil-Vega**, Shimadzu Scientific Instruments, USA

3.27.P-Mo271 Analysis of Neutral PFAS in Ambient Air Using Thermal Desorption Gas Chromatograph-Mass Spectrometry. | **Ruth Marfil-Vega**, Shimadzu Scientific Instruments, USA

Advancing the Environmental Risk Assessment and Management of Cosmetics, Sunscreens and Personal Care Products | Alistair Boxall, Elaine Jennings, Harald Streicher, Carys Louise Mitchelmore

4.01.P-Mo272 Spatio-Temporal Patterns of UV Filters in the Baltic Sea and Their Distribution at Different Depths | **Harshada Sakpal**, Julius Kühn-Institut (JKI), Institute for Ecological Chemistry, Plant Analysis and

Stored Product Protection, Germany

4.01.P-Mo273 Environmental occurrence of octocrylene in marine and freshwater systems: A critical review | **Todd Gouin**, TG Environmental Research, United Kingdom

4.01.P-Mo274 ChemRadar: Detecting Chemical Hazards on the Horizon | **Renske Hoondert**, KWR Water Research Insititute, Netherlands

4.01.P-Mo275 Filling Data Gaps in Chemical Risk Assessment: Multi-Trophic Evaluation of Cinchonidine and Its Production Byproducts | **Patrícia Silva**, University of Aveiro, Portugal

4.01.P-Mo276 Chemical Contaminant Inhibition of Settlement and Survivorship in Caribbean Corals | **Dorothy-Ellen Renegar**, National Coral Reef Institute, Nova Southeastern University, United States

4.01.P-Mo277 Polyvinyl Alcohol-induced Cytotoxic and Oxidative Responses across Tissues of the Blue Crab Callinectes sapidus | **Alessandra Maganza**, The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy

4.01.P-Mo278 Freshwater Toxicity of Polymer-Surfactant Mixtures Across Trophic Levels | **Isabel Lopes**, University of Aveiro, Portugal

4.01.P-Mo279 Natural complex substances: An experimental & in silico combination approach to evaluate ecotoxicity | **Paul Thomas**, KREATiS SAS, France

4.01.P-Mo280 In Silico Eco/Tox Prediction Using Triad of QSAR model, Toolbox read-across and expert knowledge. Application for skin sensitization | **Hristiana Stoyanova (Ivanova)**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

4.01.P-Mo281 Exposure Driven Environmental Risk Assessment - A Case Study on Fragrance Materials. | **Samantha Crotty**, Research Institute for Fragrance Materials, United States

4.01.P-Mo282 New Training Course on Environmental Safety for Cosmetic Safety Assessors | **Marlies Bergheim**, Henkel AG & Co. KGaA, Germany

From Complexity to Clarity: Next-Generation and AI-Driven Approaches for Smarter Assessment and Regulation of Chemical Mixtures | Iris Pit, Lisa van Eck, Menghang Xia, You Song

4.07.P-Mo283 Alternative Assays for Routine Toxicity Assessment | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

4.07.P-Mo284 Microbial Assays for Risk Assessment to Evaluate Toxicity of Chemicals and Environmental Samples | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

4.07.P-Mo286 Smart Assessment of MASLD-Relevant Endocrine Disruptor Mixtures Using a Definitive Screening Design | **You Song**, Norwegian Institute for Water Research, Norway

4.07.P-Mo287 AI-Aided Meta-Analysis on Global Change Drivers-Triggered Airborne Microplastics-Related Human Pulmonary Toxicity | **Si-Yu Chen**, National Taiwan University, Taiwan (Greater China)

From Outliers to Insights: Transforming Environmental Risk Assessment through Effect Modelling | Andreas Focks, Devdutt Pratap Kulkarni, Vanessa Roeben

4.09.P-Mo288 Mechanistic Refinement of Tier 1 Ecotoxicity: A DEB-TKTD Framework for Robust Algal Toxicity Endpoints to Support EU Regulations. | **Erik Muller**, ibacon GmbH, Germany

4.09.P-Mo289 Evaluation of Potential EDC effects on Fathead Minnow Populations with DEB-IBM models | **Erik Muller**, ibacon GmbH, Germany

4.09.P-Mo290 Mechanistic Modeling of the Antidepressant Bupropion's Impact on Daphnia magna populations: Meeting Future EU Pharmaceutical ERA Requirements | **Erik Muller**, ibacon GmbH, Germany

4.09.P-Mo291 Beyond Single Stressors: Combined Effects of Polyethylene Terephthalate (PET) Microplastics and Food Limitation on Daphnia magna Population Dynamics and Implications for REACH Regulation | **Erik Muller**, ibacon GmbH, Germany

4.09.P-Mo292 Effect of Background Mortality Modelling Strategy on Environmental Risk Assessment of Chemicals Using GUTS Models | **Erik Muller**, ibacon GmbH, Germany

4.09.P-Mo293 SETAC working group on TKTD models for aquatic primary producers – status update | **Udo Hommen**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.09.P-Mo294 From individual to population modelling: A tiered ecological risk assessment of insecticide effects in Chironomus riparius. | **Tido Strauss**, gaiac eco assessment GmbH, Germany

4.09.P-Mo295 The SETAC MAPPED Workshop: Seeking How to Assess Population Relevance of Endocrine Disrupting Effects Using Models | **Thomas Preuss**, Bayer Research & Development Services LLC, Germany

4.09.P-Mo296 Applying the Normal Operating Range Concept to Stochastic Models: A Robust Method for Detecting Population-Level Effects | **Oliver Jakoby**, RIFCON GmbH, Germany

4.09.P-Mo297 Acceptability of Mechanistic Effect Models in the Regulatory Environmental Risk Assessment of Pesticides: Considerations and Conditions from the SETAC MAD working group | **Andreas Focks**, University of Osnabrueck, Germany

4.09.P-Mo298 From Outliers to Solutions: Evaluating Insecticide Efficacy for Whitefly Control in Cotton | **Andre Gergs**, Bayer AG, Germany

4.09.P-Mo299 Quantifying Intraspecies Variability in Sensitivity to Toxic Effects to Improve Chemical Risk Assessment | **Poornima Nagesh**, Radboud Institute for Biological and Environmental Sciences, Radboud University, Netherlands

4.09.P-Mo300 Roles of Allometry, Trophic Guilds, and Phylogeny in Cross-species Sensitivity Extrapolation | **Andrew Beckerman**, University of Sheffield, United Kingdom

4.09.P-Mo301 Population model for chemical and radiological hazards in marine biota: application to Atlantic cod in the Oslofjord | **Jordi Vives i Batlle**, Belgian Nuclear Research Center (SCK CEN), Belgium

4.09.P-Mo302 toxdrc: An R Package to Automate Dose-Response Curve Analysis | **Jack Salole**, McMaster University, Canada

Plastics in Terrestrial Environments: Connecting Uses, Fate, Exposure, Impacts and Innovations on Soil Health | Samuel James Cusworth, Caroline De Tender, Julia Naima Möller, Denise Mitrano

4.13.P-Mo303 Biodegradation of 14C-radiolabelled Natural Polymers in Soil in the Presence of Active Coal | **Michael Hüben**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.13.P-Mo304 The Fate of Composted Compostable Plastics | **Julia Möller**, Wageningen University and Research (WUR), Netherlands

4.13.P-Mo305 The soil legacy of biodegradable and conventional plastic mulching films: impacts on plant performance and soil invertebrate | **Anita Jemec Kokalj**, University of Ljubljana, Slovenia

4.13.P-Mo306 From Soil Contaminant to Drought-Like Stress Inducer: Physiological and Biochemical Responses of Sunflower to Microplastics from Biodegradable Bags | **Teja Pelko**, University of Ljubljana, Slovenia

4.13.P-Mo307 Impacts of Low-Density Polyethylene (LDPE) microplastics (MPs) on soil organism growth and functioning: influence of additive dose | **Adrien Blanchard**, National Research Institute for Agriculture, Food and Environment (INRAE), France

4.13.P-Mo308 Indirect trophic transfer of nanoplastics in soil ecosystems: A three-level exposure model with lettuce, snails, and springtails | **Dokyung Kim**, Konkuk University, Korea, Republic of

4.13.P-Mo309 Terrestrial Ecotoxicity Studies for Microplastic Particles – Influence of particle size, shape, polymer type and UV aging | **Karsten Schlich**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.13.P-Mo310 Assessing the ecotoxicity of polypropylene fragments on earthworm with soil covering and mixing exposure scenarios | **Jin Il Kwak**, Pukyong National University (PKNU), Korea, Republic of

4.13.P-Mo311 (Eco)toxicological effects on humans and on biota from micro/nanoplastics in relation with agrochemical applications - combined exposure of nano-pesticides and plastics | **Evgenia Chaideftou**, Medical University of Vienna, Austria

4.13.P-Mo312 Towards a Holistic Hazard Assessment Framework for Microplastics in Terrestrial Environments | **Simon Gutierrez**, Ricardo-AEA Ltd, Spain

4.13.P-Mo313 UV-Induced Microplastic Formation and Pollutant Release from Cigarette Butts: Insights from Soil Column Migration and TED-GC/MS Analysis | **Siqi Wu**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

4.13.P-Mo314 Azoles and other pesticides/biocides sorbed to plastic could pose a threath | **Marit Almvik**, Norwegian Institute of Bioeconomy Research, Norway

4.13.P-Mo315 Aging of Microplastics in Soils: Effects on Surface Chemistry and Interactions with Organic Contaminants | **Yuval Shahar**, The Hebrew University of Jerusalem, Israel

4.13.P-Mo316 Microplastic contamination in agricultural soils: uFTIR method assessment and European survey of 220 fields. | **Nicolas Beriot**, Wageningen University and Research (WUR), Netherlands

4.13.P-Mo317 Searching for Microplastics in Complex Matrices: Insights from an Interlaboratory Comparison | **Dean Velikov**, University of Vienna, Austria

4.13.P-Mo318 Modelling the Transport of Microplastics Across Reactive Barriers in Aquifer Recharge System: A Case Study in Palamós | **Albert Contreras Llin**, Institute of Environmental Assessment and Water Research (IDAEA), CSIC, Spain

4.13.P-Mo319 Effects of Microplastic Polymer Types on Soil Hydraulic Response and Microplastic Transport During Rainfall Events | **Qi Liu**, Wageningen University and Research (WUR), Netherlands

Towards a Fit-For-Purpose Risk Assessment of Non-Conventional Plant Protection Products | Bastian H. Polst, Seamus Taylor, Giovanna Meregalli, Zisis Vryzas

4.16.P-Mo320 Bio-pesticides: A Risk Assessor's Nightmare or an Opportunity to Re-Wire the Risk Assessment? | **Sofia Mirmigkou**, Benaki Phytopathological Institute (BPI), Greece

4.16.P-Mo321 Science-based data waivers for low-concern pesticides: A Pathways-to-harm Problem-formulation Toolbox | **Zisis Vryzas**, Aristotle University of Thessaloniki (AUTH), Greece

4.16.P-Mo322 Streamlining risk assessments using Decision Trees for biocontrol products | **Rüdiger Hauschild**, IBMA, APIS Applied Insect Science GmbH, Germany

4.16.P-Mo323 Towards a Fit-For-Purpose Risk Assessment of Non-Conventional Plant Protection Products in the TRIBIOME Project | **Javier Alcodori**, ITENE Research Centre, Spain

4.16.P-Mo324 Regulatory Strategies for E-Fate and Ecotox Assessment of Natural Substances in Plant Protection | **Kari Moshenberg**, SynTech Research Group, Germany

4.16.P-Mo325 Using problem formulation for an efficient, fit-for-purpose risk assessment of microbial plant protection products | **Gertie Arts**, Wageningen University and Research (WUR), Netherlands

4.16.P-Mo326 Ecotoxicological Data Gaps in EFSA Reviews of Microbial Plant Protection Products: A Focus on Secondary Metabolites and Infectivity/Pathogenicity | **Bruno Guimarães**, Syngenta, Portugal

4.16.P-Mo327 Improving Aquatic Toxicity Tests with MPCA's – How, When, and at What Levels to Test | **Henry Krueger**, Senior Advisor Eurofins Agrosciences Services (US), United States

4.16.P-Mo328 The Effects of a Microorganism-based Plant Protection Product on Zooplankton Community Composition | **Judith Epping**, Wageningen University and Research (WUR), Netherlands

4.16.P-Mo329 Identification of Common Pain Points in the EU Botanical Biopesticide Approval Process: Causes, Consequences and Potential Solutions | **Judith Epping**, Wageningen University and Research (WUR), Netherlands

4.16.P-Mo330 Study for the Control of Leaf-Cutter Ants, Aiming to Improve Agriculture, Aid Human Health, and Contribute to Ecotoxicology. | **João Fernandes**, Federal University of São Carlos (UFSCar), Brazil

4.16.P-Mo331 RNAi-based pesticides - A novel class of pesticides with a huge potential for sustainability requires a novel approach for environmental risk assessment | **Hannah-Philine Dey**, German Environment Agency (UBA), Germany

4.16.P-Mo332 Considerations for nucleic acid measurements in soil and sediment systems to meet environmental fate testing guidelines | **Hannah Stewart**, Eurofins Agroscience Services US, United States

4.16.P-Mo333 Risk assessment innovation for double-strand RNA (dsRNA) pesticides with Caenorhabditis elegans and Drosophila melanogaster as ecotoxicological model | **Xupeng Yu**, Wageningen University and Research (WUR), Netherlands

Chemicals, Dyes and Textiles: Advancing Toxicological Assessments and Life Cycle Analysis for a Safe and Sustainable Future | Gisela Umbuzeiro, Marisa Freitas, Serenella Sala

5.03.P-Mo334 C.I. Direct Blue 218 induces micronuclei in somatic cells and DNA damage in sperm of a model invertebrate in in vivo experiments | **Gisela Umbuzeiro**, State University of Campinas (UNICAMP), Brazil

5.03.P-Mo335 Integrating Cyanobacterial Pigments into Cellulosic Textiles To Enhance Circularity and Sustainable End-of-Life | **Marisa Freitas**, E2S, Polytechnic of Porto (E2S|P.Porto), Portugal

5.03.P-Mo336 Microbial Decolourisation of Commercial Textile Dyes | **Liliana Almeida**, CIIMAR, CIMAR-LA, University of Porto, Portugal

5.03.P-Mo337 PFAS as the "knot in the yarn" of textile circularity | **Diogo Alexandrino**, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Portugal

5.03.P-Mo338 Hybrid Flow Chemistry Designs Reduce the Environmental Impacts of Pharmaceutical Production | **Kristie Tjokro**, Leiden University, Netherlands

5.03.P-Mo339 Fast-screening tool for early-stage environmental assessment of pharmaceutical synthesis route design | **Yiyi Cao**, Radboud University, Netherlands

5.03.P-Mo340 A Critical Review on Environmental Sustainability Assessment of Decontamination Processes in the Supply of Medical Devices and Pharmaceuticals | **Jens Forré**, Ghent University, Belgium

5.03.P-Mo341 Developing a Freshwater Ecotoxicity Characterization Factors Database for Cosmetic Ingredients: MSS-HC5 and Clustering Approaches | **Laurent Gilbert**, EcoBeautyScore Association, Belgium

5.03.P-Mo342 Differences in the Sensitivity of Freshwater and Marine Organisms in the Acute Toxicity Evaluation of Deep Eutectic Solvents | **Amanda dos Santos**, Universidade Estadual Paulista (UNESP), Brazil

Energy Systems in Transition Present New Challenges for LCA Practitioners and Researchers | Tomas Ekvall, Anna Wikström

5.06.P-Mo343 Environmental Evaluation of Solid-State Battery Manufacturing Using a Cradle-to-Gate LCA Approach | **DEBASHRI PAUL**, Tomas Bata University in Zlin, Czech Republic

5.06.P-Mo344 From Charging to Sustainability: Assessing Use-Phase in Battery Life Cycle Assessment | **Maria Soares**, INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering, Portugal

5.06.P-Mo345 Life Cycle Assessment of Hybrid Energy Storage Systems for Maritime Electrification: Environmental Trade-offs and Benefits | **Maria Leonor Carvalho**, RSE SpA - Research on Energy System, Italy

5.06.P-Mo346 How to Build State-of-the-Art Life Cycle Inventory Models for Renewable Energy Systems | **Nour El Imane Hamda**, IFP Energies nouvelles (IFPEN), France

5.06.P-Mo347 A Life Cycle Assessment of Sustainable Aviation Fuel (SAF) Produced from Indonesian Coconuts | **Yikai Liu**, Waseda University, China (Mainland)

5.06.P-Mo348 Clean Fuel, Dirty Build-Out? Quantifying Infrastructure Erosion of Hydrogen's Climate Benefit in Short-Haul Aviation | **Alex Newman**, University of Sheffield, United Kingdom

5.06.P-Mo349 Assessing the Environmental Impacts of a 10 kWel Coupled System Based on Metal Hydride Storage | **Nicol Jaramillo Rodriguez**, Institute of

Hydrogen Technology, Helmholtz-Zentrum Hereon GmbH. Helmut Schmidt Universität, University of the Federal Armed Forces Hamburg, Institute of Materials Science, Germany

5.06.P-Mo350 Climate-optimal deployment of green hydrogen | **Steef Hanssen**, Radboud University, Netherlands

5.06.P-Mo351 Quantifying Life-Cycle Stage Burden-Shifting Intensity in Global Warming Potential Induced by Post-Combustion Carbon Capture and Storage for Decarbonizing Energy-Intensive Industries | **Yipeng Yao**, University of Mons, Belgium

5.06.P-Mo352 Time-explicit Life Cycle Optimization for Transition Pathways: An Open-Source Python Implementation | **Timo Diepers**, RWTH Aachen University, Germany

5.06.P-Mo353 Digitalising Environmental Transparency for Renewable Energy: Sensitivity and Hotspot Analysis of Blockchain-Enabled Traceability of Solar Photovoltaic Panels Life Cycle | **Maksims Feofilovs**, Riga Technical University, Latvia

5.06.P-Mo354 Circularity Assessment of the Electricity Sector: Development of an LCA-Based Metric | **Maria Anna Cusenza**, Ricerca sul Sistema Energetico RSE SpA, Italy

Life Cycle Impact Assessment Modelling and Application | Roland Hischier, Alexis Laurent, Esther Sanye-Mengual, Olivier Jolliet

5.10.P-Mo355 Performing life cycle impact assessment with the mid- and endpoint method ReCiPe | **Rosalie van Zelm**, Radboud University, Netherlands

5.10.P-Mo356 How a methodology developed to identify volatile ingredients improves the reliability of impact assessment of cosmetic products in life cycle assessment | **Jacques L'Haridon**, L'Oréal, France

5.10.P-Mo357 Evaluating the Social Impacts in the Emerging Second-Life Battery Sector: A Comprehensive Framework | **Rui Couto Alves Dos Reis**, INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering, Portugal

5.10.P-Mo358 Modelling electricity consumption for zero emissions vehicles and fleet LCAs: guidelines from the TranSensus LCA European research project | **Marie Pinochet**, CEA, France

5.10.P-Mo359 Land-Use Biodiversity Characterization Factors for Wetland Agriculture in Europe | **Bonivasius Pradipta Retmana**, Radboud University, Netherlands

5.10.P-Mo360 Modelling organic agriculture in land use impact categories: a proposal for the Environmental Footprint methods | **Esther Sanye-Mengual**, European Commission - Joint Research Centre (JRC), Italy

5.10.P-Mo361 Environmental Impacts of Livestock Systems - Insights from Recent LCA Studies | **Jara Laso**, University of Cantabria, Spain

5.10.P-Mo362 Rethinking water use impact assessment: a novel multimedia fate model covering the full water balance | **Tamara Schmidt**, Autonomous University of Barcelona (UAB), Spain

5.10.P-Mo363 Towards an Impact Assessment of Land Use on Soil Biodiversity | **Adrien Burg**, National Research Institute for Agriculture, Food and Environment (INRAE), France

5.10.P-Mo364 Framework development for characterization factors of marine biodiversity assessment under future climate change. | **Runya Liu**, Waseda University, Japan

5.10.P-Mo365 Integrating Soil Biodiversity Impacts of Open Trenching into Life Cycle Impact Assessment | **Monu George Varghese**, INaB, RWTH Aachen, Germany

5.10.P-Mo366 Assessing Biodiversity with LCA: How far can we go? | **Anne Asselin**, Sayari, France

5.10.P-Mo367 Assessment of the impact of nitrogen deposition on terrestrial ecosystems | **Ayana Matsunaga**, Waseda University, Japan

5.10.P-Mo368 How to Integrate Marine Environmental Impacts of Marine Technologies into Life Cycle Assessment | **Nils Thonemann**, Institute of Environmental Sciences (CML), Leiden University, Netherlands

5.10.P-Mo369 Life Cycle Impact Assessment of dynamic fisheries: Characterization factor temporal series for Peruvian stocks | **Ruben Manrique-Muñante**, Peruvian Life Cycle Assessment Network (PELCAN), Peru

5.10.P-Mo370 Which Area of Protection for Fish? | **Arnaud Helias**, National Research Institute for Agriculture, Food and Environment (INRAE), France

5.10.P-Mo371 Incorporating Black Soldier Fly oil in Aquafeeds: Environmental Implications from a Life Cycle Perspective | **Paula Quinteiro**, University of Aveiro, Portugal

5.10.P-Mo372 An updated characterization model for freshwater consumption impacts on riverine fish species in LCA | **Slim Mtibaa**, National Institute of Advanced Industrial Science and Technology, Japan

5.10.P-Mo373 Do antibiotics have a major impact on aquatic wildlife? A freshwater ecotoxicity impact assessment of antibiotic mixtures including binary interactions | **Jordy Motte**, Ghent University, Belgium

5.10.P-Mo374 New and robust freshwater ecotoxicity characterization factors for pharmaceuticals toward a more complete end-of-life evaluation | **Tolga Ayeri**, Radboud University, Netherlands

5.10.P-Mo375 Integrating Ecotoxicity Testing and Life Cycle Assessment (LCA) for Holistic Evaluation of Advanced Wastewater Treatment | **Rita Ojo**, University of Aveiro, Portugal

5.10.P-Mo376 Exploring Ecotoxicity Impacts of Plastic Additives in Fishing Gear and Implications for LCIA | **Nora Løvdal Gamnes**, NORSUS - Norwegian Institute for Sustainability Research, Norway

5.10.P-Mo377 Integrating The Cocktail Effect In Life Cycle Assessment | **Anouar Mejait**, National Research Institute for Agriculture, Food and Environment (INRAE), France

5.10.P-Mo378 The Updated and Consolidated ProScale-E - Ecotoxicity Potential Scoring Method for Chemical Footprint, LCA and SSbD assessment | **Tomas Rydberg**, Swedish Environmental Research Institute (IVL), Sweden

5.10.P-Mo379 Local-Scale Toxicity Impacts in USEtox: Assessing Variability Across Selected Emission Scenarios | **Alessandro Francini**, University of Modena and Reggio Emilia, Italy

5.10.P-Mo380 Early-Stage Life Cycle Assessment to Support the Ecodesign of Laboratory-Scale Poly(hydroxyalkanoate) Production Strategies | **Floriana Coppola**, University of Bologna, Italy

Cap-and-Trade Systems for Hazardous Chemicals: Defining Caps, Allocation Weights, and Implementation Pathways | Daniel Slunge, Thomas Backhaus, Matti Vainio, Marlene Ågerstrand

6.03.P-Mo381 A Proposal for an EU Cap-and-Trade System for Hazardous Chemicals: Design Options for SVHCs and PFAS | **Matti Vainio**, University of Helsinki, Finland

6.03.P-Mo382 Regulating Hydrofluorocarbons (HFCs) in the EU – A Review of the Quota System | **Sylvie Ludig**, Öko-Institut, Germany

6.03.P-Mo383 A Market for Change: Can Cap and Trade plastics systems support a more sustainable plastics future? | **Hadeel AL-Zawaidah**, Wageningen University and Research (WUR), Netherlands

6.03.P-Mo384 Weighting Approaches for Chemicals to Develop Economic Incentives that Efficiently Reduce Hazardous Emissions | **Anna Lunde Hermansson**, RWTH Aachen University, Germany

6.03.P-Mo385 Using Relative Risk Indicators to Inform Allocation Weights in Chemical Cap-and-Trade Systems | **Thea Sletten**, Economics for the Environment Consultancy (EFTEC), United Kingdom

6.03.P-Mo386 The possible role of financial incentives in the substitution of very hazardous substances | **Elke Van Asbroeck**, Apeiron-Team NV, Belgium

6.03.P-Mo387 Cap-and-Trade Systems for Hazardous Chemicals – What Can We Learn from F-Gas Regulations in the EU and the US? | **Daniel Slunge**, University of Gothenburg, Sweden

Endocrine Disruption: Scientific and Regulatory Challenges | Francesca Pellizzato, Lisa Annie Baumann, Samuel K Maynard

6.04.P-Mo388 A Desk-Based Approach to Determine the New CLP Endocrine Disruption Hazard Classes | **Marianne Matzke**, Blue Frog Scientific SAS, United Kingdom

6.04.P-Mo389 Beyond EATS: How to Handle Non-EATS Data in an Endocrine Disruption Weight of Evidence Assessment | **Chloe Eastabrook**, Enviresearch, United Kingdom

6.04.P-Mo390 Endocrine Disruption Assessments – Where Yesterday's Submissions Meet Today's Expectations | **Eva Eschenbach**, Exponent, Germany

6.04.P-Mo391 Assessment of Endocrine Effects of Construction Products in the Environment | **Elena Perabo**, Hydrotox GmbH, Germany

6.04.P-Mo392 From Literature Search to Regulatory Assessment: Addressing Endocrine Disruption with Non-Standardized Data | **Imke Van Dingenen**, Arcadis, Belgium

6.04.P-Mo393 Weighing the Real Evidence and Avoiding the ED Trap | **Nicola Dennis**, Sagentia Regulatory, United Kingdom

6.04.P-Mo394 Is it time to revisit threshold levels for endocrine disruptors? | **Rebecca Brown**, wca environment Ltd., United Kingdom

6.04.P-Mo395 Assessment gaps and opportunities in regulatory endocrine disruptor testing of fish – a scientific perspective | **Lisa Baumann**, Vrije Universiteit Amsterdam (VU), Netherlands

6.04.P-Mo396 Best Practices on the Conduct of The Fish Sexual Development Test (FSDT) - OECD TG 234 – Part 1 | **Francesca Pellizzato**, European Chemicals Agency (ECHA), Finland

6.04.P-Mo397 Best Practices on the Reporting of the Fish Sexual Development Test (FSDT) – OECD TG 234 - part 2 | **Francesca Pellizzato**, European Chemicals Agency (ECHA), Finland

6.04.P-Mo398 Does age matter?: An Investigation of the Variation in Vitellogenin Production Compared to Fathead Minnow (Pimephales promelas) Age Using Historical Control Data | **Amy Snow**, Smithers, United States

6.04.P-Mo399 Body weight change in Fish Short Term Reproduction Assays | **James Wheeler**, Corteva Agriscience, Netherlands

6.04.P-Mo400 Why not Medaka?: An Overview for the use of Japanese Medaka (Oryzias latipes) as a Model Species for Endocrine Disruption Investigation Using Historical Control Data | **Tracey Goodband**, Smithers, United Kingdom

6.04.P-Mo401 Medaka and Zebrafish Display Contrasting Responses to Chronic Exposure to Ethinyl Estradiol | **Gregory Lemkine**, Laboratoire Watchfrog, France

6.04.P-Mo403 Assessment of Thyroid Hormone System Disrupting Effects of the Insecticides Diflubenzuron and Pyriproxyfen During Early Zebrafish Development | **Rafaella da Silva Brito**, Universidade Federal de São Paulo, Brazil

6.04.P-Mo404 Identification of Histopathological Reference Points in the Brain of Zebrafish Embryos to detect Morphological Changes induced by Endocrine Disruptors | **Nathalie Hendriks**, Vrije Universiteit Amsterdam (VU), Netherlands

6.04.P-Mo405 Endocrine Disruption of Zebrafish Brain and Sensory Organ Development | **Clara Kempkens Palacios**, Vrije Universiteit Amsterdam (VU), Netherlands

6.04.P-Mo406 Brain Morphology Impairment in Zebrafish Embryos as an Endpoint of Thyroid-related Developmental Neurotoxicity | **Elise Pesce**, Vrije Universiteit Amsterdam (VU), France

6.04.P-Mo407 Screening ANSES priority substances for thyroid activity using two Eleuthero-embryonic Bioassays | **David Du Pasquier**, Laboratoire Watchfrog, France

6.04.P-Mo408 Bridging In Vivo and In Vitro Evidence from New Approach Methodologies (NAMs): Comparing XETA and ToxCast Data to Identify Thyroid-Active Substances | **David Du Pasquier**, Laboratoire Watchfrog, France

6.04.P-Mo409 Impact of a Mixture of Organic Pollutants on the Thyroid Axis | **Manon Bonnelle**, CNRS/MNHN, France

6.04.P-Mo410 Optimising the First Phase of OECD Guideline 241: the Larval Amphibian Growth and Development Assay to meet Validity Criteria and Analyse Plasma Thyroid Hormone Levels. | **Severine Larroze**, Scymaris Ltd., United Kingdom

6.04.P-Mo411 When Tadpoles Grow Faster Than Expected, Statistics Get Tricky | **Emily Scorgie**, Syngenta Seeds B.V., Netherlands

6.04.P-Mo412 Thyroid Hormone Disruption by Model Chemicals and Indoor Dust: A Multi-Country Assessment | **Zuzana Tousova**, RECETOX, Masaryk University, Czech Republic

6.04.P-Mo413 Inhibition of the Thyroid Hormone Receptor Alpha (TRα) by Mycotoxins and Their Mixtures | **Maria Luisa Fernandez-Cruz**, National Institute for Agriculture and Food Research and Technology (INIA), CSIC, Spain

6.04.P-Mo414 A Tiered Strategy for the Integration of Complementary Lines of In Silico Toxicological Evidence Permitting Evaluation of Endocrine Disrupting Potential | **James Firman**, Liverpool John Moores University, United Kingdom

6.04.P-Mo415 Quantitative Structure-Activity Relationship Models for Assessing Thyroid Hormone System Disruption: A Review | **Ester Papa**, University of Insubria, Italy

6.04.P-Mo416 A Clustering Approach for Profiling Potential Estrogen Receptor-Mediated Endocrine-Disrupting Chemicals | **Yoce Aprianto**, Paris-Saclay University, France

6.04.P-Mo417 Mixture Effects of Bisphenol A and Analogues on the Regeneration of Freshwater Planarians | **Patrícia Silva**, University of Aveiro, Portugal

6.04.P-Mo418 Effect-Based Methods (EBM) and Effect-Based Trigger (EBT) values for Estrogenicity Monitoring in Surface Water: an Interlaboratory Study | **Livia Gómez**, Piksel S.r.l., Italy

6.04.P-Mo419 Development of a Highly Sensitive Reporter Gene Cell Line for Detecting Estrogenic Activity (the ER Isjaki Assay) | **Aline Colonnello Montero**, Swedish University of Agricultural Sciences, Sweden

Translating Complexity – The Role Science Communication Plays in Generating Lasting Societal Impact | Annika Mangold-Döring, Itumeleng Moroenyane, Lena Benner, Charles Rolsky

6.10.P-Mo420 Implications of Post-Modern, Post-Truth Philosophies and the Dunning-Kruger Effect to Micro-Nano-Plastic Environmental Risk Communication | **Scott Dyer**, LeTourneau University, United States

6.10.P-Mo421 Anatomy of a Decision: The REACH Board of Appeal 2009–2025 | **Kevin Bonnot**, dsm-firmenich, Belgium

6.10.P-Mo422 Daphnia Detectives | **Katie Reilly**, University of Birmingham, United Kingdom

6.10.P-Mo423 From Community Collection to Data-Driven Insights: Mapping Riverine Plastic Litter with Plastic Pirates Belgium | **Nelle Meyers**, Flanders Marine Institute (VLIZ), Belgium

6.10.P-Mo424 Hazards in Risk Communication | **Watze de Wolf**, RegMSC, Finland

Advancing the Chemical Safety of Plastics: Bridging Science, Policy, and Innovation | Lisa Zimmermann, Laura Monclus, Raoul Wolf

7.03.P-Mo425 Enhancing the PlastChem Inventory for Chemical Prioritization in Plastics | **Laura Monclus**, Norwegian Geotechnical Institute (NGI), Norway

7.03.P-Mo426 Mapping the regulatory landscape of plastic additives across their lifecycle | **Olwenn Martin**, Plastic Waste Innovation Hub, UCL Arts and Science, University College London, United Kingdom

7.03.P-Mo427 Prioritizing plastic food contact chemicals and identifying structurally-similar chemicals | **Jane Muncke**, Food Packaging Forum, Switzerland

7.03.P-Mo428 Suspect Screening of Plastic Chemicals in Plastics and Tissues from Arctic Marine Wildlife | **Linyan Zhu**, Aarhus University, Denmark

7.03.P-Mo429 Quantifying Impacts of Packaging Choices in Consumer Baskets: Material Use, Environmental Impacts, and Chemical Releases | **Ricarda Fieber**, ETH Zurich, Switzerland

7.03.P-Mo430 Mapping Additive Flows Using a Functionality-Based Material Flow Analysis Model | **Yiwen Zhang**, Empa - Swiss Federal Laboratories for Materials Science and Technology, Switzerland

7.03.P-Mo431 A Generic Approach for Estimating Environmental Release of Synthetic Polymer Microparticles (SPM) | **Thorsten Wind**, Henkel, Germany

7.03.P-Mo432 Regrettable Substitutions? Comparative Toxicology of Bisphenol Analogues in Marine and Mammalian Reproductive Systems | **Susana Loureiro**, University of Aveiro, Portugal

7.03.P-Mo433 Developing a Risk-Based Grading Framework for Recycled Plastics: Addressing Plastic Additives to Promote Recycling | **Kyoko ONO**, National Institute of Advanced Industrial Science and Technology, Japan

7.03.P-Mo434 Effect of Plastic Recycling on Polymer Characterisation | **Soledad Muniategui-Lorenzo**, Grupo Química Analítica Aplicada (QANAP), IUMA – CITEEC. Universidade da Coruña, Spain

7.03.P-Mo435 Formulating And Recycling Of Conductive Polymer Composites For Sustainable 3D-Printed Printed Circuit Boards (PCB)s | **Theophile Heliot**, Chimie Paris PSL, France

7.03.P-Mo436 Towards a One Health Understanding of Artificial Materials: Research Infrastructure | **Ondrej Adamovsky**, RECETOX, Masaryk University, Czech Republic

Regulatory Implications of Digital (Precision) Agriculture: Environmental Risk Assessment in Time and Space | Rena Isemer, Rafael Muñoz-Carpena, Melissa Reed, Henk Jan Holterman

7.11.P-Mo437 Precision application of pesticides in agriculture: update of the European Precision Application Task Force (EUPAF) for field crops | **Anne Alix**, Corteva Agriscience, United Kingdom

7.11.P-Mo438 Ecotoxicological Implications of Precision Spray Technologies: Challenges and Opportunities | **Alice Tagliati**, Enviresearch Ltd., United Kingdom

7.11.P-Mo439 Recent Developments in Spray Drift Modelling for Precision Applications | **Huifang Deng**, Wageningen University and Research (WUR), Netherlands

7.11.P-Mo440 SPOTMOD: Simulation of run-off exposure from precision application by mechanistic modelling with VFSMOD | **Robin Sur**, Bayer AG, Germany

7.11.P-Mo441 Digital Farming - Opportunity for landscape-specific risk management | **Balthasar Smith**, Federal Office of Consumer Protection and Food Safety (BVL), Germany

7.11.P-Mo442 Field specific risk management for plant protection products: A "digitalized" way forward | **Gunnar Kahl**, knoell Germany GmbH, Germany

7.11.P-Mo443 Innovating Environmental Risk Assessment for Precision Agriculture and Drone Application Technologies: Emerging UK Regulatory Considerations | **Melissa Reed**, Health and Safety Executive (HSE) - Chemical Regulation Division, United Kingdom

7.11.P-Mo444 Precision Pesticide Application and the Risk to Soil Organisms | **Alice Tagliati**, Enviresearch Ltd., United Kingdom

The FAIR Principles in Environmental Toxicology and Chemistry: Enabling Data-Driven Insights | Stijn Baken, Vikas Kumar

7.13.P-Mo445 qData – a web-based FAIRification workflow for (eco)toxicological dose(concentration)-response data | **Knut Erik Tollefsen**, Norwegian Institute for Water Research, Norway

7.13.P-Mo446 Using Collaborative and Iterative Process to create a Community-agreed Semantic Framework unifying Materials Safety and Sustainability | **Indrani Mahapatra**, University of Birmingham, United Kingdom

7.13.P-Mo447 ElQuan: A Stacked Ensemble Learning-Based Predictor for Quantification of Nontarget Chemicals in GC-HRMS Analysis | **Yi Liu**, Peking University, China (Mainland)

7.13.P-Mo448 Exposure Assessment of Consumer Products Using an Integrated Aggregate Exposure Pathway (AEP)-Adverse Outcome Pathway (AOP) Framework: Insights From Korean Market Data | **Ajaya Kumar Sahoo**, School of Environmental Engineering, University of Seoul, Korea, Republic of

7.13.P-Mo449 From Plastic Chemicals to Human Impact: An Architecture for AI Agents to Navigate Relational Databases | **Jane Muncke**, Food Packaging Forum, Switzerland

TUESDAY SCHEDULE		
08:30-09:30	Poster Setup	Exhibition Hall
08:30-18:00	Badge Pick-Up & Registration	Registration Area
08:30-18:15	Speaker Ready Room	1.5
08:30-18:30	Cloakroom	Entrance Level 1
08:45-12:15	Precision Tox Dissemination Seminar	1.1
09:00-10:00	IBERA Breakfast Information Session	2.3
09:00-10:00	ET&C and IEAM Joint Editorial Meeting	MECC Café
09:00-12:00	Job Event	0.1
09:00-16:00	Scymaris Business Meetings	2.6
09:00-18:00	ibacon Business Meetings	1.9
09:30–10:50	**Presentation Sessions**	
10:50–11:35	Coffee & Poster Break	Exhibition Hall
10:50-11:35	Italian Language Branch Gathering	SETAC Square
10:50-11:50	Global Partners Meeting	2.4
11:00-11:30	SETAC Europe 2027 Programme Committee Meeting	2.3
11:35–12:55	**Presentation Sessions**	
12:55–14:25	Lunch & Poster Break	Exhibition Hall
12:55–14:25	Agilent Sponsored Lunch Seminar	MECC Café
12:55–14:25	Labcorp Sponsored Lunch Seminar	1.3
13:00–15:00	Sponsored Lunch Seminar: The New EFSA Birds and Mammals Guidance Document: Ready for Take Off?	1.1
13:25–14:25	Italian Language Branch Meeting	2.3
14:25–15:45	**Presentation Sessions**	
15:45–18:00	**Poster Social Break**	**Exhibition Hall**
15:45-17:00	German Language Branch Gathering	SETAC Square
16:00–16:45	**Poster Corners**	**Expo Foyer**
16:00-17:00	Exposure Modelling Interest Group Meeting	0.2
16:00-17:00	Panel Discussion & Q&A: Science Communication as a Means of Strengthening Democracy?	1.3
16:00-17:00	SETAC PBK Models Working Group Meeting	0.1
16:00-17:30	Bioaccumulation Science Interest Group (BSIG) Meeting	1.1
16:00-17:45	Pharmaceuticals Interest Group Meeting	0.4
16:00-18:00	Plants Interest Group Meeting	2.4
16:15-16:45	Student Advisory Council General Assembly	2.3
17:00–18:00	**Tuesday Plenary: Kei Ohno Woodall**	**Auditorium 1**
17:00–18:00	Omics Interest Group Meeting	2.3
18:00–20:00	Metals Interest Group Meeting	MECC Café
21:00 - ...	SETAC Party (entrance closes at 22:30)	Muziekgieterij Maastricht

Plenary Speaker

17:00–18:00 | Auditorium 1

Two Decades of the Stockholm Convention and Science–Policy Lessons for Effective Global Chemicals Governance

Kei Ohno Woodall, *Senior Programme Management Officer, Secretariat of the Basel, Rotterdam and Stockholm Conventions*

Over the past two decades, the Stockholm Convention has evolved from regulating the original "dirty dozen" persistent organic pollutants (POPs) to addressing nearly 40 chemicals and groups of chemicals with increasingly complex characteristics. This transformation reflects not only advances in science but also a fundamental change in the complexity of the global chemicals landscape. Early POPs were discrete substances with identifiable sources and relatively straightforward regulatory pathways. In contrast, newer POPs are often embedded in products, dispersed across global supply chains, and intertwined with modern production and consumption systems.

This keynote examines the science-policy interface that has underpinned the Convention's success, with particular attention to the role of the Persistent Organic Pollutants Review Committee (POPRC) in translating scientific evidence into global action. It highlights key success drivers, including robust scientific criteria, transparent and inclusive evaluation processes, meaningful stakeholder input, and the flexibility of the Convention to adapt to evolving scientific knowledge and emerging risks. These elements have helped build trust among Parties and enabled effective international decision-making, offering valuable lessons for broader chemicals and waste governance frameworks.

At the same time, the presentation explores emerging challenges, including chemicals in products and recycling streams, data and transparency gaps, and the growing complexity of monitoring and analytical methods. Looking ahead, it reflects opportunities to strengthen global cooperation through new and evolving frameworks, drawing on the Stockholm Convention's experience to inform more adaptive and science-based approaches to global chemicals governance.

About Kei Ohno Woodall

Kei Ohno Woodall is a Senior Programme Management Officer at the Secretariat of the Basel, Rotterdam and Stockholm Conventions, where she coordinates activities related to plastics and industrial chemicals under the BRS Conventions. The Basel, Rotterdam and Stockholm Conventions are global multilateral environmental agreements that regulate hazardous chemicals and wastes in order to protect human health and the environment throughout their life cycle. She also oversees the scientific and technical work of the Conventions' subsidiary bodies—the Persistent Organic Pollutants Review Committee and the Chemical Review Committee—facilitating the review of new chemicals proposed for listing under the Conventions. Her expertise bridges science and policy, with experience in risk assessment, chemicals and waste management, and environmental monitoring. Kei Ohno Woodall holds a PhD in environmental analytical chemistry.

Tuesday Platform Presentations Morning 1

	09:35	09:50	10:05
0.4	**Environmental Forensics: Tracking Sources and Evaluating the Effects of Chemicals in Urban and Other Environments** | ...		
	3.09.A.T-01 The INQUIRE project: Human exposure to indoor house dust: characterization of unknown chemical compounds and their potential sources | **Stamatina Violaki**, Vrije Universiteit Amsterdam (VU), Netherlands	**3.09.A.T-02** From Indoors to Surface Water: Tracking Contaminants Released From Textiles During Laundry via Target and Non-Target Screening | **Anna Goellner**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.09.A.T-03** Associating point source PAH sources with vapor-phase Isotopic Carbon Ratios collected with Passive Sampling Devices | **Alison Clark**, Oregon State University, United States
0.5	**Microbial Ecotoxicology: From Ecosystem Resilience to Environmental Health** | Pedro A. Inostroza, Natàlia Corcoll, Despo Fatta-Kassinos, Alexander Feckler		
	2.10.T-01 Pollutant Biodegradation Profile Mediated by Multi-trophic Microbial Dynamics in Rivers | **Joeselle Serrana**, Stockholm University, Sweden	**2.10.T-02** Impacts of Chronic Sodium Fluoride Exposure Followed by a Viral Challenge on Juvenile Rainbow Trout and Their Microbiomes | **Marine Suchet**, UMR EPOC 5805, Université Bordeaux, CNRS, Bordeaux INP, France	**2.10.T-03** Cryogenically milled tire tread induces functional and structural changes in natural periphyton communities | **Sara Gonçalves**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland
0.10/0.11	**PFAS in Terrestrial & Aquatic Ecosystems: Advances in Understanding of Fate and Effects** | Elma Lahive, Emma Pemberton, Thomas Miller		
	3.20.A.T-01 Sea Spray Aerosols and other Per- and Polyfluoroalkyl Substances (PFAS) Sources on an Arctic Volcano | **William Hartz**, Örebro University & NILU, Norway	**3.20.A.T-02** Environmental and Human Health Risks of Short-Chain PFAS Falling Under the Purview of the Montreal Protocol and Amendments | **Keith Solomon**, University of Guelph, Canada	**3.20.A.T-03** Small Creatures, Big Contaminants: PFAS uptake in macroinvertebrates | **Adele Romagnano**, RMIT University, Australia
0.15	**Terrestrial Biodiversity and Chemical Pollution: Understanding Exposure and Impacts Towards Improving Risk Prevention and Management** | ...		
	2.12.A.T-01 Occurrence and Distribution of Organic Micropollutants in the Barn Owl Food Chain: A Pan-European case study | **Antigoni Konomi**, National and Kapodistrian University of Athens, Greece	**2.12.A.T-02** A new systems approach addressing chemical risks to terrestrial biodiversity in Europe | **Guy Duke**, Environmental Institute s.r.o., Slovakia	**2.12.A.T-03** A Historical Perspective on Bioaccumulation Research and Regulations | **Kate Fremlin**, Amaroq Wildlife Services, Canada
Auditorium 1	**Integrating Polymer Analytics, Plastic Additives, and Micro/Nanoplastics for Risk Assessment and Regulation** | ...		
	3.17.A.T-01 Rubber additives are bioaccessible and rapidly released from respirable particulate matter in the lungs | **Anya Sherman**, IDAEA-CSIC, Spain	**3.17.A.T-02** A Fingerprint Analysis Approach Towards Identification and Quantification of Additives in Plastics | **Jan-Hendrik Arndt**, Fraunhofer Institute for Structural Durability and System Reliability LBF, Germany	**3.17.A.T-03** Fate of industrial polypropylene pellets in the environment: influence of additives on the release of degradation by-products | **Amandine Passin**, Institut des Molécules et Matériaux du Mans, IMMM - UMR 6283 CNRS, Le Mans Université, France
Auditorium 2	**Bridging Innovation and Interpretation: New Approach Methodologies (NAMs) and 3R Alternatives in Environmental Toxicology** | ...		
	1.03.A.T-01 Adaptation of fish hepatocytes improves the cytotoxicity assessments of substances requiring biotransformation: The curious case of allyl alcohol | **Maria Hultman**, Norwegian Institute for Water Research, Norway	**1.03.A.T-02** Cellular Diversity Behind Ecotoxicogenomics: Single-Cell and In Vitro Insights into Mycophenolic Acid Exposure in Rainbow Trout Gills | **Owen Trimming**, Cardiff University, United Kingdom	**1.03.A.T-03** Risk-based prioritization of persistent and mobile chemicals using new approach methodologies (NAMs) | **Timo Hamers**, Vrije Universiteit, Netherlands
Brightlands foyer	**Increasing Access to Life Cycle Data: Bridging Transparent, Inclusive, and Reproducible Sustainability Knowledge** | ...		
	5.08.T-01 Toward Transparent and Inclusive Applications of Artificial Intelligence in Life Cycle Assessment | **Laure Patouillard**, CIRAIG, Polytechnique Montreal, Canada	**5.08.T-02** Interoperability Requirements for Digital Product Passports in the Circular Economy | **Kay Langhammer**, Wuppertal Institute for Climate, Environment and Energy, Germany	**5.08.T-03** Addressing the Reproducibility Problem in Life Cycle Assessment Studies: A Critical Scientific Challenge | **Kamal Kamali**, University of Bordeaux, France
2.1	**Navigating and Harnessing Complexity in Ecological Risk Assessment of Chemicals** | Nika Galic, Bram van de Straat, Bas Buddendorf, Rachel Sharp		
	4.10.T-01 Navigating species diversity and data gaps: the role for trait-based approaches and modelling | **Nika Galic**, Syngenta Crop Protection AG, Switzerland	**4.10.T-02** APODEMUS, a Population Model for the Wood Mouse: implementation and model analysis | **Alexander Singer**, RIFCON GmbH, Germany	**4.10.T-03** Chemical Co-Exposure and Risk Estimation for European Watersheds: A Combined Approach Using Models and Monitoring | **Sophie Mentzel**, Norwegian Institute for Water Research, Norway
2.2	**Bridging Science and Policy: The Role of Adverse Outcome Pathways in Research and Regulatory Practices to Support Next Generation Risk Assessment** | ...		
	1.04.T-01 Neural crest cell impairment as a conserved developmental target of retinoid signalling disruption: evidence from zebrafish | **Audrey Phan**, RECETOX, Masaryk University, France	**1.04.T-02** From Theory to Practice: Employing EcR Agonism AOP for In Vitro Screening Assay | **Rebeka Darmati**, Wageningen University and Research (WUR), Netherlands	**1.04.T-03** Integrating point of departure and structural equation modelling to AOP development: A case study of diuron toxicity in microalgae | **Li Xie**, Norwegian Institute for Water Research, Norway
2.18/2.19	**Integrating Genomics, Metabolomics, and Control Strategies to Address Harmful Algal and Cyanobacterial Blooms** | ...		
	3.16.A.T-01 Mixture Toxicity of Guanitoxin and Organophosphates in Zebrafish: From Developmental and Neurobehavioral Phenotypes to Transcriptomic Responses | **Larissa Souza Passos**, University of São Paulo (USP), Brazil	**3.16.A.T-02** Herbicide Exposure Alters Transcriptomic Responses in a Bloom-Forming Cyanobacterium and Its Chytrid Parasite | **Erika Martinez-Ruiz**, Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany	**3.16.A.T-03** Silent Killers on the Riverbed: Episodic Anatoxin Bursts from Benthic Cyanobacterial Mats in Swiss Waters | **Simon Grundmüller**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

Tuesday Platform Presentations Morning 1

	10:20	10:35
0.4	| Matt Dodd, Tessa E. Pronk, Thomas L. ter Laak, Mark Maboeta	
	3.09.A.T-04 Identifying Contaminant Fingerprints and Endpoints-Specific Risk Drivers Pattern in Source-Related Effluents using Non-Target Screening | **Alain Hoyek**, Helmholtz Centre for Environmental Research GmbH (UFZ); Goethe University Frankfurt, Germany	**3.09.A.T-05** Sustainable green roofs for the implementation of the sponge city: Determination of ecotoxicologically safe construction products for green roofs | **Elena Perabo**, Hydrotox GmbH, Germany
0.5	**Microbial Ecotoxicology: From Ecosystem Resilience to Environmental Health** | Pedro A. Inostroza, Natàlia Corcoll, Despo Fatta-Kassinos, Alexander Feckler	
	2.10.T-04 Environmental concentrations of the fungicide tebuconazole alter microbial biodiversity and trigger biofilm-released transformation products | **Natàlia Corcoll**, University of Gothenburg, Sweden	Poster Spotlights: 2.10.P-Tu133, 2.10.P-Tu134, 2.10.P-Tu135
0.10/0.11	**PFAS in Terrestrial & Aquatic Ecosystems: Advances in Understanding of Fate and Effects** | Elma Lahive, Emma Pemberton, Thomas Miller	
	3.20.A.T-04 Covering 57 PFASs in One Shot: An Expanded LC-MS/MS Method for Contaminant Tracing Through the Otter Food Web | **Ling Chen**, Wageningen Food Safety Research (WFSR), China (Mainland)	Poster Spotlights: 3.20.P-Tu336, 3.20.P-Tu345
0.15	| Guy Duke, S. Henrik Barmentlo, Susan Oginah, Paola Movalli	
	2.12.A.T-04 Linking Pesticide Mixture Toxic Pressure to Species Loss in European Agricultural Soils | **Susan Oginah**, Quantitative Sustainability Assessment, Technical Univ. of Denmark, Denmark	**2.12.A.T-05** Discussion
Auditorium 1	| Maria Vittoria Barbieri, Laszlo Majoros, Friederike Luenne, Miguel Oliveira	
	3.17.A.T-04 Multi-class Organic Contaminants in Brain and Muscle of Mallorcan Fish | **Valentina Araya Piqué**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain	Poster Spotlights: 3.17.P-Tu310, 3.17.P-Tu320, 3.17.P-Tu324
Auditorium 2	| Zhiling Guo, Pu Xia, Iseult Lynch, Luigi Margiotta-Casaluci	
	1.03.A.T-04 Next Generation Hazard Assessment of Legacy and Alternative Phthalate Plasticizers Using New Approach Methodologies within an Integrated Approaches to Testing and Assessment (IATA) Framework | **Chaein Chong**, University of Seoul, Korea, Republic of	**1.03.A.T-05** European Seabass (Dicentrarchus labrax) Hepatic Spheroids: a Novel in Vitro Model to Decipher Biotransformation and Mechanisms of Action of Chemical Contaminants | **Soizig Le Garrec**, French Institute for Ocean Science (IFREMER), France
Brightlands foyer	| Didier Beloin-Saint-Pierre, Agneta Ghose, Tomas Navarrete Gutierrez, Heather Logan	
	5.08.T-04 PROXYLCA : A Standardised Framework for Estimating Missing Food Life Cycle Inventory Data | **Clara Payró**, Agroscope; Institute of Environmental Sciences, Leiden University, Switzerland	Poster Spotlights: 5.08.P-Tu434, 5.08.P-Tu436, 5.08.P-Tu440
2.1	**Navigating and Harnessing Complexity in Ecological Risk Assessment of Chemicals** | Nika Galic, Bram van de Straat, Bas Buddendorf, Rachel Sharp	
	4.10.T-04 ECOMIX: Understanding and Managing the Impacts of Mixtures of Chemicals and Co-Stressors on Mixtures of Species in English Rivers | **Alistair Boxall**, University of York, United Kingdom	Poster Spotlights: 4.10.P-Tu385, 4.10.P-Tu386, 4.10.P-Tu387
2.2	| Elizabeth Dufourcq Sekatcheff, You Song, Kevin Bonnot	
	1.04.T-04 Multi-level Analysis of effects in D. leopardus male tree frogs of Fukushima prefecture - Towards fueling the 'repro-toxicity cAOP' with wildlife responses | **Sandrine Frelon**, ASNR, France	**1.04.T-05** Adverse Outcome Pathway Network-Based Approach for the Evaluation of Thyroid Hormone System Disruption for Human Health and Environmental Regulatory Hazard Assessment | **Lucia Vergauwen**, University of Antwerp, Belgium
2.18/2.19	| Petra Visser, Dail Laughinghouse, Anastasia Hiskia, Triantafyllos Kaloudis	
	3.16.A.T-04 Ecophysiological Experiments on Prymnesium parvum: Environmental Conditions Favoring Growth | **Tümer Aykut**, University of Warsaw, Poland	**3.16.A.T-05** Dual Roles of Cyanobacterial metabolites: As Enzyme Substrates and Inhibitors | **Xuejian Wang**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

Tuesday Platform Presentations Morning 2

	11:40	11:55	12:10
0.4	**Environmental Forensics: Tracking Sources and Evaluating the Effects of Chemicals in Urban and Other Environments** | ...		
	3.09.B.T-01 Temporal Impact from PFAS Source Identification to Downstream Response- Lessons Learned and Implications | **Jane Thrasher**, Jacobs, United Kingdom	**3.09.B.T-02** Non-target Screening and Physicochemical Profiling of Infiltrated Chemicals in Stormwater Biofilters for groundwater recharge | **Sergio Santana-Viera**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain	**3.09.B.T-03** POPs in Brown Waters - Revealing Spatial Patterns of PCDD/Fs, PCBs and PBDEs in Fish along Gradients in the Northern Baltic Sea | **Linda Zetterholm**, Umea University, Sweden
0.5	**Emerging Chemical and Microbial Threats to Drinking Water Quality: Identification, Prioritization and Risk assessment** | ...		
	3.08.T-01 Persistent DOM Fractions as Dominant Precursors of DBP Formation: Integrated Target and Non-Target HRMS Insights from a Full-Scale DWTP | **Francisco Zafra-Navarro**, Catalan Institute for Water Research (ICRA), Spain	**3.08.T-02** A plasmonic nano-tastebud sensor for the detection and discrimination of organic micropollutants in drinking water | **Baptiste Poursat**, University of Glasgow, United Kingdom	**3.08.T-03** Exploring biodegradation potential of nitramines in drinking water, biproducts of amine-based carbon capture. | **Aina Wennberg**, NIVA, Norway
0.10/0.11	**PFAS in Terrestrial & Aquatic Ecosystems: Advances in Understanding of Fate and Effects** | Elma Lahive, Emma Pemberton, Thomas Miller		
	3.20.B.T-01 PFAS in Fire Foam Contaminated Soils – The Importance of Precursors and Leaching for Risk Assessment | **Patrick van Hees**, Eurofins Food & Feed Sweden AB/Örebro University, Sweden	**3.20.B.T-02** Dynamics of emerging PFAS in a contaminated terrestrial ecosystem | **Adrian Covaci**, University of Antwerp, Belgium	**3.20.B.T-03** Linking PFAS Structure to Plant Uptake: Differential Accumulation in Root and Fruit Crops | **Rebecca Yates**, University of California, Riverside, United States
0.15	**Terrestrial Biodiversity and Chemical Pollution: Understanding Exposure and Impacts Towards Improving Risk Prevention and Management** | ...		
	2.12.B.T-01 Relating Chemical Effects to Ecosystem Functioning: Introducing the Functional Sensitivity Distribution | **Annetrude Boeije**, Leiden University, Netherlands	**2.12.B.T-02** Are pesticides a relevant driver of terrestrial biodiversity loss? | **Ralf Schaefer**, University Duisburg-Essen (Uni DUE), Germany	**2.12.B.T-03** Protecting Terrestrial Biodiversity Through Chemical Regulation: A Critical Review of European Environmental Risk Assessment Frameworks | **Romana Hornek-Gausterer**, University of Applied Sciences Vienna (UAS Technikum), Austria
Auditorium 1	**Integrating Polymer Analytics, Plastic Additives, and Micro/Nanoplastics for Risk Assessment and Regulation** | ...		
	3.17.B.T-01 Applying Effect-Based Testing to Develop Safer Polymers: Case Study with Flame-Retardant, Reprocessable Vitrimers | **Rafael Reis**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**3.17.B.T-02** Plastic Product-Specific Degradation Pathways and Quantification of Release Species: Towards Systematic Assessments for Material Comparison and Harmonization | **Patrizia Marie Schmidt**, BASF, Germany	**3.17.B.T-03** Development, Validation, and Application of a Method for the Quantification of Micro- and Nanoplastics in Human Bile | **Federica Nardella**, Vrije Universiteit Amsterdam (VU), Netherlands
Auditorium 2	**Bridging Innovation and Interpretation: New Approach Methodologies (NAMs) and 3R Alternatives in Environmental Toxicology** | ...		
	1.03.B.T-01 Mechanistic Insights into 6PPD-Quinone Toxicity using Brain- and Gill-derived Rainbow Trout (Oncorhynchus mykiss) Cell Lines as New Approach Methodologies (NAMs) | **Anna Toso**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**1.03.B.T-02** Development of Fish Cell-based Reproductive Toxicity Assays | **Roman Li**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**1.03.B.T-03** In Vitro Transcriptomic Points of Departure (tPODs) for 42 diverse chemicals in a human (Caco-2) and fish (RT-Gill) cell line | **Niladri Basu**, McGill University, Canada
Brightlands foyer	**Addressing Sustainability Aspects of Circular Technologies Using New Approaches in LCA** | Peter Saling, Siyabonga Madonsela, Tomas Ekvall		
	5.01.T-01 Holistic Sustainability Assessment: Developing a Circularity Indicator Tool for Packaging | **Stuart Walker**, University of Sheffield, United Kingdom	**5.01.T-02** Opportunities and limits of new LCA approaches in the circular design of chemical and pharmaceutical manufacturing | **Christopher Oberschelp**, ETH Zurich; NCCR Catalysis, Switzerland	**5.01.T-03** TBD
2.1	**Advancing Understanding of Environmental Persistence of Chemicals** | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg		
	3.04.A.T-01 Biodegradation Testing Beyond Standardized OECD 301 Screening Methods | **Glauco Battagliarin**, BASF, Germany	**3.04.A.T-02** Regulatory degradation testing of difficult-to-test substances | **Dieter Hennecke**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany	**3.04.A.T-03** High-Throughput Miniaturized Biotransformation Screening: Method Validation and Robustness Testing | **Chiel Kaal**, Swiss Federal Institute of Aquatic Science and Technology (Eawag); University of Zurich, Switzerland
2.2	**Crossing Scales in (Eco)toxicology: Using Multi-Omics to Understand and Predict Physiological and Ecological Responses** | ...		
	1.06.T-01 Connecting the Dots: data-driven clustering of mechanisms of action based on molecular signatures of gene expression profiles in zebrafish embryos | **Fatma Marghany**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany	**1.06.T-02** Spatial Multi-Omics to Advance Toxicity Assessment of Tributyltin in Zebrafish Embryos | **Laia Navarro-Martin**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain	**1.06.T-03** Meta-Metabolomics to Unravel Biopesticide-Induced Structural, Functional and Adaptative Responses in Benthic Microbial Communities | **Fanny Charrier**, National Research Institute for Agriculture, Food and Environment (INRAE), France
2.18/2.19	**Integrating Genomics, Metabolomics, and Control Strategies to Address Harmful Algal and Cyanobacterial Blooms** | ...		
	3.16.B.T-01 Profiling the Metabolomic Response of Microcystis aeruginosa PCC7806 to UV-A and UV-B Irradiation Stress | **Anastasia Hiskia**, Institute of Nanoscience and Nanotechnology, NCSR "Demokritos", Greece	**3.16.B.T-02** Evaluation of Ultrasound for Cyanobacteria Suppression Using a Field Unit in a Laboratory Anechoic Tank | **Linda Weavers**, Ohio State University, United States	**3.16.B.T-03** Antimicrobial Resistance in Cyanobacteria: An Experimental and Genomic Approach | **Gloria Bianchi**, Italian National Institute of Health, University of Tuscia, Italy

Tuesday Platform Presentations Morning 2

	12:25	12:40
0.4	| Matt Dodd, Tessa E. Pronk, Thomas L. ter Laak, Mark Maboeta	
	3.09.B.T-04 Biomineralized shells as forensic bioarchives: metal(loid) mixtures and nanoparticles from metallurgical particulate matter accumulate and persist in marine bivalves | **Marisa Fernandes**, UFSCar, Brazil	**3.09.B.T-05** Occurrence of 7 bisphenols in surface soil and sewage sludge from Trondheim, Norway | **Liang Zhao**, Norwegian University of Science and Technology (NTNU), Norway
0.5	| Dominique Narain-Ford, Heike Schmitt, Annemarie van Wezel, Thomas L. ter Laak	
	3.08.T-04 Semi-Automated Workflow for the Identification and Screening of Active Degradation Products of Tyrosine Kinase Inhibitors After Treatment with Aerobic Activated Sludge | **Nick Zwart**, Amsterdam Institute for Life and Environment (A-LIFE), Vrije Universiteit Amsterdam, Netherlands	**3.08.T-05** Assessment of Health Risks Associated with Soluble Polymer Application in Drinking Water Production | **Bianca van de Ven**, RIVM, Netherlands
0.10/0.11	**PFAS in Terrestrial & Aquatic Ecosystems: Advances in Understanding of Fate and Effects** | Elma Lahive, Emma Pemberton, Thomas Miller	
	3.20.B.T-04 TBD	Poster Spotlights: 3.20.P-Tu343, 3.20.P-Tu335
0.15	| Guy Duke, S. Henrik Barmentlo, Susan Oginah, Paola Movalli	
	2.12.B.T-04 Occurrence and concentration of organic pesticides in Europe's wildlife | **Philipp Kropf**, Leiden University, Netherlands	**2.12.B.T-05** Discussion
Auditorium 1	| Maria Vittoria Barbieri, Laszlo Majoros, Friederike Luenne, Miguel Oliveira	
	3.17.B.T-04 So You've Eaten a Microplastic – Where Does it Go? The First Human Microdosing Study | **Luke Parker**, TNO, Netherlands	Poster Spotlights: 3.17.P-Tu298, 3.17.P-Tu301, 3.17.P-Tu308
Auditorium 2	| Zhiling Guo, Pu Xia, Iseult Lynch, Luigi Margiotta-Casaluci	
	1.03.B.T-04 Evaluating the Protectiveness of High-Throughput Transcriptomics Data from fish cell lines for Environmental Risk Assessment | **Claudia Rivetti**, Safety, Environmental and Regulatory Sciences (SERS), Unilever, United Kingdom	Poster Spotlights: 1.03.P-Tu035, 1.03.P-Tu037, 1.03.P-Tu038
Brightlands foyer	**Addressing Sustainability Aspects of Circular Technologies Using New Approaches in LCA** | Peter Saling, Siyabonga Madonsela, Tomas Ekvall	
	5.01.T-04 TBD	Poster Spotlights: 5.01.P-Tu391, 5.01.P-Tu404
2.1	**Advancing Understanding of Environmental Persistence of Chemicals** | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg	
	3.04.A.T-04 Linking Assimilable DOC Levels to Microbial Metabolic Strategies and OMP Persistence in Groundwater | **Silvana Ines Quiton Tapia**, Wageningen University and Research (WUR), Netherlands	Poster Spotlights: 3.04.P-Tu175, 3.04.P-Tu179, 3.04.P-Tu187
2.2	| Pim Leonards, Erico Oliveira Pereira, Denina B.D. Simmons, Elise Pesce	
	1.06.T-04 Ecotoxicity and mechanism of antifouling paint particles on Pacific white shrimp | **Lia Kim**, Konkuk University, Korea, Republic of	Poster Spotlights: 1.06.P-Tu048, 1.06.P-Tu056, 1.06.P-Tu057
2.18/2.19	| Petra Visser, Dail Laughinghouse, Anastasia Hiskia, Triantafyllos Kaloudis	
	3.16.B.T-04 Uncovering the cytotoxicity of secondary metabolites from Microcystis extracts on two fish cell lines | **Aurore Huré**, Université de Reims Champagne-Ardenne, UHLN, INERIS, Normandie Univ, SEBIO, UMR-I 02, France	**3.16.B.T-05** Bioprospecting Microcystis-Dominated Toxic Biomass For Valuable Compounds And Biopesticidal Activity | **Judita Koreivienė**, Laboratory of Algology and Microbial Ecology, State Scientific Research Institute Nature Research Centre, Lithuania

Tuesday Platform Presentations Afternoon

	14:30	14:45	15:00
0.4	**Experimental, Modelling, and Monitoring Approaches to Assess the Environmental Fate and Exposure of Pesticides** | ...		
	3.10.A.T-01 Update on improving the procedure for fitting degradation rates in water sediment studies | **Sevil Payvandi**, Syngenta, United Kingdom	**3.10.A.T-02** Effect of linear and Freundlich isotherms in the prediction with VFSMOD of pesticide residue remobilization from vegetative filter strips | **Rafael Muñoz-Carpena**, University of Florida, United States	**3.10.A.T-03** FOCUS Surface Water Repair Stage 2 Version Control Testing – First insights | **Denis Weber**, Exponent International Ltd., Switzerland
0.5	**Pharmaceuticals in the Environment – Innovations in Risk Assessment, Regulation, and the Science Globally** | John Wilkinson, Todd Davidson, Gerd Maack, Dean Leverett		
	3.21.T-01 Connecting the Dots in Terrestrial Pharmaceutical Fate: Towards a Prioritisation Framework | **Nahum Ashfield**, University of York, United Kingdom	**3.21.T-02** Advancing Drug Emission Modelling Through Systematic Derivation of Human Drug Metabolism and Excretion Data from Regulatory Sources and Mass Balance Study Publications | **Frank Klont**, University of Groningen, Netherlands	**3.21.T-03** Degradation products of siRNAs and ASOs following incubation in sewage sludge | **Laura Garcia Barcia**, Lilly, United States
0.10/0.11	**Bridging Science, Regulation, and Remediation on PFAS: Addressing Unknowns and Emerging Challenges** | Zhanyun Wang, Simon Gutierrez, Rosalinda Gioia, Ian Cousins		
	3.05.T-01 Exploring the Unknown PFAS Space in Time Series From the Rhine and Danube: A Multi-Laboratory Study | **Hanna Joerss**, Helmholtz Center Hereon, Germany	**3.05.T-02** Defining the Use of Per- And Polyfluorinated Substances (PFAS) In Green Energy Technologies and Providing Information on Their Functions: The Case of Wind Turbines and Batteries | **Amanda Rensmo**, Stockholm University, Sweden	**3.05.T-03** Estimated Costs and Impacts of Widespread PFAS Remediation Across Europe | **Alison Ling**, University of St Thomas, United States
0.15	**Integrative and Mechanistic Approaches to Wildlife Ecotoxicology: Cross-Species Variability and One Health perspective** | ...		
	2.09.T-01 Sublethal Anticoagulant Rodenticide Exposure Drives Systemic Stress Signatures in the Eurasian Eagle-Owl (Bubo bubo): Insights from blood RNA-Seq | **Camilo Escobar-Sierra**, Institute for Environmental Research, RWTH Aachen University, Germany	**2.09.T-02** Mechanistic Effect Models in Wildlife Risk Assessment: Insights from 15 years of Application | **Oliver Jakoby**, RIFCON GmbH, Germany	**2.09.T-03** Multi-Level Impacts of Fungicide Exposure on Red-Legged Partridge | **Claudia Santamaria Cervantes**, University of Castilla-La Mancha (UCLM), Spain
Auditorium	**Out of the Norm: Assessing Fate, Safety, and Sustainability of Biodegradable Polymers** | Glauco Battagliarin, Andrea Valsesia, Michael Zumstein, Pippa Kate Curtis-Jackson		
	3.19.A.T-01 Soil Biodegradation of Biobased Polyesters: Towards Structure-Reactivity Relationships | **Thijs Vangeel**, ETH Zurich, Switzerland	**3.19.A.T-02** Soil Biodegradation of a Rice Dust-Based Bioplastic and Its Effects on Microbial Communities | **Catarina Malheiro**, University of Aveiro (UAVR), Portugal	**3.19.A.T-03** Chemical complexity and ecotoxicological effects of leachates from bioplastic and conventional plastic products | **Sevil Vafadar Afshar**, Technical University of Denmark (DTU), Denmark
Auditorium 2	**Bridging the Data-to-Regulation Gap: How to Align NAMs with Regulatory Decision-Making** | Vanessa Srebny, Anna Böhnhardt, Claudia Rivetti, Francesca Pellizzato		
	7.04.T-01 A Regulatory Window for Animal-Free Environmental Risk Assessment: Integrating New Approach Methodologies for Legacy Pharmaceuticals | **Samuel Maynard**, AstraZeneca, United Kingdom	**7.04.T-02** AMiCI-BD: a QSAR Assessment Framework Compliant Machine Learning Model | **Floriane Larras**, KREATiS, France	**7.04.T-03** Modernizing persistence and toxicity assessment through coupling biodegradation with an in vitro bioassay | **Yohan Seol**, Helmholtz Center for Environmental Research (UFZ), Germany
Brightlands foyer	**Advancing Methods for Prospective Life Cycle Assessment to Support Radical Approaches to Sustainable Research and Innovation** | ...		
	5.02.T-01 Dynamic Counterfactual LCA: Prospective Consequences via Socio-ecological Modeling | **Pierre Jouannais**, ITAP, INRAE, France	**5.02.T-02** Prospective Life Cycle Assessment in Mineral Value Chains: an Extend SIMPL Approach (SIMPL-Minerals) | **Jonas Klimt**, Leiden University, Netherlands	**5.02.T-03** Climate change impacts with prospective characterization factors: sensitivity of background inventories | **Francesco Cherubini**, Norwegian University of Science & Technology, Norway
2.1	**Advancing Understanding of Environmental Persistence of Chemicals** | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg		
	3.04.B.T-01 Effect of Inoculum Location on Marine Biodegradation Kinetics | **Heidi Birch**, Technical University of Denmark (DTU), Denmark	**3.04.B.T-02** Higher Microbial Diversity Enhances the Extent and Rate of Organic Micropollutant Biodegradation Under Aerobic and Nitrate-reducing Conditions | **Alessia Ore**, Wageningen University and Research (WUR), Netherlands	**3.04.B.T-03** Explaining the Variability in Micropollutant Biodegradation Across Aquatic Ecosystems Through Microbial Respiration | **Arild Gustafsson**, Stockholm University, Sweden
2.2	**Integrating Evolution and Mechanisms to Advance Ecotoxicology Under Global Change** | Chao Zhang, Robby Stoks, Piotr Maszczyk, Matthias Liess		
	2.08.T-01 Effects of Adaptation on Evolutionary Potential in Multi-stressor Environments: Insights from Sequential Laboratory Evolution Experiments | **Steven Declerck**, Netherlands Institute of Ecology (NIOO-KNAW), Netherlands	**2.08.T-02** Epigenetic Plasticity Enables Copepods to Cope with Ocean Acidification | **Jae-Seong Lee**, Sungkyunkwan University, Korea, Republic of	**2.08.T-03** Springtails in Distress - How Are Soil Fauna Impacted by Pesticides in a Changing Climate? | **Katrine Borga**, University of Oslo (UiO), Norway
2.18/2.19	**Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment** | Marianne Elizabeth Glascott, Zhongli Chen, Patricia Lopez-Mancisidor Romero, Magali Solé		
	2.01.T-01 Multiomics insights into wild flora molecular adaptation in the Chernobyl Exclusion Zone | **Polina Volkova**, Independent Researcher, Belgium	**2.01.T-02** Non-target terrestrial plant risk assessment: The implications for weed control in the EU | **Joanna Davies**, Syngenta Ltd, United Kingdom	**2.01.T-03** Overspray Exposure of Aquatic Plants: New Experimental Evidence and Implications for Risk Assessment | **Bastian Polst**, Wageningen University and Research (WUR), Netherlands

Tuesday Platform Presentations Afternoon

	15:15	15:30
0.4	| Bernhard Jene, Joachim Dayteg, Pauline Iris Adriaanse	
	3.10.A.T-04 GIS based modelling of linked aquatic exposure and effect modelling considering precision application | **Sebastian Multsch**, BASF, Germany	**3.10.A.T-05** Harmonised Framework for the SETAC Spatially Distributed Leaching Modelling of Pesticides Initiative | **Pavan Cornelissen**, Wageningen University and Research (WUR), Netherlands
0.5	**Pharmaceuticals in the Environment – Innovations in Risk Assessment, Regulation, and the Science Globally** | John Wilkinson, Todd Davidson, Gerd Maack, Dean Leverett	
	3.21.T-04 Projected Ecotoxicological Risks from Pharmaceuticals in German Rivers by 2050 | **Shixue Wu**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.21.T-05** A Framework to Identify High-Priority Legacy Active Pharmaceutical Ingredients for Environmental Risk Assessment | **Cristiana Cannata**, Radboud University, Netherlands
0.10/0.11	**Bridging Science, Regulation, and Remediation on PFAS: Addressing Unknowns and Emerging Challenges** | Zhanyun Wang, Simon Gutierrez, Rosalinda Gioia, Ian Cousins	
	3.05.T-04 Advancing Our Understanding Point Sources of PFAS Emissions to Air | **Jane Thrasher**, Jacobs, United Kingdom	Poster Spotlights: 3.05.P-Tu195, 3.05.P-Tu196, 3.05.P-Tu198
0.15	| Natalia Sandoval Herrera, Lee Walker, Azucena Bermejo-Nogales, Pablo Sanchez Virosta	
	2.09.T-04 Predicting Acetaminophen Toxicity in Protected Bird Species Based on UDP-Glucuronosyltransferase Docking Site Analysis | **Peter van den Hurk**, Clemson University, United States	**2.09.T-05** Age-dependent variation in trophic ecology and mercury concentration in Whiskered tern (Chlidonias hybrida) chicks | **Izabela Wiśniowska**, Institute of Biology and Earth Sciences, University of the National Education Commission, Poland
Auditorium	**Out of the Norm: Assessing Fate, Safety, and Sustainability of Biodegradable Polymers** | Glauco Battagliarin, Andrea Valsesia, Michael Zumstein, Pippa Kate Curtis-Jackson	
	3.19.A.T-04 Water-soluble polymers in the aquatic environment – Lessons learned from two case studies with Polyethylene glycole and polyquaternium polymers | **Daniel Zahn**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	Poster Spotlights: 3.19.P-We268, 3.19.P-We272, 3.19.P-We280
Auditorium 2	**Bridging the Data-to-Regulation Gap: How to Align NAMs with Regulatory Decision-Making** | Vanessa Srebny, Anna Böhnhardt, Claudia Rivetti, Francesca Pellizzato	
	7.04.T-04 Practical Implementation of NAMs into Toxicological Assessment of Pesticide Residues | **Darina Yordanova**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria	Poster Spotlights: 7.04.P-Tu451, 7.04.P-Tu452, 7.04.P-Tu453
Brightlands foyer	| Nils Thonemann, Anne van den Oever, Ulrike Kirschnick, Myriam Saadé	
	5.02.T-04 Is Time-Explicit Life-Cycle Assessment Useful? A Vehicle Eco-design Case Study | **Thomas Arblaster**, Leiden University, Netherlands	Poster Spotlights: 5.02.P-Tu412, 5.02.P-Tu413, 5.02.P-Tu417
2.1	**Advancing Understanding of Environmental Persistence of Chemicals** | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg	
	3.04.B.T-04 Tracing Organotin Degradation Using Multi-Isotope Labelling in Marine Sediments: The Role of Microbial Communities and Sediment Properties | **Anđela Bačinić**, Ruder Boskovic Institute, Croatia	Poster Spotlights: 3.04.P-Tu177, 3.04.P-Tu180, 3.04.P-Tu191
2.2	**Integrating Evolution and Mechanisms to Advance Ecotoxicology Under Global Change** | Chao Zhang, Robby Stoks, Piotr Maszczyk, Matthias Liess	
	2.08.T-04 Effects of Chronic Ionizing Radiation on Arabidopsis thaliana Populations: Evidence for Selection and Microevolution | **Gustavo Turqueto Duarte**, Belgian Nuclear Research Center (SCK CEN), Belgium	**2.08.T-05** Assessing Transgenerational Behavioral Responses to EE2 in Kryptolebias marmoratus: Implications for Neurotoxicity and Multistress Adaptation | **Noemie Guirandy**, University of Namur, Belgium
2.18/2.19	**Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment** | Marianne Elizabeth Glascott, Zhongli Chen, Patricia Lopez-Mancisidor Romero, Magali Solé	
	2.01.T-04 Aquatic Macrophyte Test Outdoors: Method to Derive a Species Sensitivity Distribution for Time-Variable Exposure | **Steve Norman**, RidgewayEco, United Kingdom	**2.01.T-05** The Prevalence and Acceptability of Mesocosm Studies Submitted for Macrophytes in Pesticide Risk Assessment | **Isabel Navarro Law**, University of York, United Kingdom

Schedule

Setup	08:30–9:30
Poster Viewing	10:50–11:35
Poster Viewing	12:55–14:25
Poster Social	15:45–18:00
Take Down	by 18:15
Poster Corners	16:00–16:45

Late-Breaking Science Posters

Late-breaking science posters are not included in the printed programme book. For a full list of poster presentations, please visit the online meeting platform.

Poster Corners

Poster Corner 1

Bridging Innovation and Interpretation: New Approach Methodologies (NAMs) and 3R Alternatives in Environmental Toxicology | Zhiling Guo, Pu Xia, Luigi Margiotta-Casaluci

1.03.P-Tu028, 1.03.P-Tu030, 1.03.P-Tu031, 1.03.P-Tu032, 1.03.P-Tu033, 1.03.P-Tu036

Poster Corner 2

Integrative and Mechanistic Approaches to Wildlife Ecotoxicology: Cross-Species Variability and One Health perspective | Natalia Sandoval Herrera, Lee Walker, Azucena Bermejo-Nogales, Pablo Sanchez Virosta

2.09.P-Tu087, 2.09.P-Tu088, 2.09.P-Tu089, 2.09.P-Tu090, 2.09.P-Tu091, 2.09.P-Tu092

Poster Corner 3

Advancing Understanding of Environmental Persistence of Chemicals | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg

3.04.P-Tu158, 3.04.P-Tu159, 3.04.P-Tu160, 3.04.P-Tu161, 3.04.P-Tu162, 3.04.P-Tu163

Poster Corner 4

Emerging Chemical and Microbial Threats to Drinking Water Quality: Identification, Prioritization and Risk assessment | Dominique Narain-Ford, Heike Schmitt, Annemarie van Wezel, Thomas L. ter Laak

3.08.P-Tu209, 3.08.P-Tu210, 3.08.P-Tu212, 3.08.P-Tu213, 3.08.P-Tu214, 3.08.P-Tu215

Poster Corner 5

Environmental Forensics: Tracking Sources and Evaluating the Effects of Chemicals in Urban and Other Environments | Matt Dodd, Tessa E. Pronk, Thomas L. ter Laak, Mark Maboeta

3.09.P-Tu219, 3.09.P-Tu220, 3.09.P-Tu221, 3.09.P-Tu229, 3.09.P-Tu235

Poster Corner 6

Experimental, Modelling, and Monitoring approaches to assess the Environmental Fate and Exposure of Pesticides | Bernhard Jene, Joachim Dayteg, Pauline Iris Adriaanse

3.10.P-Tu238, 3.10.P-Tu239, 3.10.P-Tu240, 3.10.P-Tu241, 3.10.P-Tu242, 3.10.P-Tu243

Poster Corner 7

Integrating Polymer Analytics, Plastic Additives, and Micro/Nanoplastics for Risk Assessment and Regulation | Maria Vittoria Barbieri, Laszlo Majoros, Friederike Luenne, Miguel Oliveira

3.17.P-Tu291, 3.17.P-Tu292, 3.17.P-Tu293, 3.17.P-Tu307, 3.17.P-Tu325, 3.17.P-Tu327

Poster Corner 8

Embracing Outliers Within the Emerging Nexus of Agriculture, Food Systems, and the Bioeconomy | Claudia Som, Melanie Douziech, Roland Hischier

5.05.P-Tu421, 5.05.P-Tu422, 5.05.P-Tu423

Poster Sessions

Bridging Innovation and Interpretation: New Approach Methodologies (NAMs) and 3R Alternatives in Environmental Toxicology | Zhiling Guo, Pu Xia, Luigi Margiotta-Casaluci

1.03.P-Tu001 Assessing the environmental safety of microbial pesticides: Opportunities to apply the 3Rs | **Amy Marriott**, NC3Rs, United Kingdom

1.03.P-Tu002 Building AOPs for Developmental and Reproductive Toxicity in a 3R Paradigm: PFAS Case Study in C. elegans | **Wouter Bakker**, Wageningen University and Research (WUR), Netherlands

1.03.P-Tu003 Surveying Regulatory Ecotoxicology Practices: Trends and 3Rs Opportunities in Contract Research Organisations | **Amy Marriott**, NC3Rs, United Kingdom

1.03.P-Tu004 Exploring Cross-Species Chemical Sensitivity Analysis of Alternative Model Organisms, Using Bayesian Methods, to Evaluate Their Potential to Inform Chemical Hazard Assessment | **Isabelle Kavanagh**, University of Birmingham, United Kingdom

1.03.P-Tu005 Enabling the Next Generation of Avian NAMs: Data Curation, Model Evaluation, and Mechanistic Pathways Forward | **Chloé Prunier**, Inovotion, France

1.03.P-Tu006 High-Throughput Determination of Structure-Activity Relationships in Organophosphate Ester Protein Binding | **Jolie Miller**, University of Toronto, Canada

1.03.P-Tu007 Defining Applicability Domains for the OECD 249 Fish Gill Cell Line Assay: Systematic Evaluation of Membrane-active Substances | **Anika Dreier**, Noack Laboratorien, Germany

1.03.P-Tu008 Improving Chronic Fish Toxicity Prediction by Fish Early-Life Stage Data analysis and guided development of predictive alternative models | **Nadia Herold**, Helmholtz Centre for Environmental Research (UFZ), Germany

1.03.P-Tu009 Exploring the Applicability of the OECD TG 249 Fish Cell Line Acute Toxicity Assay in Environmental Hazard and Risk Assessment of Cosmetic Product Ingredients | **Ryan Heisler**, International Collaboration on Cosmetics Safety (ICCS), United States

1.03.P-Tu010 A Next-Generation High-Throughput In Vitro Exposure System for Early Hazard Ranking and Comparative Toxicity Assessment of Cigarette Smoke and Heated Tobacco Aerosols | **Jonas Daniel**, Institute for Environmental Research (IFER), RWTH Aachen University, Germany

1.03.P-Tu011 Contribution of the Ionic Fraction to the Toxicity of Soluble Metallic Nanomaterials | **Mariia Goncharova**, National Institute of Agricultural and Food Research and Technology - Spanish National Research Council (INIA-CSIC), Spain

1.03.P-Tu012 Using Fathead Minnow Fish Embryo Tests to Parameterize Mechanistic Models for Environmental Risk Assessment Refinement | **Daniel Burkow**, Bayer CropScience AG, Germany

1.03.P-Tu013 2-Ethylhexanol induces cardiotoxicity and molecular neurobehavioral impairment in Daphnia magna | **Kojo Eghan**, Korea Institute of Toxicology, Korea, Republic of

1.03.P-Tu014 Can Environmental RNA be Used to Assess Stress in Macro-organisms in the Field? | **Kyoshiro Hiki**, University of Tokyo, Japan

1.03.P-Tu015 Toxicity of biohybrid and fossil fuel fumes to Drosophila melanogaster | **Lena Benner**, RWTH Aachen University, Germany

1.03.P-Tu016 Potentials of Metabolomics-Based Early Indication of Drug-Induced Liver Injury (DILI) using In vitro and In vivo Methods | **Dahyeon Hwang**, Hankuk University of Foreign Studies, Korea, Republic of

1.03.P-Tu017 Fish Cell Lines in Pesticide Risk Assessment: Acute Toxicity and Bioaccumulation | **Kehinde Olajide**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.03.P-Tu018 Validation of the tFET: Enhancing the OECD 236 Fish Embryo Toxicity Test with Novel Endpoints to Assess Thyroidal Hormone System Disruption by Chemicals | **Benedikt Luckner**, IES - Innovative Environmental Services Ltd., Switzerland

1.03.P-Tu019 Filling in the gaps to support the application of alternative methods (OECD TG 236 and 249) to replace acute fish toxicity testing | **Pia Talja**, European Chemicals Agency (ECHA), Finland

1.03.P-Tu020 Deriving Effect-Based Trigger Values in Human Serum Using Non-Target Suspect Screening Data, Reference Doses, and Toxicokinetic Modelling | **Maria Margalef**, Vrije Universiteit Amsterdam (VU), Netherlands

1.03.P-Tu021 Biological Effects of Microcapsules 3 | **Yukiyo Okazaki**, Ehime University, Osaka University, Japan

1.03.P-Tu022 Bioaccumulation Assessment Using New Approach Methodologies for Difficult Substances | **Pauline Remuzat**, Blue Frog Scientific SAS, France

1.03.P-Tu023 Establishing Hemocyte Cell Cultures from Parhyale hawaiensis: A Key Step Toward New Approach Methodologies (NAMs) in Marine Ecotoxicology | **Giovanna Rodrigues de Melo**, UNICAMP, Brazil

1.03.P-Tu024 Checklist-based quality criteria for generating and reporting acute fish cell line data in the FACT database. | **Christoph Schuer**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.03.P-Tu025 Catching the Risk: Leveraging New Approach Methodologies to Address Acute Fish Toxicity in Plant Protection Product Assessments | **Yvonne Wolf**, Bayer AG CropScience, Germany

1.03.P-Tu026 Machine Learning-Enhanced High-Content Screening Platform for Genotoxicity Assessment in Human HepaRG Cells | **Yiping XU**, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China (Mainland)

1.03.P-Tu027 Zinc- and Copper-Containing Metal Fumes Inhibit Inflammatory Responses in THP-1-Derived Human Macrophages | **Jan Steffens**, Institute for Translational Medicine, Medical School Hamburg, Germany

1.03.P-Tu028 Can gene expression be used to detect endocrine activity in zebrafish embryos? | **Yana Streltsova**, Bayer CropScience AG, Germany

1.03.P-Tu029 Predicting Pulp and Paper Mill Effluent Toxicity Using the RTgill-W1 Assay | **Jack Salole**, McMaster University, Canada

1.03.P-Tu030 Long-term In Vitro Exposure Strategy to Study Micro- and Nanoplastic Carcinogenicity | **Javier Gutiérrez-García**, Autonomous University of Barcelona (UAB), Spain

1.03.P-Tu031 Development of Biocide-Specific Quantitative Structure-Activity Relationship(QSAR) model to Predict Developmental Toxicity to Zebrafish Embryos | **Gyumin Kang**, Seoul National University of Science and Technology, Korea, Republic of

1.03.P-Tu032 Defining the Domain of Applicability: A Case Study to Increase Confidence in Toxicogenomic Tools for Ecological Risk Assessment | **Stephanie Kennedy**, ToxStrategies, United States

1.03.P-Tu033 Are Spheroids or Organoids the Real Game-Changers for Micro(nano)plastics Health Impact Studies? | **Carolina Frazão**, University of Aveiro, Portugal

1.03.P-Tu034 Predicting Acute Fish Toxicity with the RTgill-W1 Cell Line Assay: New Insights and Regulatory Applications using Fragrance Chemicals as Case Studies | **Heike Laue**, Givaudan International SA, Switzerland

1.03.P-Tu035 Mechanism-Informed PFAS Toxicity Classification Using Integration of Transcriptomics and Computational Platforms | **Eun Ki Min**, Seoul National University of Science and Technology, Korea, Republic of

1.03.P-Tu036 High-Throughput C. elegans Toxicity Screening as a 3R-Aligned Whole-Organism Platform for Chemical Prioritisation | **Scott Glaberman**, University of Birmingham, United Kingdom

1.03.P-Tu037 Enhancing Chemical Design with New Approach Methodologies: Evaluating Predictive Ecotoxicology Models for Structurally Similar Chemicals | **Bianca Stadelmann**, Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Netherlands

1.03.P-Tu038 Advancing Fish-Specific Immunotoxicology through NAMs: Can Non-Immune Zebrafish Cell Lines Detect Drug-Induced Immunomodulation? | **Gian Hobbs**, King's College London, United Kingdom

Bridging Science and Policy: The Role of Adverse Outcome Pathways in Research and Regulatory Practices to Support Next Generation Risk Assessment | Elizabeth Dufourcq Sekatcheff, You Song, Kevin Bonnot

1.04.P-Tu039 Mapping Disease-Linked AOPs to Inform Bioassay Selection for Chemical Hazard Assessment | **Sarah Stevens**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

1.04.P-Tu040 Revealing sublethal effects of Protoceratium reticulatum on mussels (Mytilus edulis) by adverse outcome pathway (AOP) network approaches | **Wenxin Liu**, Ghent University, Belgium

1.04.P-Tu041 Early Warning of Aquatic Ecological Risks for Trifluoromethanesulfonimide: Oxidative Stress - Driven Adverse Outcome Pathways and Toxicity Thresholds | **Jinlin Jiang**, Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, China (Mainland)

1.04.P-Tu042 AI-Assisted Development of a Comprehensive Adverse Outcome Pathway Network for Oxidative Stress | **You Song**, Norwegian Institute for Water Research, Norway

1.04.P-Tu043 Practical Strategies for Translational Modelling-Enabled qAOP Development Using Existing Scientific Evidence | **You Song**, Norwegian Institute for Water Research, Norway

1.04.P-Tu044 Molting inhibition in Calanus finmarchicus after exposure to the chitin synthesis inhibitor teflubenzuron | **Knut Erik Tollefsen**, Norwegian Institute for Water Research, Norway

Crossing Scales in (Eco)toxicology: Using Multi-Omics to Understand and Predict Physiological and Ecological Responses | Pim Leonards, Erico Oliveira Pereira, Denina B.D. Simmons, Elise Pesce

1.06.P-Tu046 Developing Non-lethal Bio-dosimetry Techniques Using Fathead Minnow (Pimephales Promelas) Proteomics and Metabolomics | **Erico Oliveira Pereira**, University of Toronto, Canada

1.06.P-Tu047 Non-Invasive Biofluid Profiling for Detecting Low-Dose Radiation Exposure Using Omics Analysis | **Erico Oliveira Pereira**, Ontario Tech University, Canada

1.06.P-Tu048 Slippery Science – Fish Mucus for Non-invasive Biomonitoring | **Denina Simmons**, Ontario Tech University, Canada

1.06.P-Tu049 Investing Gut-Brain Axis disruption and Neurotoxicity Following Nanoplastic Exposure in Adult Zebrafish (Danio rerio) | **Minji Kim**, Gwangju Institute of Science and Technology (GIST), Korea, Republic of

1.06.P-Tu050 Brain Metabolic Responses of Honey Bees (Apis Mellifera) Exposed to Coumaphos and Fipronil Using UPLC-Q-TOF/MS | **Yoonjeong Jeon**, Korea Institute of Toxicology, Korea, Republic of

1.06.P-Tu051 Comparative Toxicometabolomics and Proteomics of Insecticide Abamectin in Honeybee | **Junghak Lee**, Korea Institute of Toxicology, Korea, Republic of

1.06.P-Tu052 Assessing the Impact of Fluorescent Polyethylene Terephethlate and Phenanthrene on the Blue Mussel by Omics Approaches | **Zahra Alfahmi**, Umm Al-Qura University, Saudi Arabia

1.06.P-Tu053 Assessing the linkages between Vitellogenin Amino Acid and Protein Sequences to Selenium Developmental Toxicity Thresholds among Fish | **Theresa Warriner**, Ontario Tech University, Canada

1.06.P-Tu054 Male-biased gut dysbiosis following environmentally relevant benzalkonium chloride exposure in fathead minnows (Pimephales promelas) | **Milena Esser**, McMaster University, Canada

1.06.P-Tu055 Assessing the Applicability of Sediment Metabolomic Biomarkers for Quantifying Phytoplankton Damage under Chemical Spill Incidents. | **Yeojin Bang**, Hankuk University of Foreign Studies, Korea, Republic of

1.06.P-Tu056 Multiple stressor effects in freshwater invertebrates – lessons learned from transcriptomics | **Marie Brasseur**, Ecotoxicology, University of Duisburg-Essen, Germany

1.06.P-Tu057 A Developmental Self-Organising Map of the Zebrafish Embryo Transcriptome | **Paul Michaelis**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment | Marianne Elizabeth Glascott, Zhongli Chen, Patricia Lopez-Mancisidor Romero, Magali Solé

2.01.P-Tu058 Algae Species Sensitivity Distribution to Terbuthylazine, Azoxystrobin, Copper and Their Mixture Effects | **Emma Yenney**, University of Copenhagen, Denmark

2.01.P-Tu059 Beyond Lemna and Myriophyllum – Validating Non-Standard Macrophyte Species | **Rabea Christmann**, GG BioTech Design GmbH, Germany

2.01.P-Tu060 Chronic Effects of PFOA and Microplastics on Earthworms and Freshwater Snails: Ecotoxicological and Host–Parasite Outcomes | **Enrico Mendes-Saggioro**, Oswaldo Cruz Foundation (Fiocruz), Brazil

2.01.P-Tu061 CropLife Europe Proposal for Specific Protection Goals for Non-Target Terrestrial Plants Risk Assessment | **Rena Isemer**, Bayer AG, Germany

2.01.P-Tu062 Data on 3,5-Dichlorophenol in Standard and Non-Standard Algae Species, an SSD Evaluation | **Sara P. Cuellar-Bermudez**, GG BioTech Design GmbH, Germany

2.01.P-Tu063 Development and Relevance of Overspray Tests for Aquatic Plants | **Bastian Polst**, Wageningen University and Research (WUR), Netherlands

2.01.P-Tu064 Ecotoxicological evaluation of lead concentrations typical of Lithuanian shooting ranges using different functional groups | **Gintare Sujetoviene**, Vytautas Magnus University, Lithuania

2.01.P-Tu065 Ecotoxicological Test Protocol for the Assessment of Reproductive Endpoints in Non-Target Terrestrial Plants under Greenhouse Conditions | **Andreas Duffner**, Eurofins Agroscience Services Ecotox GmbH, Germany

2.01.P-Tu066 Effects of Detergents on Macrophyte Standard Species | **Theresa Graf**, GG BioTech Design GmbH, Germany

2.01.P-Tu067 Interactive Effects of Warming and Chemical Stressors on Freshwater Aquatic Ecosystems: Regulatory Integration and Applied Management Under Climate Change | **Sascha Bub**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany

2.01.P-Tu068 Multiscale Satellite-UAV Assessment of Vegetation Stress Following Chemical Exposure Events | **Dong Geun Song**, Gwangju Institute of Science and Technology (GIST), Korea, Republic of

2.01.P-Tu069 Role of Mosses in Soil Organic Carbon Storage Under Heavy Metal Deposition in Coniferous Forests | **Ingrid Rijk**, Oerebro University, Sweden

2.01.P-Tu070 Sensitivity of Aquatic Macrophytes to Copper: Comparing Functional and Structural Endpoints | **Omar Orozco**, University of Copenhagen, Denmark

2.01.P-Tu071 Terrestrial Eco-toxicological Effects of Typical Tire Rubber Antioxidants and Derivation of Their Environmental Criteria | **Jinlin Jiang**, Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, China (Mainland)

2.01.P-Tu072 Testing Aquatic Macrophyte Growth Inhibition in 10 Species Simultaneously - Combining SSD and Time-variable Exposure Outdoors. | **Guido Gonsior**, GG BioTech Design GmbH, Germany

2.01.P-Tu073 The Effect Testing Toolbox for Non-Target Terrestrial Plant Risk Assessment: what is in and what is missing? | **Sebastian Fellmann**, Bayer AG, Germany

2.01.P-Tu074 The Impact of Selected Chemicals on Various Species of Freshwater Alga and Cyanobacteria | **Katarzyna Winiarska**, Lukasiewicz Research Network - Institute of Industrial Organic Chemistry, Poland

2.01.P-Tu075 The Intriguing Use of Plant Visual Injury Symptoms in Ecotoxicology | **Pernille Thorbek**, BASF, United Kingdom

2.01.P-Tu076 The new OECD Test Guideline No. 239 - a Comparison with the Previous Version | **Maren Dill**, GG BioTech Design GmbH, Germany

2.01.P-Tu077 TKTD modeling of semi-static algae tests with time-variable herbicide exposure – data handling and evaluation of statistical endpoints | **Natalie Albrecht**, gaiac eco assessment GmbH, Germany

2.01.P-Tu078 Visual Injuries in Aquatic Plants: Gaps, Challenges, and Recommendations from a retrospective Assessment of Study Records | **Katrin Kuhl**, Bayer AG, CropScience, Germany

2.01.P-Tu080 Investigating Alternative Treatment Strategies for Harmful Algal Blooms | **Tham Hoang**, Auburn University, USA

2.01.P-Tu081 Toxic Effects of Ciprofloxacin and Sulfamethoxazole on Crustaceans, a Marine Diatom, and a Freshwater Plant | **Marianna Pauletto**, University of Padova, Italy

Integrating Evolution and Mechanisms to Advance Ecotoxicology Under Global Change | Chao Zhang, Robby Stoks, Piotr Maszczyk, Matthias Liess

2.08.P-Tu082 Community-Wide Micro-Evolutionary Adaptation in Zooplankton and its Ecological Consequences | **Vera van Santvoort**, Netherlands Institute of Ecology (NIOO-KNAW), Netherlands

2.08.P-Tu083 Multiple stressor exposure in Arctic zooplankton during the polar night: Applications for ecological risk assessment | **Khuong Dinh**, University of Oslo (UiO), Norway

2.08.P-Tu084 Integrating Biomarker and Mechanistic Evidence to Assess Antibiotic Toxicity under Global Change Scenarios | **Bárbara Diogo**, ICBAS/CIIMAR/FCUP, Portugal

2.08.P-Tu085 Unraveling coral sensitivity to desalination antiscalants and elevated salinity: A physiological and biochemical assessment | **Alice Facques**, King Abdullah University of Science and Technology, Saudi Arabia

2.08.P-Tu086 Animal Organ Size Database: A Resource for Toxicology Research | **Jasmijn Polinder**, Radboud University, Netherlands

Integrative and Mechanistic Approaches to Wildlife Ecotoxicology: Cross-Species Variability and One Health perspective | Natalia Sandoval Herrera, Lee Walker, Azucena Bermejo-Nogales, Pablo Sanchez Virosta

2.09.P-Tu087 Dried Blood Spots as a Tool for Wildlife Ecotoxicology: Insights from Bat Omics | **Natalia Sandoval Herrera**, Department of Wildlife, Fish, and Environmental Studies, Swedish University of Agricultural Sciences, Umeå, Sweden, Sweden

2.09.P-Tu088 Multiple Stressors in Killer Whales: Using the COVID-19 Travel Restrictions to Explore the Effect of Whale Watching, Contaminants and Nutritional Status | **Katrine Borga**, University of Oslo, Norway

2.09.P-Tu089 First report of anticoagulant rodenticides and their impact in birds of prey from Northern Patagonia, Argentina | **Rafael Mateo**, IDAEA-CSIC, Spain

2.09.P-Tu090 New Approach Methods (NAMs) offer opportunities for hazard assessment in species at risk | **Jessica Head**, McGill University, Canada

2.09.P-Tu091 Transcriptome analysis in free-ranging wood mice under a chronic exposure to a mixture of trace metal | **Colette Gaillard**, Laboratoire Chrono-Environnement, France

2.09.P-Tu092 Linking Mercury and Reproductive Performance in Grey Seals (Halichoerus grypus) | **Madison Haumschild**, University of Alaska Anchorage, United States

2.09.P-Tu093 Anticoagulant Rodenticides in Birds of Prey from Switzerland - A combined approach of chemical analysis and pathological examinations | **Sibylle Maletz**, Swiss Centre for Applied Ecotoxicology, Switzerland

2.09.P-Tu094 Mapping Anticoagulant Rodenticide Binding Across Chordata VKORC1 Via Molecular Docking: Revealing Taxonomic Patterns And Outliers | **Azucena Bermejo-Nogales**, National Institute of Agricultural and Food Research and Technology - Spanish National Research Council (INIA-CSIC), Spain

2.09.P-Tu095 New Approach Methodologies to Assess Rodenticides Effects: Application of Transcriptomics in a Rat (Rattus norvegicus) Hepatoma Cell Line after Exposure to Difenacoum | **Azucena Bermejo-Nogales**, National Institute of Agricultural and Food Research and Technology - Spanish National Research Council (INIA-CSIC), Spain

2.09.P-Tu096 Exposure to Anticoagulant Rodenticides Along the River Gradient: A Case of Study of the American Mink in Eastern Spain | **Antonio Juan Garcia-Fernandez**, Toxicology and Risk Assessment, IMIB-University of Murcia, Spain

2.09.P-Tu097 Biomonitoring of Heavy Metals in Non-Commercial Elasmobranchs for Human Consumption in Southeastern Spain | **Antonio Juan Garcia-Fernandez**, Toxicology and Risk Assessment, IMIB-University of Murcia, Spain

2.09.P-Tu098 What's on the Menu? Deciphering Rodenticides' Trophic Transfer to the Aquatic Top Predator Eurasian otter (Lutra lutra) | **Antonia Hennicke**, Institute for Terrestrial and Aquatic Wildlife Research, Germany

2.09.P-Tu099 Environmental RNA metabarcoding enables community-level risk assessment based on response of benthic communities | **Yasuaki Inoue**, Kao Corporation, Japan

2.09.P-Tu100 Mercury Bioaccumulation in Pacific Bald Eagle Nestlings – Spatial and Dietary Differences and Influences | **John Elliott**, Environment and Climate Change Canada (ECCC), Canada

2.09.P-Tu101 Mercury Exposure and the Protective Effect of Selenium in a Wintering Population of Common Razorbill (Alca torda) in the Southwestern Mediterranean | **Marta Mármol**, University of Murcia, Spain

2.09.P-Tu102 A Field Study Examining the Acute Effects of Copper Applied as a Spray Fungicide in Citrus Orchards to Fruit-Eating Birds and the Garden Dormouse | **Apostolos Koutsaftis**, ERM Europe Ltd, Netherlands

2.09.P-Tu103 Biomonitoring of Heavy Metals in Red-Billed Chough (Pyrrhocorax Pyrrhocorax) to Assess the Impact on Health Following the Eruption of the Tajogaite Volcano (La Palma) in 2021 | **Antonio Juan Garcia-Fernandez**, Toxicology and Risk Assessment, IMIB-University of Murcia, Spain

2.09.P-Tu104 Assessment of the impact of metals and parasites on the cetaceans stranded along the Basque Coast (2012-2025) | **Irune Valenciano**, Research Centre for Experimental Marine Biology and Biotechnology (PiE-EHU/UV), University of the Basque Country, Spain

2.09.P-Tu105 Toxicokinetics of the UV Absorbent, UV-328, in Japanese Quail Embryos | **Ramela Koumrouyan**, McGill University, Canada

2.09.P-Tu106 First determination of Persistent Organic Pollutants (PCBs, PAHs and BFRs) in tegument of six species of cetaceans stranded along the Basque Coast (NE Iberian Peninsula) | **Manuel Soto**, University of the Basque Country, Spain

2.09.P-Tu107 Skuas as Bioindicators of Emerging Pollutants in Antarctica | **Pilar Gomez-Ramirez**, University of Murcia, Spain

2.09.P-Tu108 First Assessment of PFAS Exposure in East African Lions Using Targeted Analysis and the Total Oxidizable Precursor Assay (TOPA) | **Pablo Sanchez Virosta**, NTNU, Norway

2.09.P-Tu109 Collaborating With an Indigenous Community to Study Arctic Contaminants: 25 Years of Research With Qikiqtarjuaq, Nunavut | **Mark Mallory**, Acadia University, Canada

2.09.P-Tu110 Understanding Spatial Patterns of PFAS Exposure for two Terrestrial Species in the UK | **Lee Walker**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom

2.09.P-Tu111 From Guidance to Practice: Implementation Challenges and Strategic Approaches for Applying fTWA in Wildlife Risk Assessment | **Eva Eschenbach**, Exponent, Germany

2.09.P-Tu112 EchoGO: A Cross-Species Consensus Framework for Functional Enrichment in Non-Model Organisms | **Camilo Escobar-Sierra**, Institute for Environmental Research, RWTH-Aachen University, Germany, Germany

2.09.P-Tu113 The Atlantic Blue Crab as a Cross-Ecosystem Outlier: A Framework for Wildlife Toxicology and One Health | **Pilar Gomez-Ramirez**, University of Murcia, Spain

2.09.P-Tu114 Revised EFSA Wildlife GD: Field study scale matters for birds and mammals - representativeness reconsidered | **Tina Grimm**, RIFCON GmbH, Germany

2.09.P-Tu115 Northern fulmar and black guillemot as monitoring organisms for environmental pollutants

| **Katrin Hoydal**, Faroese Environment Agency, Faroe Islands

2.09.P-Tu116 Implications of the Updated EFSA Guidance on Birds and Mammals: Evaluating the Use of the fTWA Factor in Risk Assessment | **Ricardo Petersen**, ERM - Environmental Resource Management, Portugal

2.09.P-Tu117 How Appropriate is it to use Mammalian Model Deviation Ratios (MDRs) to Predict Mixture Toxicity in Birds? | **Sarah Priestly**, Cambridge Environmental Assessments (CEA), United Kingdom

2.09.P-Tu118 Bridging the Gap Between First Tier and Higher Tier Risk Assessments for Seed Treatment Plant Protection Products: Refinement Options for Birds and Mammals | **Sofia Sangiorgi**, Health and Safety Executive (HSE) - Chemical Regulation Division, United Kingdom

2.09.P-Tu119 The known unknowns – An approach how to assess adverse effects of Anticoagulant Rodenticides in wildlife | **Susanne Schwonbeck**, Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Germany

Microbial Ecotoxicology: From Ecosystem Resilience to Environmental Health | Pedro A. Inostroza, Natàlia Corcoll, Despo Fatta-Kassinos, Alexander Feckler

2.10.P-Tu120 Aquatic Biofilm as an Ecotoxicological Test System: A Systematic Review of Controlled Exposure Studies | **Sonja Schaufelberger**, RWTH Aachen University, Germany

2.10.P-Tu121 Optimizing a Periphytic Biofilm-based Bioassay for Ecologically Relevant Effect-Directed Analysis | **Asadulla Hil Galib**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

2.10.P-Tu122 Effects of Different Types of Biochar on the Microbial Activity and Community Composition of PFAS- and PAH Contaminated Soils | **Ingrid Rijk**, Oerebro University, Sweden

2.10.P-Tu123 Impacts of Perfluorobutanoic Acid (PFBA) on the Growth of Filamentous Cyanobacteria (Microseira wollei) and the microbial community at Environmentally Relevant Concentrations | **Michella Salvitti**, University of Maryland Eastern Shore, United States

2.10.P-Tu124 Microbial Infallibility to Degrade Per- and Polyfluoroalkyl Substances | **Clara van Meegen**, Tugraz, Austria

2.10.P-Tu125 Inhibition and Metabolic Responses of Aquatic Hyphomycetes to the Fungicide Tebuconazole - an Easy to Apply Laboratory Approach | **Silvia Mohr**, German Environment Agency (UBA), Germany

2.10.P-Tu126 Microbial–Plant Biostimulants Enhance Medicago sativa Growth Under Metal and Drought Stress | **Sara Peixoto**, CESAM, University of Aveiro, Portugal

2.10.P-Tu127 Alginate-bead delivery of fungal inoculum improves plant physiological response under saline stress | **Isabel Lopes**, CESAM, University of Aveiro, Portugal

2.10.P-Tu128 Effects of the Antimicrobial Benzalkonium Chloride on the Host Microbiome of Aquatic Insects and Riparian Spiders | **Milena Esser**, McMaster University, Canada

2.10.P-Tu129 Diversity of Microbial and Macroinvertebrate Communities Growing on Plastics and Bioplastics in a Pristine Mountain Stream | **Joan Artigas**, University of Clermont Auvergne, France

2.10.P-Tu130 Tiny Tenants, Big Impact: Deciphering the Mechanisms Linking Gut Microbes to Invertebrate Physiology | **Alexander Feckler**, RPTU University of Kaiserslautern-Landau, Germany

2.10.P-Tu131 Antiviral Effects on Methane Formation in Freshwater Sediments | **Eric Bollinger**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany

2.10.P-Tu132 Urban Infrastructure Impacts on Freshwater Periphyton Microbiomes: The Aachen Case Study | **Valeria Ascani**, Institute for Environmental Research (IFER), RWTH Aachen University, Germany, Germany

2.10.P-Tu133 Urban Contaminants Affect Microbe Functioning in Freshwater Streams | **Hajar Bourassi**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany

2.10.P-Tu134 Aquatic Bacterial-Fungal Interactions Modulate the Effects of the Biopesticide Kasugamycin on Leaf-Associated Microorganisms | **Thibaut Ponchon**, University of Clermont Auvergne, France

2.10.P-Tu135 Microbial metamorphosis under environmental stress: restructuring of insect-associated microbiomes across life stages in a wastewater-impacted system | **Milena Esser**, McMaster University, Canada

2.10.P-Tu136 Microbial Response Patterns as Predictors of Sediment Contamination Levels in a Korean Coastal (Gyeonggi) Bay | **Junghyun Lee**, Kongju National University, Korea, Republic of

2.10.P-Tu137 Microplastics alters the functional response of the Protozoa Tetrahymena pyriformis | **Ekoja-Smah Faith**, University of Roehampton, London, United Kingdom

2.10.P-Tu138 Single-cell Analysis of Silver Nanoparticles Effects on Natural Phytoplankton Assemblages in Two Pre-alpine Lakes with Contrasting Trophic Status | **Rémy Millet**, University of Geneva, Switzerland

2.10.P-Tu139 Fitness Cost and Community Stability Shape Multidrug-Resistant Bacterial invasion in Freshwater Sediment | **Ana Luisa Mejía Camacho**, Dept. of Biological and Environmental Sciences, University of Gothenburg, Sweden

Terrestrial Biodiversity and Chemical Pollution: Understanding Exposure and Impacts Towards Improving Risk Prevention and Management | Guy Duke, S. Henrik Barmentlo, Susan Oginah, Paola Movalli

2.12.P-Tu140 The Invisible Threat: Tracing Organic Micropollutants Across Diverse European Terrestrial Food Chains Using Cutting-Edge Mass Spectrometry | **Nikolaos Boinis**, National and Kapodistrian University of Athens, Greece

2.12.P-Tu142 Automating Reliable Input Data: The PROVES Python Packages for Chemical Structure and Property Verification in Environmental Modeling | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark

2.12.P-Tu143 A Systematic Workflow for Generating Accurate and Transparent Chemical Input Data for Environmental Modelling | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark

2.12.P-Tu144 Integrated Solutions for Managing Contaminants of Emerging Concern: TerraChem's Approach to Data, Modeling, and Visualization in Terrestrial Ecosystems | **Guy Duke**, Environmental Institute s.r.o., Slovakia

2.12.P-Tu145 Spatially-explicit Impact Assessment of Pesticide-induced Terrestrial Biodiversity Loss | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark

2.12.P-Tu146 Assessing the Temporal and Spatial Distribution of Chemical Exposure via Heavy Metal and Other Element Concentrations in Peregrine Falcon Down Feathers in the Netherlands Using INAA | **Cristina Ruiz González**, Faculty of Applied Sciences, TU Delft, Netherlands

2.12.P-Tu147 Do Gammarids Play a Role in the Transmission of Anticoagulant Rodenticides? | **Julia Regnery**, German Federal Institute of Hydrology (BfG), Germany

2.12.P-Tu148 Impacts of Local and Landscape Factors on Pesticide Residues in Grassy Strips from Contrasting Farming Systems | **Cécile Sulmon**, Université de Rennes, CNRS, ECOBIO (Ecosystèmes, biodiversité, évolution) – UMR 6553, France

2.12.P-Tu149 Agricultural Practices and Landscape Features Drive the Responses to Sublethal Rates of Pesticides in Aphids and Plants from Semi-Natural Agroecosystems | **Cécile Sulmon**, Université de Rennes, CNRS, ECOBIO (Ecosystèmes, biodiversité, évolution) – UMR 6553, France

2.12.P-Tu150 Chemicals in Agricultural Soils in Germany | **Judith Klein**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.12.P-Tu151 Cumulative Risk in Soil | **Judith Klein**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.12.P-Tu152 Earthworm Communities in German Agricultural Soils: Patterns, Drivers and Chemical Risk

| **Fabian Essfeld**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.12.P-Tu153 Tropical Mesocarnivores as Heavy Metal Sentinels in Proximity to Oil Palm Plantations | **Tyler Cuddy**, Cardiff University, United Kingdom

2.12.P-Tu154 Nano-Enhanced Phytoremediation of Cd-Contaminated Soil: ZnO NPs Stimulate Brassica juncea Growth and Stress Tolerance | **Inesa Kniuipytė**, Laboratory of Heat Equipment Research and Testing, Lithuanian Energy Institute, Lithuania

2.12.P-Tu155 Unraveling Soil Interactions and Ecological Risks of Zinc Oxide Nanoparticles and Cadmium | **Inesa Sinkevičiūtė**, Laboratory of Heat Equipment Research and Testing, Lithuanian Energy Institute, Lithuania

2.12.P-Tu156 Removal of emerging contaminants in wastewater treatment: comparison of photosynthetic systems and activated sludge | **Samuel Garcia Garcia**, University of Valladolid, Spain

2.12.P-Tu157 Ecotoxicological Dynamics of Insecticide Resistance in Cotton-Feeding Spodoptera littoralis | **Melis Yalcin**, Aydın Adnan Menderes University, Turkey

Advancing Understanding of Environmental Persistence of Chemicals | Katie Endersby, Anu Maarit Kapanen, Jason Snape, Aina Charlotte Wennberg

3.04.P-Tu158 Persistence Directed Testing of Chemicals in Mixtures | **Heidi Birch**, Technical University of Denmark (DTU), Denmark

3.04.P-Tu159 Assessing fungal derived enzymes for screening biodegradability of plant protection products | **Reiner Yah**, Wageningen University and Research (WUR), Netherlands

3.04.P-Tu160 Exploring the Relationship between Microbial Biodiversity and Pollutant Biodegradation in Rivers | **Joeselle Serrana**, Stockholm University, Sweden

3.04.P-Tu161 What Drives Variability in OECD TG 309 Studies? A Data-Driven Evaluation of 176 Surface Water Simulation Tests | **Marie Collard**, DSM-Firmenich SA, Belgium

3.04.P-Tu162 Round Robin Test to prepare for consolidation of tests for ready biodegradability according to OECD 301/310 | **Ulrich Jöhncke**, German Environment Agency (UBA), Section IV 2.3 Chemicals, Germany

3.04.P-Tu163 Positive Controls for OECD Biodegradability Guidelines: Rethinking Robustness | **Elsa Paiva**, L'Oréal, France

3.04.P-Tu164 Illuminating Persistence Assessment: Environmental Relevance of Light in OECD 309 Testing | **Carolin Ewers**, CFCS-Consult GmbH, Germany

3.04.P-Tu165 Investigating Closed Test Setups and Application Approaches for Biodegradation Testing of a Volatile and Hydrophobic Substance in Surface Water (OECD 309) | **Prasit Shrestha**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.04.P-Tu166 Comparison of OECD 301 & 310 Guideline Studies Regarding Their Capability to Degrade Substances with Limited Bioavailability | **Michael Essers**, LANXESS Deutschland GmbH, Germany

3.04.P-Tu167 In-depth Understanding of Bacterial Communities in OECD 301 Biodegradability Tests : Towards Identifying Key Polymer Degraders | **Guillaume Cottin**, L'Oréal, France

3.04.P-Tu168 Navigating the Unknown: The Critical Need for "Middle-Tier" Persistence Testing | **Guillaume Cottin**, L'Oréal, France

3.04.P-Tu169 Pre-Screening Biodegradability Potential of Chemicals Using an Artificial Bacterial Inoculum | **Guillaume Cottin**, L'Oréal, France

3.04.P-Tu170 How to prioritise - interannual and interlake variability makes UV Filter risk assessment challenging | **Armin Zenker**, University of Applied Sciences and Arts Northwestern Switzerland (FHNW), Switzerland

3.04.P-Tu171 What Are the True Surface Water Half-Lives of Readily Biodegradable Substances? A Case Study on Surfactants | **Takahiro Suzuki**, Safety Science Research, Kao Corporation, Japan

3.04.P-Tu172 Chemical Biodegradability and Persistence Assessment | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

3.04.P-Tu173 Weight of Evidence Evaluation of Persistence for a typical UVCB Substance Using Persistence Assessment Tool (PAT) | **Fola Ogungbemi**, Currenta, Germany

3.04.P-Tu174 The evaluation of the persistence of UVCBs in regulatory testing | **Emma Danby**, Scymaris Ltd., United Kingdom

3.04.P-Tu175 Assessing the Biodegradability of Water-Soluble Polymers: Scientific and Regulatory Perspectives for Safe and Sustainable by Design Innovation | **Katie Endersby**, Unilever, United Kingdom

3.04.P-Tu176 Advancing Fate Assessment: Integrating Biodegradation and Microbial Toxicity Testing | **Katie Endersby**, Unilever, United Kingdom

3.04.P-Tu177 Flow-Cytometric Quantification of Live and Dead Bacterial Cells in Environmental Inocula for Biodegradation Screening Tests | **Kelly Jobling**, Newcastle University, United Kingdom

3.04.P-Tu178 Colony Forming Units in Screening Tests: A Useful Predictor or Non-Informative Parameter? | **Kristina Miller**, Noack Laboratorien, Germany

3.04.P-Tu179 Validating Read-across Analogues Accounting for Metabolic Similarity. Application to Environmental Fate Endpoints | **Hristiana Stoyanova (Ivanova)**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

3.04.P-Tu180 New perspectives for AI-assisted prediction of biodegradability - a status report | **Markus Seyfried**, DSM-Firmenich SA, Switzerland

3.04.P-Tu181 Persistence Assessment of Azo-Dyes Based on Metabolomics Approach | **Ilaria Bruno**, KAHLBERG Consulting S.r.l, Italy

3.04.P-Tu182 Determining Degradation Rates Using OECD 302B Methodology with Concurrent Size Exclusion Chromatography Analysis: Case Study with Modified Celluloses | **Yu Xue**, Ashland Central R&D Team, Netherlands

3.04.P-Tu183 Environmental Emissions and Human Exposure to PBDEs in South Korea using Material Flow Analysis and Multimedia modeling | **Shi-Jin Kim**, Seokyeong University, Korea, Republic of

3.04.P-Tu184 BiSX and BiSX/g-C3N4 (X = Cl, Br, I): Synthesis, Characterization, Photocatalysis of Crystal Violet Dye and Carbon Dioxide | **Yu Yun Lin**, National Taichung University of Education, Taiwan (Greater China)

3.04.P-Tu185 Optimising the Adsorption System for Complex "Produced Water" Treatment: Exploring Mixtures of Sorbents with Variable Properties | **Kasim Sani Musa**, Newcastle University, United Kingdom

3.04.P-Tu186 The Importance of Being Extracted – How the Choice of Extraction Methods impacts Persistence Assessment | **Daniela Classen**, German Environment Agency (UBA), Germany

3.04.P-Tu187 Speciation of Non-extractable residues of pesticides in soil and sediment by 4-pool kinetic analysis | **Xiao (Michael) Huang**, Environaisoft, LLC & Corteva Agriscience, United States

3.04.P-Tu188 Spatial Distribution of PCB 28 and PCB 153 in Deep Oceans Using a Global Multimedia Model | **Vikas Meena**, Indian Institute of Technology Hyderabad, India

3.04.P-Tu189 UV Filter Contamination in Indoor Dust across Residential and Educational Settings | **Irene Navarro**, Center for Energy, Environmental and Technological Research (CIEMAT), Spain

3.04.P-Tu190 Occurrence of Tire Rubber-Derived Compounds in Sewage Sludge from Spanish Wastewater Treatment Plants | **Irene Navarro**, Center for Energy, Environmental and Technological Research (CIEMAT), Spain

3.04.P-Tu191 Biodegradation of Tire Additives by Sludge and River Microbiomes: Impacts of Pretreatment, Seasonality, Co-Substrates, and Microbial Community Shifts | **Göksu Celik**, University of Vienna, Austria

3.04.P-Tu192 Photooxidation of Polluting Oil Slicks: Linking Physical Changes and Chemical Transformations under Simulated Conditions | **Manee Patanapongpibul**, University of Groningen, Netherlands

3.04.P-Tu193 Benzo[a]anthracene Triggers Metabolic Activation and Inflammatory Injury in Human Lung Cells via CYP450 Pathways | **Jia-Jia Tu**, China Medical

University, Taiwan (Greater China)

3.04.P-Tu194 Analysis of Bile as a Biomarker of Abietic Acid Toxicity in Fish | **Carlos Soares**, Federal University of Santa Catarina, CCB, Florianopolis, SC, Brazil

Bridging Science, Regulation, and Remediation on PFAS: Addressing Unknowns and Emerging Challenges | Zhanyun Wang, Simon Gutierrez, Rosalinda Gioia, Ian Cousins

3.05.P-Tu195 A curated PFAS polymer database: data extraction and chemical space mapping | **Lena Manzhynski**, Umeå University, Sweden

3.05.P-Tu196 If Fluoropolymer Production is of Concern, What is its Future? | **Rainer Lohmann**, University of Rhode Island, United States

3.05.P-Tu197 Understanding Fluoropolymers and Their Life Cycle | **Zhanyun Wang**, Empa - Swiss Federal Laboratories for Materials Science and Technology, Switzerland

3.05.P-Tu198 Global Inventory of Fluoropolymer Production Plants and Their Associated Environmental Contamination of Per- And Polyfluoroalkyl Substances (PFASs) | **Anna Miller**, ETH Zurich, Switzerland

3.05.P-Tu200 PFAS Emissions and Fragmentation Pathways During Fluorine-Based DRIE of GeSn Microstructures | **Ira Villinger**, ETH Zurich, Switzerland

3.05.P-Tu201 Removal of Per- and Polyfluoroalkyl Substances (PFAS) From Water Using Superfine Powdered Activated Carbon in Laboratory Batch Tests | **Mélanie Z. Lauria**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

3.05.P-Tu202 PFAS sorption by sewage sludge biochar – influence of wastewater treatment line and pyrolysis residence time on sorbent performance | **Hans Peter Arp**, Norwegian Geotechnical Institute (NGI), Norway

3.05.P-Tu203 Exposure-Led and Preventive PFAS Regulation: Diverging Policy Models and Global Implications | **Adel Malek**, Yordas Group, Canada

3.05.P-Tu204 From Substance-Specific Controls to Class-Based Regulation: The EU Policy Shift on PFAS | **Jude Arokianathar**, Yordas Group, United Kingdom

3.05.P-Tu205 Watch your blindspot: How chemical regulations drive regrettable substitutions | **Ola Dosunmu**, Lancaster University, United Kingdom

3.05.P-Tu206 Ensuring Safety in PFAS Replacement: Chemical Stability and New Product Formation in Plasma-Processed Bio-Based Coatings for Textiles | **Xiaoyu Zhang**, Flemish Institute for Technological Research (VITO); University of Antwerp (UA), Belgium

3.05.P-Tu207 Closing the PFAS Mass Balance - Multi-Approach Data Processing for Enhanced Workflows | **Ruth Marfil-Vega**, Shimadzu Scientific Instruments, USA

3.05.P-Tu208 Transcriptomic Benchmark Dose-Derived Human Equivalent Doses Following Subacute and Subchronic PFOA Exposure in Mouse Liver | **Ivana Ivelja**, University of Novi Sad, Serbia

Emerging Chemical and Microbial Threats to Drinking Water Quality: Identification, Prioritization and Risk assessment | Dominique Narain-Ford, Heike Schmitt, Annemarie van Wezel, Thomas L. ter Laak

3.08.P-Tu209 Identification and Prioritisation of Emerging Pollutant Sources Using AI and GIS to Protect Drinking Water Wells | **Shaya Algoe**, Sweco, Department of Environmental Consultancy, Netherlands

3.08.P-Tu210 Characterization of thyroid hormone-replacing activity in surface water using effect-directed analysis. | **Jaimy de Schepper**, Het Waterlaboratorium, Netherlands

3.08.P-Tu212 Odour Deviations in Drinking Water Induced by Pressure Changes in the Distribution Network | **Zoë Mol**, Ghent University, Belgium

3.08.P-Tu213 Toxicity Prediction from MS2 Fingerprints to Support Feature Prioritization in Non-Target Screening | **Miina Yanagihara**, KWR Water Research Institute, Netherlands

3.08.P-Tu214 Sample preparation determines chemical characterization and in vitro responses in water sources for drinking water supply | **Victoria Osorio**, ONHEALTH, IDAEA-CSIC, Spain

3.08.P-Tu215 In silico toxicity assessment of data-poor substances migrating from polymer-based drinking water distribution materials | **Brook F. Ashcraft**, Institute for Risk Assessment Sciences (IRAS), Utrecht University; KWR Water Research Institute, Netherlands

3.08.P-Tu216 Migration of organic compounds from rubber materials in contact with water and their safety evaluation as water contact materials | **Ana Isabel Penetra**, ADP, Portugal

3.08.P-Tu217 Impact of Emerging Pollutants and Associated Health risks for Antibiotic-Resistant Bacteria and Resistance Genes in Urban Rivers | **Bhawana Choudhary**, Indian Institute of Technology, India

Environmental Forensics: Tracking Sources and Evaluating the Effects of Chemicals in Urban and Other Environments | Matt Dodd, Tessa E. Pronk, Thomas L. ter Laak, Mark Maboeta

3.09.P-Tu219 Searching for unknown PFAS sources, a comparison between domestic and industrial wastewater in the Netherlands. | **Erwin Roex**, KWR Water Research Institute, Netherlands

3.09.P-Tu220 Microplastic Contamination Pathways in The Semi-Enclosed Freshwater Basin of Lake Como, Italy | **Antonio Di Guardo**, University of Insubria, Italy

3.09.P-Tu221 A Systematic Comparison of Cryogenically Milled Tyre Tread (CMTT) and Tyre and Road Wear Particles (TRWP) and the Implications of Using CMTT for Environmental Studies. | **Harriet Byrne**, Helmholtz Center for Environmental Research (UFZ), United Kingdom

3.09.P-Tu222 Evaluation of the Spatial Distribution of Microplastics Mass Concentrations in Air at a Regional Level by Means of Tree Leaves as Passive Samplers and PY-GC-MS | **Antonio Di Guardo**, University of Insubria, Italy

3.09.P-Tu223 Environmental exposure to tire-related pollutants in outdoor artificial turf sport centers | **Alberto Celma**, Swedish University of Agricultural Sciences (SLU), Sweden

3.09.P-Tu224 Monitoring and Speciation of Road Dust Contaminants in a Perialpine French Lake | **Zoé Arrigoni**, EDYTEM - CARRTEL, France

3.09.P-Tu225 Microbial Community Adaptation Enhances Biodegradation of Tire-Wear-Derived Contaminants in Urban Roadside Soils | **Xiangyu Ji**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.09.P-Tu226 A multi-tier ecotoxicological assessment : strengthening waterbodies evaluation through in vivo, in vitro and in situ ecotoxicity tools. | **Yves Marneffe**, Scientific Institute of Public Service (ISSeP), Belgium

3.09.P-Tu227 Microbial fingerprints as forensic tools for unraveling chronic versus acute agrochemical exposure in agricultural soils | **Diego Gabriel Much**, National Scientific and Technical Research Council (CONICET), Argentina

3.09.P-Tu228 Presence and Fate of Chemicals associated with Biosolid Application to Land to Groundwater: Current Evidence and Knowledge Gaps | **Sarah Roberts**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom

3.09.P-Tu229 Tracking chromium sources in a water supply reservoir in Cape Breton, Nova Scotia, Canada: Implications for watershed and reservoir management | **Ian Spooner**, Acadia University, Canada

3.09.P-Tu230 Unveiling Hidden PFAS: Thermal Transformation of PVDF Binders During Lithium-ion Battery Recycling | **Yuxin Wang**, Binghamton University, United States

3.09.P-Tu231 Heavy Metal Contamination in Urban Aerosols of Dhaka: Implications for Air Quality | **Mir Md. Mozammal Hoque**, Mawlana Bhashani Science and Technology University, Bangladesh

3.09.P-Tu232 Effects of different climatic conditions on metals from soils collected from waste disposal sites | **Mark Maboeta**, North-West University, South Africa

3.09.P-Tu233 Assessing Metal Contamination and Ecological Risk in Vineyard Soils of Western Cape, South Africa | **Krishna Gautam**, North-West University, South Africa

3.09.P-Tu234 Distribution of Potentially Toxic Elements in Sediments in Select Rivers and Creeks in Calgary, Canada | **Matt Dodd**, Royal Roads University, Canada

3.09.P-Tu235 Pollution Sources of PCBs, HCHs, and PFASs and Potential Risks of Soil Pollution | **Naila Hina**, ETH Zurich, Switzerland

3.09.P-Tu236 Combined laboratory and field evidence of neurotoxicity induced by metal(loid) mixtures and nanoparticles from metallurgical particulate matter | **Marisa Fernandes**, UFSCar, Brazil

Experimental, Modelling, and Monitoring approaches to assess the Environmental Fate and Exposure of Pesticides | Bernhard Jene, Joachim Dayteg, Pauline Iris Adriaanse

3.10.P-Tu238 Comparison of Different Approaches to Simulate Runoff and Erosion for Use in Spatially Explicit Models | **Robin Sur**, Bayer AG Division Crop Science, Germany

3.10.P-Tu239 Revision of the Aged-Sorption Guidance Document | **Sevil Payvandi**, Syngenta, United Kingdom

3.10.P-Tu240 Experiences with the EFSA/ECHA Water Treatment Guidance | **Mike Swift**, Corteva Agriscience, United Kingdom

3.10.P-Tu241 Catchment-based Pesticide Vulnerability Mapping: Contextualizing Surface Water Monitoring Using two Methods in Flanders (BE) | **Liesa Brosens**, Flemish Institute for Technological Research (VITO), Belgium

3.10.P-Tu242 A Proposal for Harmonized Gathering of EU Surface Water Monitoring Data of Plant Protection Products | **Dirk Liss**, Bayer AG, Germany

3.10.P-Tu243 Identification of Pesticides Along the Flyway: The First Step in a Risk Assessment for the Black Tailed Godwit | **Bárbara Righetto**, Wageningen University and Research (WUR), Netherlands

3.10.P-Tu244 Fate of Nitrification Inhibitors DMPP and Nitrapyrin in Agricultural Soils – Combination of Lab and Field Study | **Ulla Bollmann**, GEUS, Denmark

3.10.P-Tu245 Sorption and transformation of metazachlor and its metabolites in soils and their potential to contaminate groundwater | **Vit Kodes**, Czech Hydrometeorological Institute, Czech Republic

3.10.P-Tu246 Influence of Groundwater Flow Rate on Organic Micropollutant Biodegradation in Drinking Water Aquifers | **Merel Nederend**, Wageningen University and Research (WUR), Netherlands

3.10.P-Tu247 Exploring the Leaching Dynamics of Aged Residues of Atrazine in Soils: Effects of Temperature and Flow Rate | **Valérian zeender**, Agroscope, Switzerland

3.10.P-Tu248 Environmental Fate of a Starch Nanocrystal Formulation for a Bacillus thuringiensis Biopesticide | **Venla Heininen**, Institute of Bio- and Geosciences (IBG-3: Agrosphere), Forschungszentrum Jülich; Institute of Crop Science and Resource Conservation, University of Bonn, Germany

3.10.P-Tu249 Modelling Airborne Pesticide Spray Drift for Orchard Sprayers | **Huifang Deng**, Wageningen University and Research (WUR), Netherlands

3.10.P-Tu250 Enhancing Spray Drift Assessment: Integration of Vertical Drift Distribution in the Casanova Drift Model for Non-Target Organisms Risk Evaluation | **Zhenglei Gao**, Bayer CropScience AG, Germany

3.10.P-Tu251 From 2D to 3D: using models to increase realism in exposure assessment of NTTO | **Rena Isemer**, Bayer CropScience AG, Germany

3.10.P-Tu252 Land Surface and Pesticide Transport Modelling | **Ali Sadrzadeh**, Institute of Bio- and Geosciences (IBG-3, Agrosphere), Forschungszentrum Jülich (FZJ), Germany

3.10.P-Tu253 Advancing Precision Application Modelling: Development of a Patch Generator for Realistic Infection Pattern Simulation | **Mike Fuchs**, RPTU University of Kaiserslautern-Landau, Germany

3.10.P-Tu254 Predicting Photodegradation of Pesticides in Swedish Waters: Validation of a Mechanistic Model | **Luana de Brito Anton**, Stockholm University, Sweden

3.10.P-Tu255 A Higher-Tier Approach: Kinetic Evaluation of Laboratory Water/ Sediment Studies at P-II Level | **Kristina Hoffmann**, knoell Germany GmbH, Germany

3.10.P-Tu256 Identifying Model Parameter Hierarchies in FOCUS STEP 3 | **Dimitrios Skodras**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.10.P-Tu257 VERBER, a Catchment Scale Pesticide Risk Assessment Model for Surface Waters in Sweden | **Anna Lindahl**, Swedish University of Agricultural Sciences, Sweden

3.10.P-Tu258 A Framework for Coupling SWAT+ Watershed Models with High-Resolution Stream Networks in xAquatic | **Sebastian Multsch**, BASF, Germany

3.10.P-Tu259 Mapping Crop Development as Function of Calendar Date Across the EU for Use in the EU Regulatory Framework | **Mechteld ter Horst**, Wageningen University and Research (WUR), Netherlands

3.10.P-Tu260 Data Availability and Quality Considerations when Collating and Harmonising EU Environmental Monitoring Data for Regulatory Purposes | **Gregory Hughes**, GeoSpatial Analytics, United Kingdom

3.10.P-Tu261 Inventory and Characterisation of Chemical Monitoring Data across the EU | **Gregory Hughes**, GeoSpatial Analytics, United Kingdom

3.10.P-Tu262 Assessment of Pesticide Contamination in Dust from Quebec Residences based on a Method Adapted to Large-Scale Studies | **Camille Pernet**, Université de Sherbrooke, Canada

3.10.P-Tu263 Monitoring of airborne pesticide transport and deposition in selected sampling sites in Germany between March and September 2025 | **Benedikt Ringbeck**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.10.P-Tu264 Overcoming Phytotoxicity in Honey Studies: Insights from past Herbicide Tunnel Trials | **Silvio Knaebe**, Eurofins Agroscience Services US, Germany

3.10.P-Tu265 Method Development and Determination of Pesticides in Residential Soils to Assess Human Exposure in Rural Areas of Québec, Canada | **Alexandre Gagnon**, Université de Sherbrooke, Canada

3.10.P-Tu266 Pesticides in private and community gardens | **Klára Šmídová**, RECETOX, Masaryk University, Czech Republic

3.10.P-Tu267 A triad approach to assess the cocktail effect in surface water: a case study on the Mehaigne River (Wallonia, Belgium). | **Delphine Leroy**, Scientific Institute of Public Service (ISSeP), Belgium

3.10.P-Tu268 Insecticide Bans Drive Declines in Aquatic Toxicity: Insights from 16 Years of Monitoring in Sweden | **Kajsa Weslien**, Swedish University of Agricultural Sciences (SLU), Sweden

3.10.P-Tu269 Collection of Sediment Data in Small Edge-of-field Watercourses and Ponds at the EU-FOCUS Scenarios Locations for use in Pesticide Registration | **Wim Beltman**, Wageningen University and Research (WUR), Netherlands

3.10.P-Tu270 Spatial analysis of vulnerability of agricultural lands to surface runoff in Europe | **Sebastian Multsch**, BASF, Germany

3.10.P-Tu271 Comparison of FOCUS Step 4 simulations using the updated SWAN-VFSMOD scenarios with standard fixed reduction efficiencies according to FOCUS Landscape | **Stefan Reichenberger**, knoell France SAS, France

3.10.P-Tu272 Challenges in applying the joint ECHA & EFSA water treatment guidance document for plant protection products | **Vera Papasova**, Environmental Resource Management (ERM), United Kingdom

3.10.P-Tu273 Integrating slow-release behaviour of encapsulated plant protection products into EU regulatory leaching assessment: Current knowledge and regulatory challenges | **Xin You**, Bayer AG, Germany

3.10.P-Tu274 Bringing Rice Cultivation Practices into Environmental Risk Assessment | **Patricia Lopez-Mancisidor Romero**, Corteva Agriscience, Germany

3.10.P-Tu275 French Regulatory Feedback on EFSA Guidance for Predicting Environmental Concentration of Plant Protection Products in Soil: Impact Assessment of Variations in Substance-Specific Input Parameters | **Arnaud Conrad**, French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France

3.10.P-Tu276 Environmental Safety Considerations in EFSA's Statement of Chitosan and Chitosan Hydrochloride for Plant Protection Use | **Roberto Lava**, European Food Safety Authority (EFSA), Italy

3.10.P-Tu277 Drinking Water Residue Testing: The Validation of A Positive Control Substance to Support Water Treatment Studies | **Pamela More**, Charles River Laboratories, United Kingdom

3.10.P-Tu278 Novel 8-µl Blood Micro Sampling Followed by LC-MS and GC-MS Analysis Shows Low Levels of Pesticides in Farmland Birds from Sweden | **Ove Jonsson**, Swedish University of Agricultural Sciences (SLU), Sweden

3.10.P-Tu279 Neonicotinoid residues in migratory birds from a key stopover site in South Korea | **Mina Do**, Korea Institute of Science and Technology, Korea, Republic of

3.10.P-Tu280 Integrating Chemical Diversity and Matrix Complexity: A Validated LC-MS/MS Multiresidue Framework for Realistic Exposure Assessment | **Aymeric Bellemain**, Rovaltain Research Staphyt, France

3.10.P-Tu281 Metabolomic Analysis and Biochemical Analyses in Plasma, Gonads, and Livers of Fish Exposed to Bentazone | **Carlos Soares**, Federal University of Santa Catarina, Brazil

3.10.P-Tu282 From sample to cell: Decoding Glyphosate exposure through and integrated platform | **Gabriel Henrique Savietto**, University of São Paulo, Brazil

3.10.P-Tu283 Optimized and Validated Novel SULLE-LC-MS/MS Method for the Determination of Neonicotinoids in Honey Samples | **Robert Cholewa**, University of Gdańsk, Poland

Integrating Genomics, Metabolomics, and Control Strategies to Address Harmful Algal and Cyanobacterial Blooms | Petra Visser, Dail Laughinghouse, Anastasia Hiskia, Triantafyllos Kaloudis

3.16.P-Tu284 Mass Spectrometry Query Language (MassQL) - Driven Pipeline for Comprehensive Detection of Structurally Diverse Cyanopeptides in Environmental Datasets. | **Sofia Iliakopoulou**, Institute of Nanoscience & Nanotechnology, NCSR Demokritos, Greece

3.16.P-Tu285 Chemodiversity of Microginins and Aeruginosins in Greek Freshwater Bodies: Elucidation of Novel Linear Peptides | **Sevasti-Kiriaki Zervou**, Institute of Nanoscience and Nanotechnology, NCSR "Demokritos", Athens, Greece, Greece

3.16.P-Tu286 Grazer pressure and its influence on growth and toxin dynamics in harmful algae: insights from copepod interactions | **Wenxin Liu**, Ghent University, Belgium

3.16.P-Tu287 Cyanobacteria Blooms in Shallow Urban Ponds: Insights from Seasonal and Bi-Monthly Sampling in 20 Ponds in Brussels (Belgium) | **Laure Roman**, Université Libre de Bruxelles (ULB), Belgium

3.16.P-Tu288 Diversity, Toxicity, and Chemical Characterization of Marine Benthic Cyanobacterial Mats from Florida Coastal Ecosystems | **Dail Laughinghouse**, University of Florida, United States

3.16.P-Tu289 Monitoring Harmful Algae Blooms In Ecuador: Challenges And Search For Solutions | **Christine Van der heyden**, University of Applied Sciences and Arts HOGENT, Belgium

3.16.P-Tu290 Non-Targeted Analysis Based on High-Resolution Mass Spectrometry for the Simultaneous Detection of Cyanotoxins and Synthetic Emerging Pollutants in Water Reservoirs | **Angelika-Ioanna Gialleli**, AquOmixLab, Athens Water Supply & Sewerage Company (EYDAP SA), Greece

Integrating Polymer Analytics, Plastic Additives, and Micro/Nanoplastics for Risk Assessment and Regulation | Maria Vittoria Barbieri, Laszlo Majoros, Friederike Luenne, Miguel Oliveira

3.17.P-Tu291 Evaluating microplastic particles as vectors of exposure for plastic additive chemicals using a food web model | **Todd Gouin**, TG Environmental Research, United Kingdom

3.17.P-Tu292 Understanding Human Exposure to Plastic Additives – A Systematic Review Protocol | **Lara Cioni**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.17.P-Tu293 Temporal Patterns of Bisphenol Exposure in the Czech Population Within the Framework of Regulatory Measures | **Daria Sapunova**, RECETOX, Masaryk University, Czech Republic

3.17.P-Tu294 Beyond Small Molecules: Adsorption Behavior of High-Molecular-Weight Polymers in Soil | **Sebastian Schmiedt**, Eurofins Agroscience Services, Germany

3.17.P-Tu295 Applicability of OECD Test Guideline 120 to Various Polymers: A Comparative Evaluation and Practical Guidance | **Friederike Luenne**, BASF, Germany

3.17.P-Tu296 From Calibration to Compliance - Addressing Analytical Gaps in Size Exclusion Chromatography of Polymers | **Jana Falkenhagen**, Federal Institute Materials Research and Testing (BAM), Germany

3.17.P-Tu297 A Sandboxing Experiment: What if there were no Guidelines to Assess the Solubility of Polymers? | **Joachim Venzmer**, Evonik Operations GmbH, Germany

3.17.P-Tu298 Uncertainty in SEC: Round Robin Test with Real-Life Polymer Samples | **Timo Beskers**, BASF, Germany

3.17.P-Tu299 Investigating the use of Hansen Solubility Parameters for Grouping of Polymers for REACH Registration | **Helen Disley**, Vitis Regulatory, United Kingdom

3.17.P-Tu300 Integrating Safe and Sustainable by Design Criteria for Regulatory Assessment of Emerging Biopolymers in Packaging Applications | **Javier Alcodori**, ITENE Research Centre, Spain

3.17.P-Tu301 Pitfalls of Ambiguity in the Development of Safe and Sustainable Biobased Plastics: How Can Industry and Regulators Better Navigate this Landscape? | **Fiorella Pitaro**, Empa - Swiss Federal Laboratories for Materials Science and Technology, Switzerland

3.17.P-Tu302 Are bioplastics safer: An in vitro approach | **Miguel Oliveira**, University of Aveiro, Portugal

3.17.P-Tu303 Biopolymers: Ecotoxicological Risks of Micro and Nanoplastics Aquatic Organisms | **Miguel Oliveira**, University of Aveiro, Portugal

3.17.P-Tu304 Understanding Life-Stage Susceptibility to Biodegradable Nanoplastics: A Case Study in Hediste diversicolor | **Miguel Oliveira**, University of Aveiro, Portugal

3.17.P-Tu305 Synthesis of Metal-Embedded Nanoplastics as Test Materials and Quantification by spICP-MS | **Hyojung Choi**, Gwangju Institute of Science and Technology (GIST), Korea, Republic of

3.17.P-Tu306 Nanoplastics in agriculture: ingestion and impacts on arthropods in food webs | **Michael Peter Meissle**, Agroscope, Switzerland

3.17.P-Tu307 Assessment of Nanoplastic Pollution in Aquatic Systems from Wastewater Sources in Eastern Germany | **Neha Parashar**, Helmholtz Center for Environmental Research (UFZ), Germany

3.17.P-Tu308 Ultra-sensitive quantification of mixed nanoplastic particles from environmental water samples through magnetic enrichment using custom-designed bifunctional peptides | **Marisa Sárria Pereira de Passos**, RWTH Aachen University, Germany

3.17.P-Tu309 Physiological and Compositional Effects of Poly(3-Hydroxybutyrate) and Polymethyl Methacrylate (PMMA) Nanoplastics in Invertebrates | **Mário Araújo**, CIIMAR, Portugal

3.17.P-Tu310 Flow Cytometry as a Non-Destructive Tool for Detecting Micro- and Nanoplastics in Complex Biological Samples | **Inês Santos**, Zuyderland Medical Center; Open University, Netherlands

3.17.P-Tu311 Museum Foraminifera Archive Historical Marine Plastic Pollution | **Elvis Genbo Xu**, University of Southern Denmark, Denmark

3.17.P-Tu312 Temporal variability and risk assessment of microplastics in surface water from a coastal lagoon, southern Gulf of Mexico | **Mitzi Ariadna Sánchez Campos**, National Autonomous University of Mexico (UNAM), Mexico

3.17.P-Tu313 Microplastic-Biofilm as Hotspots for Antibiotic Resistance in Hospital Wastewater: An Emerging Environmental Health Concern | **Ting Zhang**, Ghent University, Belgium

3.17.P-Tu314 Screening Level Environmental Risk Assessment of Microplastics in Dutch Waters | **Joris Quik**, National Institute for Public Health and the Environment (RIVM), Netherlands

3.17.P-Tu315 Toxicological Interactions Between Polystyrene Microplastics and Coastal Pollutants in the Marine Bivalve Crassostrea gigas | **Hoon Choi**, Korea Resrach Institute of Ships & Ocean Engineering, Korea, Republic of

3.17.P-Tu316 Analyzing the Effect of UV-C Exposure on the Microplastics Particles from Wind Turbine Blades | **Firdha Cahya Alam**, Aalborg University, Denmark

3.17.P-Tu317 Monitoring the Release of Plastic Chemical Additives from Conventional and Biodegradable Microplastics using Outdoor Mesocosms | **Paula Redondo-Hasselerharm**, IMDEA Water Institute, Spain

3.17.P-Tu318 Influence of Combustion Scale on Size-Resolved PAH Emissions and Cytotoxicity from Polystyrene Fires | **Chia-Ho Tung**, China Medical University, Taiwan (Greater China)

3.17.P-Tu319 Combustion-Generated Phthalates and PAHs from Polypropylene: Size-Dependent Chemical Profiles and Lung Cell Toxicity | **Han-Hsiang Lin**, China Medical University, Taiwan (Greater China)

3.17.P-Tu320 The Trojan Horse: Exploring Release of Chemicals from Plastics into the Ocean | **Jiazhe Chen**, Peking University, China (Mainland)

3.17.P-Tu321 Endocrine disruptive potential of a new bisphenol A substitute DD-70 | **Nataša Milić**, University of Novi Sad, Serbia

3.17.P-Tu322 Persistent Organic Pollutant Signatures in Cory's Shearwater Exposed to Plastic Ingestion | **Juan Muñoz-Arnanz**, Institute of Organic Chemistry - Spanish National Research Council (IQOG-CSIC), Spain

3.17.P-Tu323 Distribution Characteristics and Risk Assessment of Phthalic Acid Esters in Groundwater from Hetao Irrigation District | **Gaofeng Zhao**, Chinese Academy of Agricultural Sciences (CAAS), China (Mainland)

3.17.P-Tu324 Tire wear particles (TWPs) as a vector for chemicals from urban environments | **Claudia Halsband**, Akvaplan-NIVA, Norway

3.17.P-Tu325 Quantification of Tyre Wear PM10 Microplastics From Recycled Rubber Flooring With Pyrolysis-Gas Chromatography Coupled With Mass Spectrometry (Py-GC-MS) | **Daniel Rozúa**, Institute of Environmental Assessment and Water Research, Spanish Research Council, Spain

3.17.P-Tu326 Trace elements in plastics – an environmental case study of sorption and release | **Tristan Zimmermann**, Helmholtz-Zentrum Hereon, Germany

3.17.P-Tu327 Assessing the Environmental Persistence of Commercial Phenolic Antioxidants | **Cleo Soldini**, University of Zurich, Switzerland

3.17.P-Tu328 Analysis of Antioxidants and UV Absorbers in Forty-Four Recycled Plastic Pellets | **Naohide SHINOHARA**, National Institute of Advanced Industrial Science and Technology, Japan

PFAS in Terrestrial & Aquatic Ecosystems: Advances in Understanding of Fate and Effects | Elma Lahive, Emma Pemberton, Thomas Miller

3.20.P-Tu329 Evaluation of the CTC PAL RSi online SPE system for PFAS analysis in environmental water matrices | **Sara Beverley**, Waters Corporation, United Kingdom

3.20.P-Tu330 Sustained Accuracy in PFAS Analysis: Robust Instrument Performance for Environmental Monitoring | **Aron Dekkers**, Waters Corporation, United Kingdom

3.20.P-Tu331 Simulation-based Evaluation of Long-term Trends in Environmental PFOS and PFOA Concentrations Across Japan Using the Multimedia Fate Model (G-CIEMS) | **Yoshitaka Imaizumi**, National Institute for Environmental Studies (NIES), Japan

3.20.P-Tu332 Environmental Fate and Effects of Low Molecular Weight Perfluoropolyether (PFPE) fluids: a Weight of Evidence approach | **Eleonora Simonini**, Syensqo, Italy

3.20.P-Tu333 PFAS enrichment in the surface microlayer and lake foam: a multi-lake study in the Finger Lakes of NY | **Yuxin Wang**, State University of New York at Binghamton, United States

3.20.P-Tu334 Tracing PFAS in Lake Como Basin: from WWTPs to Rivers and The Lake | **Antonio Di Guardo**, University of Insubria, Italy

3.20.P-Tu335 Assessing Multiple PFAS Collectively: Insights from a Scenario-Based Analysis using Multimedia Exposure Model | **Monami Kondo**, National Institute of Advanced Industrial Science and Technology, Japan

3.20.P-Tu336 Flushed Through the System: A Sub-Kilometer Investigation of PFAS Pathways from Urban Rivers to Coastal Waters | **Helen Burke**, Dublin City University (DCU), Ireland

3.20.P-Tu337 PFAS Partitioning in the Mississippi River | **Alison Ling**, University of St Thomas, United States

3.20.P-Tu338 A 25-year study of the presence of PFAS in wild little penguins (Eudyptula minor) from around Sydney, Australia | **Jorge Lejo-Santiago**, University of A Coruña, Spain

3.20.P-Tu339 Evaluation of PFAS in Higher Trophic Level Bird Eggs | **Christopher McCarthy**, Jacobs, USA

3.20.P-Tu340 Integrated monitoring and toxicological assessment of PFAS in aquatic ecosystems: Human exposure risks in UK and Spanish populations and insights from cellular bioenergetic profiling | **Eva Junque**, University of Birmingham, United Kingdom

3.20.P-Tu341 Toxicological Assessment of PFOA and PFOS in a Bottlenose Dolphin Fibroblast Cell Line | **Marianna Pauletto**, University of Padova, Italy

3.20.P-Tu342 Influence of DOC and Microplastics on PFAS Bioavailability and Ecophysiological Effects on Zebrafish (Danio rerio) Embryos | **Alexander Pape**, University of Turku, Finland

3.20.P-Tu343 Assessing the Toxicity of PFAS to Enchytraeus crypticus – Can Compound Structure be Used to Classify Relative Toxicity? | **Emily Eagles**, UK Centre for Ecology & Hydrology, United Kingdom

3.20.P-Tu344 Multigeneration toxicity and accumulated adverse effects of perfluoro(4-methyl-3,6-dioxaoctane) sulfonate in daphnia magna. | **Gisu Park**, KIST-EUROPE, Germany

3.20.P-Tu345 Early-Life Transcriptomic Disruptions in Zebrafish Exposed to GenX, NBP2, PFOS, and their Mixture Reveal Chemical- and Dose-Specific Neurodevelopmental toxicity | **Shaloo Singh**, CSIR - Indian Institute of Toxicology Research, India

3.20.P-Tu346 From Farm to Table: Field and Laboratory Insights into Bioconcentration, Uptake Kinetics, and Consumer Risk of Per- and Polyfluoroalkyl Substances in Kelp | **Justin Sankey**, University of Rhode Island - Graduate School of Oceanography, United States

Pharmaceuticals in the Environment – Innovations in Risk Assessment, Regulation, and the Science Globally | John Wilkinson, Todd Davidson, Gerd Maack, Dean Leverett

3.21.P-Tu347 A Step Towards Understanding the Global Environmental Distribution of Aquatic Exposure from Consumer and Institutional Pharmaceutical Usage | **Christopher Holmes**, Applied Analysis Solutions LLC, United States

3.21.P-Tu348 Case study on the significance of persistent and mobile pharmaceutical active substances in drinking water from bank filtrate – against the backdrop of the Urban Waste Water Treatment Directive | **Ursula Karges**, IWW Water Research Institute, Germany

3.21.P-Tu349 Environmental Occurrence and Antimicrobial Resistance Potential of Carbapenems – Last-Resort Antibiotics | **Vaidotas Kisielius**, Aarhus University, Denmark

3.21.P-Tu350 State of Pharmaceutical Pollution in Italian Waters and Estimation of the Load Discharged from Rivers into Coastal Waters | **Stefano Polesello**, Istituto di Ricerca sulle Acque, CNR, Italy

3.21.P-Tu351 A Pragmatic Approach to Determine Rapid Degradability of Cosmetic and Pharmaceutical Substances Under the European Union's Urban Wastewater Treatment Directive | **Sagar Thakali**, Kenvue, United States

3.21.P-Tu352 Photocatalytic removal of aqueous PPCPs with In(OH)3-InVO4 modified carbon nitride | **Xin Zhu**, Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, China (Mainland)

3.21.P-Tu353 Distribution and Ecological Risk Evalu-

ation of Pharmaceuticals in Catalonian Rivers (Spain) | **Maria Olivella-Martí**, School of Engineering, Institut Químic de Sarrià-Universitat Ramon Llull, Spain

3.21.P-Tu354 Can Bioaccumulation Screening Based on Log KOW Associated with the Neutral-Only Forms for Ionizable Substances Drive Unnecessary Fish Testing? | **Sagar Thakali**, Kenvue, United States

3.21.P-Tu355 Assessing the Environmental Fate of a New Promising Antimicrobial Peptide | **Owen Daniel**, Sorbonne University, France

3.21.P-Tu356 Challenges of pH adjustment of toxicity tests for ionisable pharmaceuticals | **Rebecca Brown**, wca environment Ltd., United Kingdom

3.21.P-Tu357 pH-Dependent Toxicity of the Ionisable Pharmaceutical Ibuprofen in Aquatic Environments | **Sefi Butler**, Reckitt Benckiser Group PLC, United Kingdom

3.21.P-Tu358 Innovating Aquatic Toxicology: Lessons Learned from a Novel Full Life Cycle Fish Study | **Sarah Dore**, Reckitt Benckiser Group PLC, United Kingdom

3.21.P-Tu359 Ecotoxicological Impacts of the Painkiller Indomethacin on Procambarus clarkii: Tissue-specific Cytotoxic and Oxidative Responses | **Alessandra Maganza**, The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy

3.21.P-Tu360 Consumption of Microalgae Exposed to Diclofenac Affects the Survival and Reproduction in the Cladoceran Ceriodaphnia dubia | **Fernando Martínez-Jerónimo**, Instituto Politécnico Nacional, Escuela Nacional de Ciencias Biológicas, Mexico

3.21.P-Tu361 Temperature Affects the Toxicity of Amoxicillin in Microcystis aeruginosa and Modifies the Toxigenicity of This Cyanobacterium | **Fernando Martínez-Jerónimo**, Instituto Politécnico Nacional, Escuela Nacional de Ciencias Biológicas, Mexico

3.21.P-Tu362 Cytostatic pharmaceuticals: from regulatory dossiers to real ecotoxicity data | **Alejandra Pérez-Vázquez**, KREATiS, France

3.21.P-Tu363 Ecotoxicological Effects of Natural Antimicrobial Terpineol on Soil Bioindicators and Microbial Communities | **María Rosa Pino Otín**, San Jorge University, Spain

3.21.P-Tu364 Enhanced Ecotoxicity of Synergistic Antibiotic and Natural Compound Combinations: An Aquatic Outlier | **María Rosa Pino Otín**, San Jorge University, Spain

3.21.P-Tu365 Ecotoxicological Effects of a Thymol–Chloramphenicol Synergistic Antimicrobial Combination on Daphnia magna and River Microbial Communities | **María Rosa Pino Otín**, San Jorge University, Spain

3.21.P-Tu366 Ecotoxicological Assessment of Synergistic Antimicrobial Combinations of Antibiotics with Tannic Acid (SACTA) and Nerol (SACNE) on Aquatic Bioindicators and River Microbial Communities | **María Rosa Pino Otín**, San Jorge University, Spain

3.21.P-Tu367 A Cocktail a Day Keeps the Doctor Away – How to Consider Potential Additive Mixture Toxicology within Veterinary Pharmaceutical Legislation | **Louis-Marvin Sander**, German Environment Agency (UBA), RWTH Aachen University, Germany

3.21.P-Tu368 The Missing Pieces for a Monography System – Prioritizing Substances for Pharmaceutical Environmental Risk Assessment | **Louis-Marvin Sander**, German Environment Agency (UBA), RWTH Aachen University, Germany

3.21.P-Tu369 Application of Toxicogenomics in Ecotoxicological Model Organisms for Monitoring Pharmaceutical Residues as Relevant Trace Compounds in Aquatic Environments | **Melina Schöpker**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.21.P-Tu370 A Novel Secondary Poisoning Model for Pharmaceutical Bioaccumulation in Aquatic, Terrestrial, and Hybrid Food Webs | **Charlie Davey**, Radboud University, Netherlands

3.21.P-Tu371 K drugs: Eco/genotoxicological Characterization of the synthetic Cannabinoid MDMB-4en-PINACA | **Gabriely Groto Militão**, State University of Campinas (UNICAMP), Brazil

3.21.P-Tu372 Environmental Risk Assessment of Generic Human Pharmaceuticals | **Martin Bowyer**, Blue Frog Scientific Limited, United Kingdom

3.21.P-Tu373 Should Peptide-Based Radioligand Therapeutics be Exempt from an Environmental Risk Assessment under the EMA Guideline for Human Medicinal Products? | **Gemma Janer**, Novartis Pharma, Spain

3.21.P-Tu374 Environmental Risk Assessment of the New Pharmaceutical Imlunestrant, a Selective Estrogen Receptor Degrader | **Michael Lee**, Eli Lilly and Company, United States

3.21.P-Tu375 Environmental Risk assessment of Pharmaceuticals in river catchment areas – case study of Latvia | **Ieva Putna-Nimane**, Latvian Institute of Aquatic Ecology, Latvia

3.21.P-Tu376 Addressing Public Data Deficiency: Evaluation of AI-Tool "TRIDENT" for the Generation of Ecotoxicological Data in Context of Pharmaceutical Environmental Risk Assessment (Art. 57(2) EC No. 726/2004) | **Louis-Marvin Sander**, German Federal Environmental Agency, Germany

3.21.P-Tu377 Too Safe for Comfort? Examining the Conservatism in Sediment Risk Assessment of APIs | **Irene Bramke**, AstraZeneca, Netherlands

3.21.P-Tu378 A Scientifically Robust and Regulatory Critical Fish Full Life Cycle Study with Ibuprofen: Fulfilling Chronic Toxicity Data Gaps to Support Informed Environmental Risk Assessment | **Jonathan Burke**, Reckitt Benckiser Group PLC, United Kingdom

Navigating and Harnessing Complexity in Ecological Risk Assessment of Chemicals | Nika Galic, Bram van de Straat, Bas Buddendorf, Alberto Linguadoca

4.10.P-Tu380 Airbone particules and urban agriculture : optimization of health risk assessment | **Sarah Boitelle**, Université de Lille, IMT Lille Douai, Université d'Artois, Laboratoire de Génie Civil et géo-Environnement (LGCgE), France

4.10.P-Tu381 PECsw refinement approaches in Environmental Risk Assessment for collyria medicinal products | **Giulia Baldone**, Chemsafe Srl, Italy

4.10.P-Tu383 Regional Variability of Pesticide Residues in Cottonseed and Fiber Across Türkiye's Major Agro-Ecological Zones | **Volkan Mehmet Çınar**, Anadolu University, Turkiye

4.10.P-Tu384 (Re)Establish the use of the Geometric Mean as Refinement Option for Chronic Aquatic Risk Assessments | **Hanna Schuster**, Cambridge Environmental Assessments (CEA), United Kingdom

4.10.P-Tu385 The challenge of deriving population model parameters from multiple data sets: the example of mortality rates in the wood mouse | **Alexander Singer**, RIFCON GmbH, Germany

4.10.P-Tu386 Predicting Wood Mouse Densities in European Agroecosystems: Insights from an Explainable Machine Learning Study | **Jochen Zubrod**, Zubrod Environmental Data Science, Germany

4.10.P-Tu387 Optimal Complexity in Ecological Modelling: Application of a Novel Framework to Evaluate Biological Realism of Earthworm and Wild Pollinator Population Models | **Harriet Gold**, Cranfield University, United Kingdom

4.10.P-Tu388 Risky Buzz-ness: Navigating ECHA's Bee Guidance for Biocidal Product Risk Assessments | **Helen Sneath**, Sagentia Regulatory, United Kingdom

4.10.P-Tu389 Evaluating Changes in PT18 (Insecticide) Emission Calculations: Comparison of the 2008 and 2024 Emission Scenario Documents | **Mathew Jackson**, Sagentia Regulatory, United Kingdom

4.10.P-Tu390 Risk-based Approach for Regulation of Marine Pollution | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

Addressing Sustainability Aspects of Circular Technologies Using New Approaches in LCA | Peter Saling, Siyabonga Madonsela, Tomas Ekvall

5.01.P-Tu391 Comparative life-cycle and cultural assessment of anaerobic digestion with and without thermal-hydrolysis pretreatment (THP-AD) | **Paniz Pouryaghoubi**, KU Leuven, Belgium

5.01.P-Tu392 Excellence in Excrements: Circular Management System of Manure | **Kathrin Weiland**, University of Applied Sciences Vienna (UAS Technikum), Austria

5.01.P-Tu393 Sustainability Life Cycle Assessment of Modular Swappable Battery Systems for Electric Mobility: A PRISMA-Based Analysis | **Nidhiben Patel**, Institute of Energy Systems and Environment, Riga Technical University, Latvia

5.01.P-Tu394 A Systematic Constraint-Based Life Cycle Assessment Framework for Circular Agriculture: Case Study of Agricultural Plastic Waste Management in Taiwan | **Shao-Lin Peng**, National Cheng Kung University, Japan

5.01.P-Tu395 Nitrogen Footprint Focusing on Industrial Sector in Japan Based on Inventory Database in IDEA | **Yuki Ichisugi**, National Institute of Advanced Industrial Science and Technology, Japan

5.01.P-Tu396 Life Cycle Assessment of a new Acrylonitrile-Butadiene-Styrene Dissolution Recycling Technology | **Meis Uijttewaal**, CE Delft, Netherlands

5.01.P-Tu397 Implementing Circular Value Chains in the Oil & Gas Industry: A Sustainability Assessment of Crankshaft Remanufacturing | **Ana Fuentes Moldes**, AIMEN, Spain

5.01.P-Tu398 Eco-Design and Carbon Footprint Minimization in 3D-Printed Drug Products through Integrated Production Efficiency and Sustainable Logistics | **Dimitrios Aristotelis Koumpakis,** Aristotle University of Thessaloniki, Greece

5.01.P-Tu399 Do Rental and Sharing Models Deliver? Life Cycle Assessment-Based Lessons on Logistics, Use Intensity and Circular Design | **Astrid Stalmans**, Flemish Institute for Technological Research (VITO), Belgium

5.01.P-Tu400 Waste Footprint Analysis in Japan Using Waste Input-Output Model for Advancing Waste Circularity | **Atsushi Fukada**, Waseda University, Japan

5.01.P-Tu401 The potential of calcium and magnesium silicate as a circular input for correcting soil acidity and decarbonizing maize production in Brazil. | **Thaisa Lana Pilz Savioli**, Embrapa Meio Ambiente, Brazil

5.01.P-Tu402 Synergizing Life Cycle Assessment and Logistics to Improve Supply Chain Management | **Stuart Walker**, University of Sheffield, United Kingdom

5.01.P-Tu403 Exploring the Use on Land Phase in Nutrient Recovery: Nuancing the Fertilizer Substitution Principle in Life Cycle Modelling with tier 3 model Daisy | **Lilla Simon**, University of Southern Denmark, Denmark

5.01.P-Tu404 Advancing Circular Life Cycle Assessment Through Time-Explicit Modelling and System Expansion. A Case Study for Wind Turbine Systems | **Roel Degens**, Flemish Institute for Technological Research (VITO), Netherlands

5.01.P-Tu405 Assessing the risk of Pharmaceuticals in the Environment (PiE) as a result of recycling primary packaging | **Irene Bramke**, AstraZeneca, Netherlands

Advancing Methods for Prospective Life Cycle Assessment to Support Radical Approaches to Sustainable Research and Innovation | Nils Thonemann, Anne van den Oever, Ulrike Kirschnick, Myriam Saadé

5.02.P-Tu406 Structuring the Application of Life Cycle Assessment to Emerging Technologies: A Multi-Perspective Approach | **Kamal Kamali**, University of Bordeaux, France

5.02.P-Tu407 Future Analysis of Environmental Impacts by Combining Japan's Energy System Model With LCA | **Ryuta Hamaguchi**, Waseda University, Japan

5.02.P-Tu408 Sea vs Land Mining for Manganese Products: Comparative Prospective Life Cycle Assessment | **Sonja Henriksson**, Chalmers University of Technology, Sweden

5.02.P-Tu409 Coupling LCA and Stock / Flow Model for the Assessment of Concrete Waste Management Future Scenarios | **Yiwen Zhang**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland

5.02.P-Tu410 Life Cycle Environmental Impacts of Digital Services: Mitigation Strategies for Video Streaming | **Thomas Hennequin**, TNO Utrecht, Netherlands

5.02.P-Tu411 Towards robust and consistent, yet technology-specific prospective life cycle assessment | **Rosalie van Zelm**, Radboud University, Netherlands

5.02.P-Tu412 Prospective Macro-Level Life Cycle Assessment: A Systematic Review | **Aaron Paris**, Institute of Environmental Sciences (CML), Leiden University, Netherlands

5.02.P-Tu413 Toward a Generalized Scale-Up Framework in Prospective Life Cycle Assessment | **Marc Majó**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland

5.02.P-Tu414 Toward the ecodesign of emerging technologies: a collaborative bibliographic tool for technology upscaling modelling in LCA | **Lucas Riondet**, Arts et Metiers Institute of Technology, CNRS, Bordeaux INP, I2M, UMR 5295, France

5.02.P-Tu415 A Joint Conceptual and Computational Structure for Dynamic and Prospective LCA | **Thomas Schaubroeck**, Luxembourg Institute of Science and Technology, Luxembourg

5.02.P-Tu416 Building a prospective, scenario-based environmental assessment of future European battery recycling by coupling Material Flow Analysis and Life Cycle Assessment | **Harmjan de Vries**, Leiden University, Netherlands

5.02.P-Tu417 Uncertainty and Sensitivity of Scenario Choices in Prospective LCA | **Jóhanna Sofía Guldbrandsø Nolsøe**, Aalborg University, Denmark

5.02.P-Tu418 Prospective Life Cycle Assessment of Novel Nanofiltration Membrane Manufacturing Methods for Sustainable Scale-Up | **Pablo Almendras Flores**, University of Twente, Netherlands

5.02.P-Tu419 Precision in Prediction: Mitigating Material-Related Uncertainty in Prospective Product Carbon Footprinting | **Alexandra Belyaeva**, Robert Bosch GmbH, Germany

5.02.P-Tu420 Dynamic-prospective or time-explicit life cycle assessment: unite two novel approaches | **Ladislaus Lang-Hogrefe**, JOANNEUM RESEARCH, Austria

Embracing Outliers Within the Emerging Nexus of Agriculture, Food Systems, and the Bioeconomy | Claudia Som, Melanie Douziech, Roland Hischier

5.05.P-Tu421 Bio-based Fertilisers from Fisheries Wastes: An Environmentally Friendly Alternative to Mineral Fertilisers? | **Jan Landert**, Research Institute of Organic Agriculture FiBL, Switzerland

5.05.P-Tu422 Quantification of the Relevance of Time-Dynamic Carbon Accounting for Different Feedstock and End-of-Life Emission Scenarios of PLA | **Nadja Vierzigmann**, School of Business and Economics, RWTH Aachen University, Germany

5.05.P-Tu423 Decoupling Biodiversity Footprints of Food Consumption from Economic Growth Varies with the Wealth of a Country | **Mark Huijbregts**, Radboud University, Netherlands

5.05.P-Tu424 Mapping Biomass Flows for Material Use in Switzerland: Towards a Systemic Framework for Biomass Valorisation | **Nadia Malinverno**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland

5.05.P-Tu425 Effects of Allocation on Nutrient Sharing Between Crops: A Comparative LCA of the Soybean–Cotton System in Brazil | **Thaisa Lana Pilz Savioli**, Brazilian Agricultural Research Corporation (Embrapa), Brazil

5.05.P-Tu426 Towards a Transparent and Sustainable Atlantic Fisheries Sector: The SMART4SEA Approach | **Jara Laso**, University of Cantabria, Spain

5.05.P-Tu427 From Waste to Fuel: Life Cycle Insights into Biogas from Winery By-products | **Mara Silva**, Fraunhofer Center for Advanced Water, Energy, and Resource Management (AWAM), Portugal

5.05.P-Tu428 Enhancing Environmental Accounting: An Exploratory Approach to Soil Stocks in Agricultural Life Cycle Assessment | **José Paulo Pereira das Dores Pilz Savioli**, Brazilian Agricultural Research Corporation (Embrapa), Brazil

5.05.P-Tu429 Exploring Outliers in Large-Scale Life Cycle Assessments of Experimental Farms | **Juliet Telfer**, HESTIA Project; Oxford Martin School, University of Oxford, United Kingdom

Increasing Access to Life Cycle Data: Bridging Transparent, Inclusive, and Reproducible Sustainability Knowledge | Didier Beloin-Saint-Pierre, Agneta Ghose, Tomas Navarrete Gutierrez, Heather Logan

5.08.P-Tu430 Scaling Industrial Life Cycle Sustainability Assessments through Automation and Standardization: An Assessment of Barriers and Technical Solutions | **Leonie Reif**, RWTH Aachen University, Germany

P–Tu | Tuesday Poster Presentations

5.08.P-Tu431 Data Based Buildings Archetypes for Probabilistic LCA | **Thibault Chevilliet**, Navier, ENPC, Institut Polytechnique de Paris, Univ Gustave Eiffel, France

5.08.P-Tu432 From Parametric LCA to Digital Twin: a Model and Data Framework for LCA Automation | **Jóhanna Sofía Guldbrandsø Nolsøe**, Aalborg University, Denmark

5.08.P-Tu433 An Innovative Method for Retrieving Inventory from Product Definition: LCA of Magnesia-carbon Refractory Ceramics | **Md Jubayed**, University of Liège, Belgium

5.08.P-Tu434 Multi-regional Chemical Emission Inventory for Freshwater Ecological Risk based on PRTR and GLORIA | **Marika Muramoto**, Waseda University, Japan

5.08.P-Tu435 Towards Reproducible, Transparent, and Interoperable LCI: the Role of Collaborative Digital Tools | **Eulalie Bonnot**, Holis, France

5.08.P-Tu436 A Data Structure for Life Cycle Inventory and Life Cycle Assessment Data in the Digital Product Passport | **Berend Mintjes**, Leiden University, Netherlands

5.08.P-Tu437 Integrating Life Cycle Data into Digital Product Passports: Open-Source vs Licensed Inventories | **Alice Mondello**, Leiden University, Netherlands

5.08.P-Tu438 Reusables, Disposables and Systems In-between – A Comparison of the Environmental Impacts of Trocar Systems Using Life Cycle Assessment and Material Characterization | **Rebekka Brandwijk**, Maastricht University, Netherlands

5.08.P-Tu439 Life Cycle Insights of Regional Natural Gas Liquids (NGLs) Supply and Use as Steam-Cracker Feedstock | **Sangram Ashok Savant**, ecoinvent Association, Switzerland

5.08.P-Tu440 Beyond Standard Distances: Modeling Transport Routes in the ecoinvent Database | **Mattia Clementi**, ecoinvent Association, Switzerland

5.08.P-Tu441 Describing the development of harmonised life-cycle inventories for Brazilian pasture systems supporting beef production | **Rafael Zortea**, IFSul - Câmpus Sapiranga, Brazil

5.08.P-Tu442 New modelling approach for multi-nutrient inorganic fertilizers in the ecoinvent database: solving the double-counting issue | **Andreas Giakoumatos**, ecoinvent, Switzerland

5.08.P-Tu443 Data Extrapolation in Life Cycle Inventories for the Agri-food Sector: Challenges and Approaches | **Sara M. Pinto**, INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering, Portugal

Bridging the Data-to-Regulation Gap: How to Align NAMs with Regulatory Decision-Making | Vanessa Srebny, Anna Böhnhardt, Claudia Rivetti, Francesca Pellizzato

7.04.P-Tu444 Optimizing In vitro Battery for Genotoxicity Testing Using a Probabilistic Network To Support Decision Making | **Zheng Zhou**, Lund University, Sweden

7.04.P-Tu445 NAMs-based Assessment of Endocrine Disrupting Chemicals under K-BPR : Case Study on Preservatives | **Ji-Yeon Roh**, Knoell Korea, Korea, Republic of

7.04.P-Tu446 Advancing Confidence in NAMs for Fish Acute Toxicity Assessment: Outcomes from the 2025 Innovate EcoSafety Summit | **Julie Krzykwa**, HESI Global, USA

7.04.P-Tu447 Towards NAM-based Frameworks for Assessing Endocrine Activity in Aquatic Vertebrates: Outcomes from the 2025 Innovate EcoSafety Summit | **Natalie Burden**, NC3Rs, United Kingdom

7.04.P-Tu448 Establishing Molecular Size and Log P as Reliable Indicators for Worldwide Bioaccumulation Assessment: A New Decision Tree Screening Approach | **Kevin Bonnot**, dsm-firmenich, Belgium

7.04.P-Tu449 Science without borders: State of the art of the regulations on the use of NAMs under EU REACH and K REACH | **Donghyeon Kim**, University of Seoul, Paris-Cité University, Korea, Republic of

7.04.P-Tu450 In-Depth Comparison of Predictivity Performances of Regulatory Compliant Ready-Biodegradability Models | **Floriane Larras**, KREATiS, France

7.04.P-Tu451 Innovate EcoSafety Summit: A Collaborative Model for Advancing Environmental Risk Assessment | **Julie Krzykwa**, HESI Global, USA

7.04.P-Tu452 Responding to Regulatory Concerns on Air-Breather Bioaccumulation with NAMs: Extending Existing In vitro Rat Liver Assays - Developing and Validating a New Test Guideline | **Gordon Sanders**, Givaudan International SA, Switzerland

7.04.P-Tu453 AI in chemical regulation: Current approaches and future potential for integrating AI within chemical hazard and risk assessments | **Helena Crosland**, Cambridge Environmental Assessments (CEA), United Kingdom

7.04.P-Tu454 Are We Under the Illusion of Control? Looking Beyond Quantification to Uncover "Real" Environmental Concentration Distributions of Chemicals | **Lara Petschick**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany

SETAC Europe 27th LCA Symposium

19–21 October 2026 • Bruges, Belgium

Engage with the LCA community and explore this year's theme: "Designing Tomorrow: Advancing Life Cycle Approaches for European Sustainability Initiatives."

Join us in Bruges! Registration opens 24 June.

Discover more at **setac.org/lca2026**

WEDNESDAY SCHEDULE		
08:30–09:30	Poster Setup	Exhibition Hall
08:30–18:00	Badge Pick-Up & Registration	Registration Area
08:30–18:15	Speaker Ready Room	1.5
08:30–18:30	Cloakroom	Entrance Level 1
09:30–10:50	**Presentation Sessions**	
10:50–11:35	Coffee & Poster Break	Exhibition Hall
11:35–12:55	**Presentation Sessions**	
12:00–13:00	Environmental Risk Assessment Interest Group Meeting	2.4
12:55–14:25	Lunch & Poster Break	Exhibition Hall
12:55–14:25	SETAC Europe Annual General Assembly	1.3
13:00–14:00	Wildlife Toxicology Interest Group Meeting	1.1
13:00–14:30	Waters Sponsored Lunch Seminar	2.3
14:25–15:45	**Presentation Sessions**	
15:00–16:00	SETAC Europe Board Meeting	2.4
15:45–17:00	SETAC Journals: Meet the Editors	SETAC Square
15:45–18:00	**Poster Social Break**	**Exhibition Hall**
16:00–16:45	**Poster Corners**	**Expo Foyer**
16:00–17:00	Animal Alternatives Interest Group Meeting	2.3
16:00–17:00	Marine and Coastal Pollution Interest Group Meeting	2.4
16:00–17:30	Science and Risk Communication Interest Group Meeting	0.1
16:00–18:00	IBERA Diplomates Social Mixer	Exhibition Hall
16:30–18:00	LCA Steering Committee Meeting	0.2
17:00–18:00	**SETAC Science Slam**	**Auditorium 1**
19:30–00:30	Congress Dinner	Rebelle Maastricht

SETAC Science Slam

17:00–18:00 | Auditorium 1

Join the Ultimate Showdown of Scientific Storytelling

Giulia Cafiero and Nick van Sabben

Who can explain their science in the most creative and entertaining way? Find out at the SETAC Science Slam, one of the most lively highlights of the Annual Meeting, and cheer for your favourite slammer!

In this high-energy plenary session, four contestants (slammers) will take the stage to present their research in creative and unexpected ways. Each slammer has 10 minutes to win over the audience by transforming complex environmental science into an engaging, accessible and entertaining performance. Expect creativity, humour and surprising perspectives as the slammers bring their research to life.

But the most important role belongs to you, the audience. After all slammers have performed, you will help decide who takes home a €500 cash prize and the title of SETAC Science Slam Champion 2026.

Slammers:

- **Translating the Game - Stakeholders, Science and Signals** by Annika Mangold-Döring
- **Yves and the Universe** by Yves Rudin
- **Karaoke by Design: Singing Our Way to SSbD** by Vicenç Pomar Portillo and Akshat Sudheshwar

Kindly sponsored by

Wednesday, 20 May

★ Special Session

09:30-10:50 | Room 0.10/0.11

8.02 - Integrating Landscape Perspectives in Environmental Risk Assessment: From Protection Goals To Practical Implementation

Melissa Reed, Sonja Braaker, Bas Buddendorf

Environmental risk assessment (ERA) is increasingly transitioning from traditional, field- or organism-level evaluations toward broader, landscape-level approaches that better capture spatial heterogeneity, ecological connectivity, and cumulative pressures. Regulatory frameworks across regions are beginning to integrate landscape considerations when defining protection goals, establishing assessment endpoints, and designing mitigation strategies. This shift reflects the need for more ecologically realistic assessments of impacts on non-target terrestrial organisms (NTTOs) and the influence of existing and evolving policy instruments—including the Sustainable Use Regulation (SUD), updated Common Agricultural Policy (CAP), Nature Restoration Regulation and Birds and Habitats Directive—which are reshaping landscape structure and management practices.

Following introductory talks, a plenary dialogue will examine the conceptual and methodological foundations of landscape-level ERA, including data requirements, modelling approaches and analytical challenges associated with assessing risks to NTTOs across spatially complex environments. It will consider how landscape characteristics influence exposure, effects and recovery potential, and how these characteristics must be represented to ensure robust and policy-relevant assessments. We will also explore the integration of innovative mitigation measures—ranging from precision-application technologies to landscape-scale management interventions—into existing regulatory frameworks and protection goals. Additional attention will be given to the implications of multiple, interacting pressures at landscape scale, and the need for mitigation and protection strategies that are multifunctional, effective, and aligned with ecological and regulatory objectives.

Objectives:

- Analyse how current regulatory frameworks incorporate landscape considerations in the definition of protection goals and risk mitigation strategies.
- Evaluate how evolving policy drivers will influence landscape structure and the design of future ERAs.
- Discuss the role of innovative mitigation approaches and their integration into landscape-level assessments and decision-making processes.
- Identify key data, modelling and methodological needs for robust landscape-level ERA, particularly for NTTOs.
- Highlight the practical challenges and opportunities associated with implementing landscape-level ERA in the existing regulatory frameworks

Wednesday Platform Presentations Morning 1

	09:35	09:50	10:05
0.4	**Experimental, Modelling, and Monitoring approaches to assess the Environmental Fate and Exposure of Pesticides** | ...		
	3.10.B.T-01 A Combined Deterministic–Stochastic Methodology for Estimating Residential Pesticide Exposure | **Assif Friedman**, Utrecht University, Netherlands	**3.10.B.T-02** Seasonal Dynamics of Pesticide Residues in Soils: Insights from Two-years of Monitoring in Three Agricultural Settings | **Romualdus Kasteel**, Agroscope, Switzerland	**3.10.B.T-03** Agricultural Practices Drive Pesticide Residues in Soil and Earthworms | **Aagje Saarloos**, Wageningen University and Research (WUR), Netherlands
0.5	**PMT/vPvM Substances: Advances in Identification, Prioritisation, Risk Assessment and Regulation** | Michael Neumann, Chesney Swansborough, Julia Hartmann		
	3.22.T-01 Percentage Leached as a Function of Koc and DT50 – a Scientific Indication of True Mobility | **Jose Gomez-Eyles**, Syngenta, United Kingdom	**3.22.T-02** Advancing Multi-Model Screening of Persistent, Mobile and Toxic Chemicals: Application to the DSSTox Database | **Eric Verbruggen**, National Institute for Public Health and the Environment (RIVM), Netherlands	**3.22.T-03** Prioritization of PMT Chemicals during Agricultural Water Reuse – Potential for Human Exposure and Groundwater Contamination | **Daniel Zahn**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany
0.10/0.11	★**Integrating Landscape Perspectives in Environmental Risk Assessment: From Protection Goals To Practical Implementation** | ...		
	9:30	**9:35**	**9:47**
	8.02.T-01 Landscape management in the current EU policies and regulations on pesticides and the vision of the EU Commission for the future | **Sofie Hofkens**, European Commission - DG Sante, Belgium	**8.02.T-02** From Individuals to Landscapes: Scaling Mechanistic Individual-Based Models for Landscape Ecological Risk Assessment of Non-Target Organisms | **Alice Johnston**, Cranfield University, United Kingdom	
0.15	**Advances in Predictive and Regulatory Toxicology and Ecotoxicology: Issues, Challenges and Opportunities** | ...		
	7.01.T-01 Building nano-QSARs and the importance of assessing their limitations | **Surendra Balraadjsing**, Leiden University, Netherlands	**7.01.T-02** Mechanistic Model for Predicting Acute Oral Toxicity: Data Uncertainty and Model Predictability | **Stela Kutsarova**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria	**7.01.T-03** Performance of models predicting ready biodegradability | **Romanas Cesnaitis**, European Chemicals Agency (ECHA), Finland
Auditorium	**Out of the Norm: Assessing Fate, Safety, and Sustainability of Biodegradable Polymers** | Glauco Battagliarin, Andrea Valsesia, Michael Zumstein, Pippa Kate Curtis-Jackson		
	3.19.B.T-01 Screening Biodegradation Tests: History, Predictive Value, and Clarification of Common Misconceptions in Environmental Persistence Assessment | **Drew McAvoy**, University of Cincinnati, United States	**3.19.B.T-02** Towards an Integrative Assessment of Polymer Biodegradation | **Kathleen McDonough**, Procter & Gamble, United States	**3.19.B.T-03** Stable isotope labeling in polymer biodegradation assessment: from research to regulation | **Michael Sander**, ETH Zurich, Switzerland
Auditorium 2	**From Mechanistic Insights and Innovation to Regulation: Integrating Behavioural Endpoints, AOPs and NAMs into Next Generation Environmental Risk Assessment** | ...		
	1.10.T-01 Every data point matters – maximising value for regulatory toxicology | **Kristin Schirmer**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**1.10.T-02** Mode of Action Assessment in Raphidocelis subcapitata by Complementing the OECD 201 Test with Transcriptomics | **Melina Schöpker**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany	**1.10.T-03** Sweet but Toxic? An Ecotoxicological Hazard Assessment of the Artificial Sweetener Acesulfame using Toxicogenomics | **Alexandra Loll**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany
Brightlands foyer	**Life Cycle Assessment for Sustainability Decisions: Methodological Challenges and Future Directions** | Iris Kral, Jacques L'Haridon, Roland Hischier, Esther Sanye-Mengual		
	5.09.A.T-01 People in the ISO Life Cycle | **Tomas Ekvall**, Tomas Ekvall Research, Review & Assessment, Sweden	**5.09.A.T-02** Measuring Sustainability and Circularity of Products: Development of a Harmonized Digital Material Passport for Chemicals Enabling the Transfer of LCIA, Circularity an Safety Data Along Supply Chains | **Alessandro Pistillo**, BASF, Germany	**5.09.A.T-03** The EcoBeautyScore: A Science-Based and Harmonized Environmental Scoring Scheme for Cosmetics | **Laurent Gilbert**, EcoBeautyScore Association, Belgium
2.1	**Harnessing Nature: Innovative Bioremediation and Phytotechnologies for Contaminant Removal and Ecosystem Recovery** | ...		
	3.13.A.T-01 Nature's Clean Up Crew: A System's Approach to Halogenated Contaminant Biotransformation | **Gerardo Aguilar Jr**, RMIT University, Australia	**3.13.A.T-02** Two complementary ways to overcome bioavailability restrictions in bioremediation: direct enhanced desorption and solubilization | **Rosa Posada**, IRNAS-CSIC, Spain	**3.13.A.T-03** Biological Granular Activated Carbon As A Reactive Barrier To Clean Up Groundwater Contaminated By PAHs. | **Joy Ginika-Osuorji**, Newcastle University, United Kingdom
2.2	**Coastal Environments: At the Intersection of Human Activities and the Open Ocean** | Milo Leon de Baat, Rebecca von Hellfeld, Peter Schupp, Belen Gonzalez-Gaya		
	3.07.T-01 Standardization of an Acute Toxicity Test Method for Corals: A Multi-Laboratory Prevalidation Study | **David Brefeld**, Institute for Chemistry and Biology of the Marine Environment (ICBM), Carl von Ossietzky University of Oldenburg, Germany	**3.07.T-02** Neurotoxic Effects of Metal-Rich Particulate Matter on Neotropical Native Fish Brain: Bioaccumulation and Enzymatic Responses | **Marisa Fernandes**, Federal University of São Carlos (UFSCar), Brazil	**3.07.T-03** In-depth PFAS Characterization in Benthic and Pelagic Estuarine Food Webs: Contamination Patterns and Trophic Transfers | **Ninon Serre**, French Institute for Ocean Science (IFREMER), France
2.18/2.19	**Crawling Through Challenges: Emerging Trends in Ecotoxicology for Amphibians and Reptiles** | Elena Adams, Femke Sophie van Steen, Manuel Ortiz Santaliestra		
	1.05.T-01 Bufadienolide Toxins in Common Toad Skin and Their Link to Population Status | **Sarah Devliegere**, Ghent University, Belgium	**1.05.T-02** Preliminary Overview of the Direct and Indirect Effects of Chemical Contamination on Amphibians in the Interface Between Water and Land in Agricultural Landscapes | **Ana Maria Lemos-Marques**, University of Castilla-La Mancha (UCLM), Spain	**1.05.T-03** Amphibian Body Burden Dynamics: A Refined Mechanistic Model for Dermal Pesticide Uptake from Soil | **Valentin Mingo**, Corteva Agriscience, Germany

Wednesday Platform Presentations Morning 1

	10:20	10:35
0.4	| Bernhard Jene, Joachim Dayteg, Pauline Iris Adriaanse	
	3.10.B.T-04 Determining Pesticide Concentrations in Water Framework Directive Water Bodies in the Netherlands | **Almir Nunes**, Wageningen University and Research (WUR), Netherlands	**3.10.B.T-05** From Source to Tap: Uncovering the Origins of 1,2,4-Triazole in Flemish Drinking Water | **Liesa Brosens**, Flemish Institute for Technological Research (VITO), Belgium
0.5	**PMT/vPvM Substances: Advances in Identification, Prioritisation, Risk Assessment and Regulation** | Michael Neumann, Chesney Swansborough, Julia Hartmann	
	3.22.T-04 Identifying Persistent and Mobile Substances with the SIN List | **Hans Peter Arp**, Norwegian Geotechnical Institute (NGI), Norway	**3.22.T-05** Protecting Drinking Water Sources from PMT-substances | **Andre Bannink**, RIWA, Netherlands
0.10/0.11	| Melissa Reed, Sonja Braaker, Bas Buddendorf	
	9:59	**10:11**	**10:45**
	8.02.T-03 Concepts, strengths and challenges of integrating landscape models into an environmental risk assessment for non-target terrestrial organisms | **Pernille Thorbek**, BASF, United Kingdom	**8.02.T-04** Plenary discussion | **Melissa Reed**, HSE, United Kingdom	Concluding Remarks | **Melissa Reed**, Health and Safety Executive (HSE) - Chemical Regulation Division, United Kingdom
0.15	| Ester Papa, Wenhong Fan, Salvador Moncho Escriva, Ying Wang		
	7.01.T-04 From Literature to Mechanistic Insight: A Retrieval-Augmented Generation-Driven Framework for Nanomaterial Adverse Outcome Pathways | **Yunchi Zhou**, School of Materials Science and Engineering, Beihang University, China (Mainland)	**7.01.T-05** From Machine Learning to Fundamental AI Models in QSAR: How to Improve the Regulatory Acceptance? | **Tomasz Puzyn**, University of Gdańsk, Poland
Auditorium	**Out of the Norm: Assessing Fate, Safety, and Sustainability of Biodegradable Polymers** | Glauco Battagliarin, Andrea Valsesia, Michael Zumstein, Pippa Kate Curtis-Jackson	
	3.19.B.T-04 Biodegradability of Polylysine in Wastewater: Identification of Key Microbial Degraders and Enzymatic Mechanisms | **Andreas Künkel**, BASF, Germany	**3.19.B.T-05** Towards Holistic Approaches to Modeling Polymer Biodegradability | **Susan Csiszar**, Procter & Gamble, United States
Auditorium 2	| Romana Hornek-Gausterer, Vanessa de Almeida Moreira, Maria Blanco-Rubio, Miguel Oliveira	
	1.10.T-04 Comparative Behavioral Screening of Environmental Chemicals in Daphnia magna and Drosophila melanogaster | **Pu Xia**, Centre for Environmental Research and Justice (CERJ), The University of Birmingham, United Kingdom	Poster Spotlights: 1.10.P-We039, 1.10.P-We040, 1.10.P-We041
Brightlands foyer	**Life Cycle Assessment for Sustainability Decisions: Methodological Challenges and Future Directions** | Iris Kral, Jacques L'Haridon, Roland Hischier, Esther Sanye-Mengual	
	5.09.A.T-04 Advancing Consumption-Based Decision Support: Modelling Carbon and Biodiversity Border Taxes for EU Food Systems | **Veronika Schlosser**, Technical University of Munich, Germany	Poster Spotlights: 5.09.P-We382, 5.09.P-We396, 5.09.P-We402
2.1	| Rayco Guedes-Alonso, Paula Santiago Díaz, Jose Julio Ortega-Calvo, Anna Barra Caracciolo	
	3.13.A.T-04 Are there sustainable alternatives to biochar for reducing pollutant bioavailability? A look at biosealing bacteria | **Bryan Martínez Monzón**, Academia de Química Analítica y Análisis Instrumental, Escuela Superior de Ingeniería Química e Industrias Extractivas, Instituto Politécnico Nacional, Mexico	**3.13.A.T-05** Metabolic pathways for biotransformation of benzalkonium compounds in fungal- and bacteria-based biofilm reactors | **Kai Bester**, Aarhus University, Denmark
2.2	**Coastal Environments: At the Intersection of Human Activities and the Open Ocean** | Milo Leon de Baat, Rebecca von Hellfeld, Peter Schupp, Belen Gonzalez-Gaya	
	3.07.T-04 Land-to-Reef Pollution: Integrated Isotopic and Chemical Measurements for Ecological Impact Assessment | **Nienke van de Loosdrecht**, University of Amsterdam (UVA), Netherlands	**3.07.T-05** Derivation and application of effect-based trigger values for estrogen receptor-mediated activity in coastal sediments | **Jiyun Gwak**, Chungnam National University, Korea, Republic of
2.18/2.19	**Crawling Through Challenges: Emerging Trends in Ecotoxicology for Amphibians and Reptiles** | Elena Adams, Femke Sophie van Steen, Manuel Ortiz Santaliestra	
	1.05.T-04 Impact of multiple stressors on amphibian population dynamics – insights from spatially explicit population modelling | **Pernille Thorbek**, BASF, United Kingdom	**1.05.T-05** From Fish to Frogs: Leveraging Fish Toxicity Data to Predict Chronic Pesticide Effects on Aquatic Amphibian Life Stages | **Elena Adams**, Bayer AG CropScience, Germany

Wednesday Platform Presentations Morning 2

	11:40	11:55	12:10
0.4	**Integrating Chemical Pollution and Wastewater-Based Epidemiology into the One Health Framework** | ...		
	1.13.T-01 HydroFATE as a One Health Tool: Modelling Multi-Contaminant Risks from Different Sources and Across Scales | **Heloisa Ehalt Macedo**, McGill University, Canada	**1.13.T-02** Proactive public health – actionable data for notifiable diseases using wastewater-based epidemiology | **Laura Langan**, University of South Carolina, USA	**1.13.T-03** A National-Scale Application of Wastewater Analysis to Monitor Plasticizer Exposure in Spain | **Andrea Estévez Danta**, University of Santiago de Compostela, Spain
0.5	**Trifluoroacetic Acid in the Environment – Here Today, More Tomorrow** | Hans Peter H. Arp, Shira Joudan, Mark L. Hanson, Finnian Freeling		
	3.28.T-01 Atmospheric passive sampling of gaseous perfluorinated carboxylic acids dominated by trifluoroacetic acid (TFA) | **Trevor VandenBoer**, York University, Canada	**3.28.T-02** Advancing Our Understanding of the Sources of Atmospheric TFA | **Cora Young**, York University, Canada	**3.28.T-03** Rising TFA Concentrations in Danish Groundwater: Atmospheric and Agricultural Sources | **Christian Albers**, Geological Survey of Denmark & Greenland (GEUS), Denmark
0.10/0.11	**Combining and Integrating Sustainability and Risk Assessment from Environmental, Social, and Economic Perspectives** | ...		
	2.02.T-01 Towards Robust Decision-Making in Safe and Sustainable by Design (SSbD): Current State and Recommendations for MCDA Integration | **Nina van Dulmen**, Leiden University, Netherlands	**2.02.T-02** Treating Safe and Sustainable-by-Design as a Multi-objective Optimization Problem – Mapping Tradeoffs Using Decision Spaces of Polyethylene Terephthalate and Polylactic Acid | **Akshat Sudheshwar**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland	**2.02.T-03** Assessment of Functional Alternatives to Fluorinated Foam Blowing Agents in Insulation Materials | **Ian Cousins**, Stockholm University, Sweden
0.15	**From Molecules to Models: Integrating Mechanistic Insights and Quantitative Modelling into Predictive Ecotoxicology** | ...		
	1.11.A.T-01 In Vitro Hepatic Microsomal Michaelis-Menten Parameters In Biotransformation: Do They Scale Allometrically? | **Luke Ockhuijsen**, Radboud University, Netherlands	**1.11.A.T-02** MIE, Myself and IC50: The Importance of the Molecular Initiating Event for the Difference in Carbaryl Sensitivity of Aquatic Arthropods | **Nick van Sabben**, Wageningen University and Research (WUR), Netherlands	**1.11.A.T-03** What's Really Stopping the Head-AChE? Implementing Enzyme Inhibition in TKTD Model for Carbaryl | **Annika Mangold-Döring**, Wageningen University and Research (WUR), Netherlands
Auditorium 1	**Unpacking Plastic Complexity: Investigating the Biological Impacts of Micro- and Nanoplastics, and Plastic Associated Chemicals** | ...		
	2.13.A.T-01 A New Methodology for the Quality Assessment of Recycled Plastics | **Richard Becker**, German Environment Agency (UBA), Germany	**2.13.A.T-02** Intestinal Toxicity of Polyethylene Terephthalate Micro- and Nanoplastics and Their Degradation Products: A Multi-Endpoint Cellular Analysis | **Catarina Cunha**, CESAM, University of Aveiro, Portugal	**2.13.A.T-03** Breaking Ground: The Effect of Leachates from Conventional and Biodegradable Mulching Films on Plants | **Laura Zantis**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany
Auditorium 2	**Advances in Exposure Modelling: Closing the Gap between Scientific Innovation and Regulatory Relevance** | ...		
	3.02.A.T-01 Predicting Chemical Co-Exposure in Europe: Development of a Continental Fate Model | **Karel Vlaeminck**, ARCHE Consulting, Belgium	**3.02.A.T-02** Spatially Referenced Environmental Exposure Model for Down-the-drain Substance Emissions Across European Rivers | **Susan Csiszar**, Procter & Gamble, United States	**3.02.A.T-03** Bridging Innovation and Regulation: High-Resolution Spatial Mapping of Sewage Connectivity for Refined Exposure Modelling | **Juliet Hodges**, Unilever, United Kingdom
Brightlands foyer	**Life Cycle Assessment for Sustainability Decisions: Methodological Challenges and Future Directions** | Iris Kral, Jacques L'Haridon, Roland Hischier, Esther Sanye-Mengual		
	5.09.B.T-01 Applying Life Cyle Assessment at Different Levels: Deriving Insights for the Potential of Bio-based Solutions | **Andrea Amadei**, European Commission - Joint Research Centre (JRC), Italy	**5.09.B.T-02** Enhancing Comparative Life Cycle Assessment Decision-Making Through Objective Reduction of Impact Categories Under Uncertainty | **Tejas Dilipsing Patil**, IFP Energies Nouvelles (IFPEN), France	**5.09.B.T-03** More Robust Results through Normalisation using the Central Values from the Inventory Database | **Arnaud Helias**, National Research Institute for Agriculture, Food and Environment (INRAE), France
2.1	**Harnessing Nature: Innovative Bioremediation and Phytotechnologies for Contaminant Removal and Ecosystem Recovery** | ...		
	3.13.B.T-01 VIRTUE: A Virtuous Cycle of Phytoremediation, Pyrolysis and Biochar Applications towards Safe PFAS Levels in Soil, Feed and Food | **Gerard Cornelissen**, Norwegian Geotechnical Institute (NGI), Norway	**3.13.B.T-02** Biochar as Efficient Sorbents for the Retention of Road Runoff Pollutants in Tree Trench Biofilters | **Xiangyu Ji**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.13.B.T-03** Comparative Study of Nature-Based Reclamation of Distinct Greywater Streams | **Lucas Alonso**, Catalan Institute for Water Research (ICRA), Spain
2.2	**Navigating Marine Pollution in a Changing Climate: Emerging Contaminants, Ecosystem Impacts, and Integrated Solutions** | ...		
	4.11.T-01 Advancing Ecotoxicology With Sea Stars And Brittle Stars: Current Evidence, Research Gaps And Future Directions | **Camilla Mossotto**, The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy	**4.11.T-02** Presence of contaminants of emerging concern in remote areas: Arctic Ocean as a case of study | **Marta Llorca-Casamayor**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain	**4.11.T-03** Integrative Growth Inhibition and Metabolomic Alterations on Marine Microalgae Tetraselmis suecica Exposed to CECs | **Edoardo Barbieri**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain
2.18/2.19	**Ecological Context of Pollinator Risk Assessment: Challenges Becoming Threats?!** | Stefan Kimmel, Silvia Hinarejos, Ivo Roessink, Amelie Schmolke		
	2.03.T-01 A step forward - Comparative tool evaluation under EFSA's 2023 Bee Guidance Document | **Daniel Stengel**, Rifcon GmbH, Germany	**2.03.T-02** Effects of simultaneous exposure through different routes | **Jan Baas**, Wageningen University and Research (WUR), Netherlands	**2.03.T-03** Mapping Honeybee Colony Vulnerability: Integrating Landscape, Exposure, and Effect Modelling for Pollinator Health | **Sascha Bub**, Rhineland-Palatinate Technical University Kaiserslautern-Landau, Germany

Wednesday Platform Presentations Morning 2

	12:25	12:40
0.4	| Ralf Bernhard Schaefer, Andrea Estévez Danta, Marisa Sarria Pereira de Passos	
	1.13.T-04 Bridging Environment to Exposome: In Vitro Evidence for Chemical Mixture Propagation to Humans | **Beate Escher**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**1.13.T-05** Potential of Settling Basins to Record Quantitative Information about Public Health: History of Paris since 2018 | **Thomas Thiebault**, Practical School of Advanced Studies (EPHE), France
0.5	**Trifluoroacetic Acid in the Environment – Here Today, More Tomorrow** | Hans Peter H. Arp, Shira Joudan, Mark L. Hanson, Finnian Freeling	
	3.28.T-04 Widespread Trifluoroacetic Acid (TFA) Pollution in UK Surface Waters | **Rowan Stanforth**, Fidra, United Kingdom	**3.28.T-05** Trifluoroacetic Acid Formation in Potato Cultivation: Impact of Fluazinam, Fluopicolide and Oxathiapiprolin Degradation | **Patrick van Hees**, Eurofins Food & Feed/Örebro University, Sweden
0.10/0.11	| Caroline Moermond, Hannah Welsh, Manuela DEusanio, Jason Snape	
	2.02.T-04 Are Larger Companies More Sustainable? Quantifying Scaling Relationships Between Company Size And Environmental Indicators | **Jie Xiong**, Radboud Institute for Biological and Environmental Sciences, Radboud University Nijmegen, Netherlands	Poster Spotlights: 2.02.P-We089, 2.02.P-We090, 2.02.P-We091
0.15	| Giulia Cafiero, Andreu Rico, Venja Sandrine Anna Margit Schoenke, Johannes Raths	
	1.11.A.T-04 Expanding the Chemical Domain of Applicability of a Cross Species Quantitative Adverse Outcome Pathway for Activation of the Aryl Hydrocarbon Receptor Leading to Early Life Stage Mortality | **Justin Dubiel**, University of Lethbridge, Canada	**1.11.A.T-05** When are Repeated Pesticide Exposures Independent? A Species-Specific Approach Using GUTS-based Depuration Times | **Sanne van den Berg**, Wageningen Environmental Research, Netherlands
Auditorium 1	| Anita Jemec Kokalj, Dana Kühnel, Mbuyiselwa Moloi, Helena Oliveira	
	2.13.A.T-04 Multi-Species Toxicity of Leachates Containing Microplastics, Nanoplastics and Additives from Artificially Aged Oil-Based and Partially Biobased and Biodegradable Fishing Nets | **Edgar Dusacre**, University of Bordeaux & University of the Basque Country, France	Poster Spotlights: 2.13.P-We172, 2.13.P-We174, 2.13.P-We175
Auditorium 2	| Juliet Hodges, Joris T.K. Quik, Sam Harrison, Oliver Warwick	
	3.02.A.T-04 From Pharmaceutical Emission Modelling Approach Toward an Applicable Risk Assessment Plugin in QGIS | **Cristiano Guidi**, University of Rostock, Germany	**3.02.A.T-05** An LLM-based Toolbox for Automated Text Mining on the Uses of Chemicals | **Huadong Xing**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland
Brightlands foyer	**Life Cycle Assessment for Sustainability Decisions: Methodological Challenges and Future Directions** | Iris Kral, Jacques L'Haridon, Roland Hischier, Esther Sanye-Mengual	
	5.09.B.T-04 Damage-Based Weighting Factor for Human Health-Related Impacts | **Michèle Gaillard**, INRAE Montpellier, France	Poster Spotlights: 5.09.P-We389, 5.09.P-We403, 5.09.P-We404
2.1	| Rayco Guedes-Alonso, Paula Santiago Díaz, Jose Julio Ortega-Calvo, Anna Barra Caracciolo	
	3.13.B.T-04 Remediation of PFAS Contaminated Soil Using Sorbent Stabilization with Activated Carbon and Sewage Sludge Biochar: Insights on Plant and Earthworm Uptake and Ecotoxicity | **Ingrid Rijk**, Orebro University, Sweden	**3.13.B.T-05** Pilot Scale Study for a Green Recovery of a Construction Site Area | **Paola Grenni**, Italian National Research Council (CNR), Italy
2.2	| Steven Brooks, Ioanna Katsiadaki, Marinella Farre, Mathijs Smit	
	4.11.T-04 Interactive Effects of Emerging Contaminants and Climate Change Stressors: Chronic Impacts of Amitriptyline and Tributyl Phosphate on the Physiology and Behaviour of Marine Medaka (Oryzias melastigma | **David Nos**, French Institute for Ocean Science (IFREMER), France	**4.11.T-05** Uncoating the Problem: Leachates From Coatings Affect Estuarine Copepods Under Climate Change Scenarios | **Juliette Grandjean**, Flanders Marine Institute (VLIZ), Belgium
2.18/2.19	**Ecological Context of Pollinator Risk Assessment: Challenges Becoming Threats?!** | Stefan Kimmel, Silvia Hinarejos, Ivo Roessink, Amelie Schmolke	
	2.03.T-04 Modulation of the Effects of local Pesticide Use by Landscape elements on Wild Pollinators in an Agricultural plain | **Thanh-Julie Nguyen**, INRAE, France	**2.03.T-05** Modelling Population-Resource Relationships Using a Spatially Explicit SolBeePop | **Harriet Gold**, Cranfield University, United Kingdom

Wednesday Platform Presentations Afternoon

	14:30	14:45	15:00
0.4	**Beyond Exposure: Epigenetic Mechanisms, Omics Integration, and AI for Long-Term Environmental Impact** | ...		
	1.02.T-01 Parental Exposure to the Toxic Dinoflagellate Alexandrium minutum Affects Offspring DNA Methylation in the Pacific Oyster Magallana gigas | **Adeline Marzari**, LEMAR, France	**1.02.T-02** Multigenerational exposure and epigenetic regulation in duckweed (L. minor) under chronic radiation: non-standard responses informing future AOPs | **Nele Horemans**, Belgian Nuclear Research Center (SCK CEN), Belgium	**1.02.T-03** Decoding Neurobehavioral Disruption: Multi-omics Insights in Cadmium and Ciprofloxacin-Exposed Seabass | **Juliette Bedrossiantz**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain
0.5	**Impact of Armed Conflict in Terrestrial and Aquatic Environments** | Hans Sanderson, Maarten De Rijcke, Jennifer Strehse		
	6.06.T-01 Framework for War-Related Marine Damage Assessment of Ukraine's Black and Azov Sea Territorial Waters | **Hans Sanderson**, Aarhus University, Denmark	**6.06.T-02** Toxic Traces of Tirpitz: Using Microbial Communities to Identify Shipwreck Pollution | **Wyona Schütte**, Flanders Marine Institute (VLIZ), Belgium	**6.06.T-03** Warship wrecks and their munitions cargo as a threat to the marine environment and humans: the V 1302 "JOHN MAHN" from World War II | **Edmund Maser**, Christian-Albrechts-University of Kiel (CAU), Germany
0.10/0.11	**Bringing "Design" Back to SSbD: Designing Molecular Structures for Safety and Sustainability** | Rachel Lucy London, Stefano Cucurachi, Hannah Flerlage, Marco Cinelli		
	6.02.T-01 Designing What to Assess in SSbD: A Pathway Builder Integrating Governance Mapping and Morphological Analysis | **Che Xiao**, Leiden University, Netherlands	**6.02.T-02** Interactive Generative Modelling for Inverse Design of Safe and Sustainable Antioxidants | **Franziska Weissbach**, ETH Zurich, Switzerland	**6.02.T-03** An Integrated Early-Stage SSbD Workflow Using AI/AOP-Based NGRA and Streamlined LCA for Chemical Substitution | **Jaeseong Jeong**, University of Seoul, Korea, Republic of
0.15	**From Molecules to Models: Integrating Mechanistic Insights and Quantitative Modelling into Predictive Ecotoxicology** | ...		
	1.11.B.T-01 Linking Biomarkers to Life-History Traits through Response– Response Approaches in Three-Spined Stickleback (Gasterosteus aculeatus) Exposed to Bisphenol S (BPS) | **Blanche Goddyn**, INERIS, France	**1.11.B.T-02** Temperature Effects on Species Sensitivity Distributions Across Aquatic Taxa | **Lea Grenc**, Radboud University, Netherlands	**1.11.B.T-03** Mechanistic Modelling of Insecticide Effects on Lepidoptera using DEB-TKTD | **Josef Koch**, gaiac eco assessment GmbH, Germany
Auditorium 1	**Unpacking Plastic Complexity: Investigating the Biological Impacts of Micro- and Nanoplastics, and Plastic Associated Chemicals** | ...		
	2.13.B.T-01 Plastic Litter in the Arctic as a Research Asset: Investigating the Impacts of environmental Nanoplastics and Associated Contaminants on Human Digestive Health | **Melanie Mobley**, Toxalim, Université de Toulouse, INRAE, ENVT, El-Purpan, France	**2.13.B.T-02** Organelle crosstalk as a central regulator of micro- and nanoplastics-induced stress responses: an in vitro approach | **Nelly Saenen**, UHasselt, Belgium	**2.13.B.T-03** Microplastic Fiber-Induced Transgenerational Epigenetic Disruption Impairs Fitness in Daphnia magna | **Buom sup Shim**, Gangneung-Wonju National University, Korea, Republic of
Auditorium 2	**Advances in Exposure Modelling: Closing the Gap between Scientific Innovation and Regulatory Relevance** | ...		
	3.02.B.T-01 Modeling Environmental Plastic Emissions: A Particle-based Approach to Dynamic Probabilistic Material Flow Analysis | **Yvette Mellink**, Wageningen University and Research (WUR), Netherlands	**3.02.B.T-02** Quantifying and Mitigating Environmental Emissions and Exposure of Intentionally Added Microplastics in the UK | **Sam Harrison**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom	**3.02.B.T-03** A Modular Fate and Transport Model for Biological Treatment of Micropollutants During Wastewater Treatment | **Pinelopi Savvidou**, Researcher in Water Sciences, United Kingdom
Brightlands foyer	**Complementing and Combining LCA with Other Methodologies for Better Decision Making** | Lucia Rigamonti, Ana Judith Guerrero Esquivel, Andrea M Carrao, Frida Røyne		
	5.04.T-01 Including Ecosystems in LCA: the BES Footprint | **Andreas Gess**, University of Stuttgart, Germany	**5.04.T-02** Integrating Criticality Indicators into the Life Cycle Assessment Framework: Hydrogen Production as a Case Study | **Yi Li**, University of Bordeaux, France	**5.04.T-03** Behaviour Operationalization in Life Cycle Assessments for Decision Making – an Interdisciplinary Framework | **Mareike Tippe**, German Aerospace Center (DLR) - Institute of Networked Energy Systems, Germany
2.1	**From Nanomaterials to Advanced Materials: Ensuring Safety in Innovation** | Carmen Wolf, Wenhong Fan, Wendel Wohlleben, Virginia Unamuno		
	4.08.T-01 Imogolites for agriculture & environmental plant protection; a challenge to assess and regulate | **Mona Connolly**, INIA CSIC, Spain	**4.08.T-02** Lights, Camera… Action? Challenges for Daphnia during Advanced Materials ecotoxicity testing | **Katie Reilly**, University of Birmingham, United Kingdom	**4.08.T-03** Animal-Free Computational Pipeline for Deriving In Vivo Nanoparticle Safety Thresholds from In Vitro Data | **Jimeng Wu**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland
2.2	**Environmental Risks of (New) Chemicals Used in Maritime Transport** | Marlea H.A.B. Wagelmans, Edwin Foekema, Roberto Martins		
	4.05.T-01 Bringing circularity and sustainability into the maritime antifouling coatings industry by reusing dead batteries | **Roberto Martins**, CESAM, University of Aveiro, Portugal	**4.05.T-02** Ecotoxicological and Biodegradability Assessment of Antifouling Paints for Marine Applications (PROJECT - NAUTILUS) | **Virginia Cazzagon**, Leitat Technological Center, Spain	**4.05.T-03** Environmental Safety Assessment of Liquid Organic Hydrogen Carriers for Energy Transport: Towards Benign-by-Design Solutions | **Marta Markiewicz**, Dresden University of Technical, Germany
2.18/2.19	**Non-Target Arthropod Risk Assessment: A Simple Matter of Protection Goals or a Complex Web of Interactions?** | Kristi Tatsi, Ivo Roessink, Ricardo Petersen, Heike Fremdt		
	2.11.T-01 Protocol for the revision of the risk assessment of terrestrial non-target organisms | **Rachel Sharp**, European Food Safety Authority (EFSA), Italy	**2.11.T-02** Moving forward on Non-Target Arthropods Environmental Risk Assessment - Are Current Tier 1 Species Protective Enough? | **Artur Sarmento**, University of Coimbra, Portugal	**2.11.T-03** Do Age and Exposure Route Make the Poison? Insights from a Multi-Route Pesticide Uptake Study with Ladybugs | **Steven Droge**, Wageningen University and Research (WUR), Netherlands

Wednesday Platform Presentations Afternoon

	15:15	15:30
0.4	| Juan Ignacio Bertucci, Laia Navarro-Martin, Joana Luisa Pereira, Jana Asselman	
	1.02.T-04 Epigenetic Insights from DNA Adductomics: Early Indicators of Environmental Stress? | **Giulia Martella**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**1.02.T-05** Detection of transcriptomic biomarkers for environmental stressors in Paracentrotus lividus embryos using machine learning approaches | **Alexandre Schönemann**, Spanish Institute of Oceanography (IEO-CSIC), Spain
0.5	**Impact of Armed Conflict in Terrestrial and Aquatic Environments** | Hans Sanderson, Maarten De Rijcke, Jennifer Strehse	
	6.06.T-04 Revisiting Deposition of Ammunition in Swiss Lakes: from Monitoring Organic Munition Constituents to Assessing their Release and Fate | **Chloé Udressy**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	Poster Spotlights: 6.06.P-We418, 6.06.P-We419, 6.06.P-We420
0.10/0.11	**Bringing "Design" Back to SSbD: Designing Molecular Structures for Safety and Sustainability** | Rachel Lucy London, Stefano Cucurachi, Hannah Flerlage, Marco Cinelli	
	6.02.T-04 Integrated Methodology and Decision Support System for Safe and Sustainable Substitution | **Susan Dekkers**, TNO, Netherlands	Poster Spotlights: 6.02.P-We407, 6.02.P-We412
0.15	| Giulia Cafiero, Andreu Rico, Venja Sandrine Anna Margit Schoenke, Johannes Raths	
	1.11.B.T-04 Mechanistic Modelling of Aquatic Mesocosm Communities: Exploring Model Structures for Ecotoxicological Studies | **Chuxinyao Wang**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	**1.11.B.T-05** Quantifying the Effect of Biodiversity Loss to Freshwater Ecosystems by Linking Mean Species Abundance to Ecosystem Services | **Venja Schoenke**, Radboud University, Netherlands
Auditorium 1	| Anita Jemec Kokalj, Dana Kühnel, Mbuyiselwa Moloi, Dana Kühnel	
	2.13.B.T-04 Behavioural and Sub-lethal Effects of Microplastic Exposure in Key Coastal Macroinvertebrates | **Zaib Ullah**, School of Life and Environmental Sciences, Faculty of Science, Engineering and Built Environment, Deakin University, VIC, Australia	Poster Spotlights: 2.13.P-We164, 2.13.P-We173, 2.13.P-We176
Auditorium 2	| Juliet Hodges, Joris T.K. Quik, Sam Harrison, Oliver Warwick	
	3.02.B.T-04 Modelling Chemical Mixtures for Assessing the Impact on Freshwater Biodiversity in Yorkshire, UK | **Martha Villamizar**, University of York, United Kingdom	**3.02.B.T-05** Screening-level exposure Models to Evaluate the direct Release of Cosmetic Ingredients (MERCI): Development and application to UV filters used in suncare products | **Ryan Heisler**, International Collaboration on Cosmetics Safety (ICCS), United States
Brightlands foyer	**Complementing and Combining LCA with Other Methodologies for Better Decision Making** | Lucia Rigamonti, Ana Judith Guerrero Esquivel, Andrea M Carrao, Frida Røyne	
	5.04.T-04 Integrating planetary boundaries into energy system optimisation models for absolute environmental sustainability assessment: a methodological framework | **Nicolas Ghuys**, UCLouvain, Belgium	**5.04.T-05** Integrating Life Cycle Assessment with Complementary Methods for Low-carbon Hydrogen | **Anthi Chatzopoulou**, IFP Energies nouvelles, France
2.1	**From Nanomaterials to Advanced Materials: Ensuring Safety in Innovation** | Carmen Wolf, Wenhong Fan, Wendel Wohlleben, Virginia Unamuno	
	4.08.T-04 Ensuring Safe Advanced Materials – MACRAMÉ Recommendations for Test Guideline Development and Standardisation | **Elisabeth Heunisch**, German Federal Institute for Occupational Safety and Health (BAuA), Germany	Poster Spotlights: 4.08.P-We340, 4.08.P-We341, 4.08.P-We342
2.2	**Environmental Risks of (New) Chemicals Used in Maritime Transport** | Marlea H.A.B. Wagelmans, Edwin Foekema, Roberto Martins	
	4.05.T-04 Ammonia as a Maritime Fuel: A Review of Environmental Risk Dynamics during Bunkering and Shipping Spills | **Michael Yeboah**, Wageningen University and Research (WUR), Netherlands	**4.05.T-05** Nature-based Antifouling Strategies Using Posidonia oceanica Leaf Extracts in Silicone Coatings for Marine Aquaculture | **Bianca Gabbrielli**, University of Pisa, Italy
2.18/2.19	**Non-Target Arthropod Risk Assessment: A Simple Matter of Protection Goals or a Complex Web of Interactions?** | Kristi Tatsi, Ivo Roessink, Ricardo Petersen, Heike Fremdt	
	2.11.T-04 Integrating GUTs Modeling into Ecotoxicological Assessments of Non-Target Arthropods in European Regulation | **Daniela Jans**, Bayer AG, Germany	**2.11.T-05** Risk Assessment for Off-Crop Habitats: Interactions Between Plant Protection Products and Non-Target Arthropods | **Michael Peter Meissle**, Agroscope, Switzerland

Schedule

Setup	08:30–9:30
Poster Viewing	10:50–11:35
Poster Viewing	12:55–14:25
Poster Social	15:45–18:00
Take Down	by 18:15
Poster Corners	16:00–16:45

Late-Breaking Science Posters

Late-breaking science posters are not included in the printed programme book. For a full list of poster presentations, please visit the online meeting platform.

Poster Corners

Poster Corner 1

From Mechanistic Insights and Innovation to Regulation: Integrating Behavioural Endpoints, AOPs and NAMs into Next Generation Environmental Risk Assessment | Romana Hornek-Gausterer, Vanessa de Almeida Moreira, Maria Blanco-Rubio, Miguel Oliveira

1.10.P-We012, 1.10.P-We013, 1.10.P-We014, 1.10.P-We015, 1.10.P-We016

Poster Corner 2

Unpacking Plastic Complexity: Investigating the Biological Impacts of Micro- and Nanoplastics, and Plastic Associated Chemicals | Anita Jemec Kokalj, Helena Oliveira, Mbuyiselwa Moloi, Dana Kühnel

2.13.P-We141, 2.13.P-We142, 2.13.P-We143, 2.13.P-We144, 2.13.P-We162, 2.13.P-We163

Poster Corner 3

Chemical Additives in Consumer Products – Analytical Methods, Challenges, and Regulatory Needs | Lisa Reinhardt, Tonie Wickman, Sicco Brandsma, Lisa Melymuk

3.06.P-We204, 3.06.P-We205, 3.06.P-We206, 3.06.P-We207, 3.06.P-We208, 3.06.P-We212

Poster Corner 4

Coastal Environments: At the Intersection of Human Activities and the Open Ocean | Milo Leon de Baat, Rebecca von Hellfeld, Peter Schupp, Belen Gonzalez-Gaya

3.07.P-We213, 3.07.P-We214, 3.07.P-We215, 3.07.P-We216, 3.07.P-We217

Poster Corner 5

Harnessing Nature: Innovative Bioremediation and Phytotechnologies for Contaminant Removal and Ecosystem Recovery | Rayco Guedes-Alonso, Paula Santiago Díaz, Jose Julio Ortega-Calvo, Anna Barra Caracciolo

3.13.P-We243, 3.13.P-We244, 3.13.P-We245, 3.13.P-We246, 3.13.P-We248, 3.13.P-We249

Poster Corner 6

PMT/vPvM Substances: Advances in Identification, Prioritisation, Risk Assessment and Regulation | Michael Neumann, Chesney Swansborough, Julia Hartmann

3.22.P-We291, 3.22.P-We292, 3.22.P-We293, 3.22.P-We294, 3.22.P-We295, 3.22.P-We296

Poster Corner 7

Complementing and Combining LCA with Other Methodologies for Better Decision Making | Lucia Rigamonti, Ana Judith Guerrero Esquivel, Andrea M Carrao, Frida Røyne

5.04.P-We361, 5.04.P-We362, 5.04.P-We363, 5.04.P-We364, 5.04.P-We365, 5.04.P-We374

Poster Corner 8

Enhancing Chemical Safety using NGRA: Bridging Human Toxicology and Ecotoxicology | Jinhee Choi, Claudia Rivetti, Xiaojing Li, Maria Arena

7.05.P-We432, 7.05.P-We433, 7.05.P-We434, 7.05.P-We435, 7.05.P-We436, 7.05.P-We437

Poster Sessions

Beyond Exposure: Epigenetic Mechanisms, Omics Integration, and AI for Long-Term Environmental Impact | Juan Ignacio Bertucci, Laia Navarro-Martin, Joana Luisa Pereira, Jana Asselman

1.02.P-We001 Exposure to Tetrabromobisphenol A Reprograms Hepatic Lipid Metabolism Both in Mothers and Their Offspring | **Xuan Ma**, Wuxi Center for Disease Control and Prevention, Nanjing Medical University, China (Mainland)

1.02.P-We002 The transcriptome and epigenome of the marine calanoid copepod Acartia clausi after short-term cadmium exposure | **Ilias Semmouri**, Ghent University, Belgium

1.02.P-We003 Integrating Transcriptomic Insights to Predict Long-Term Impacts of Emerging Contaminants Under Climate Stressors | **Juan Ignacio Bertucci**, Spanish Institute of Oceanography - Spanish National Research Council (IEO-CSIC), Spain

1.02.P-We004 Integrative Analysis of Physiological, Epigenomic, and Transcriptomic Changes in Phaeodactylum tricornutum Exposed to Cadmium and Ciprofloxacin | **Ilias Semmouri**, Ghent University, Belgium

Crawling Through Challenges: Emerging Trends in Ecotoxicology for Amphibians and Reptiles | Elena Adams, Femke Sophie van Steen, Manuel Ortiz Santaliestra

1.05.P-We005 Development of minimally invasive protocols for biomarker detection in amphibians using saliva samples – from laboratory to field application | **Loïc Cattin**, IDYST, University of Lausanne, Switzerland

1.05.P-We006 High-Content Imaging in Amphibian Cell Lines: A Novel In Vitro Platform for Chemical Hazard Characterization | **Luisa Reger**, Research Unit Chemicals in the Environment, Helmholtz Centre for Environmental Research - UFZ, Germany

1.05.P-We008 Developmental, Physiological and Metabolic Impacts of Sublethal Delorazepam Exposure in Xenopus laevis Tadpoles | **Isabel Lopes**, CESAM, University of Aveiro, Portugal

1.05.P-We009 Benchmarking Bio-Based DGEVA Versus DGEBA: Developmental and Behavioral Toxicity in Amphibian Larvae | **Isabel Lopes**, CESAM, University of Aveiro, Portugal

1.05.P-We010 Effects of dermal exposure to pesticides on skin structure and function of amphibian terrestrial stages | **Manuel Ortiz Santaliestra**, Institute for Game & Wildlife Research - Spanish National Research Council (IREC - CSIC), Spain

1.05.P-We011 Why Size Matters: Clarifying the Calculation of Anuran Body Surfaces | **Arnd Weyers**, Bayer AG, CropScience, Germany

From Mechanistic Insights and Innovation to Regulation: Integrating Behavioural Endpoints, AOPs and NAMs into Next Generation Environmental Risk Assessment | Romana Hornek-Gausterer, Vanessa de Almeida Moreira, Maria Blanco-Rubio, Miguel Oliveira

1.10.P-We012 EthoCRED: A Framework to Guide Reporting and Evaluation of the Relevance and Reliability of Behavioural Ecotoxicity Studies | **Michael Bertram**, Swedish University of Agricultural Sciences (SLU), Sweden

1.10.P-We013 Scaling Up Biomonitoring: Eukaryotic Community-Wide 18S Profiling Enables to Identify Priority Taxa Across Upstream–Downstream Pollution Gradients | **Vanessa Moreira**, Ghent University, Belgium

1.10.P-We014 Aligning the REACH Revision with the EU Roadmap to Phase Out Animal Testing for Stronger Environmental Protection | **Jen Hochmuth**, PETA UK, United Kingdom

1.10.P-We015 Immunomodulatory In-vitro Effects of Realistic Environmental Pollutant Mixtures on Innate Immunity | **Elena Hommel**, Helmholtz Center for Environmental Research (UFZ), Germany

1.10.P-We016 Developmental Neurotoxicity mediated through Endocrine Disruption in Fish: A Systematic Review | **Simone Fibiger Sørensen**, University of Southern Denmark, Denmark

1.10.P-We017 C. elegans as a Model Organism to Complement the OECD Developmental Neurotoxicity In Vitro Battery | **Molly Cooper**, University of Birmingham, United Kingdom

1.10.P-We018 Development of an Automatic High-Throught Behavioural Phenomics Platform for Daphnia magna Toxicity Screening | **Matthew Barnard**, University of Birmingham, United Kingdom

1.10.P-We019 Evaluation of Patulin-Induced Neurotoxicity: Effects on Neurotransmitters, Neural Damage, Behavior, and Mechanisms in Caenorhabditis elegans | **Yu-Ning Hsu**, Institute of Food Safety and Health, National Taiwan University, Taiwan (Greater China)

1.10.P-We020 Cocaine Pollution Alters the Movement and Space Use of Atlantic Salmon (Salmo salar) in a Large Natural Lake | **Michael Bertram**, Swedish University of Agricultural Sciences (SLU), Sweden

1.10.P-We021 From gasoline to green fuels: Uncovering neurotoxic effects in developing zebrafish | **Angelina Miller**, RWTH Aachen University, Germany

1.10.P-We022 Towards animal-free environmental safety assessment for petroleum UVCB: challenges and adaptations within the EU Roadmap to phase out animal testing | **Maria Blanco-Rubio**, Shell Global Solutions International BV, Netherlands

1.10.P-We023 Addressing a Regulatory Blind Spot in Traditional Ecotoxicity Methods | **Vanessa Moreira**, Ghent University, Belgium

1.10.P-We024 Comparative Dietary Analysis in Small Mammals: Fecal vs. Stomach Content eDNA Metabarcoding in Herbivores and Insectivores | **Jan-Dieter Ludwigs**, Rifcon GmbH, Germany

1.10.P-We025 Ecotox: An Outlier or Way-out? | **Oluwafemi Azeez Sarumi**, RPTU University of Kaiserslautern-Landau, Germany

1.10.P-We026 Integrating Alternative and Refined Approaches to Bisphenol Toxicity in Xenopus laevis | **Miguel Oliveira**, University of Aveiro, Portugal

1.10.P-We027 Developmental and behavioral effects of two synthetic glucocorticoids, fluticasone propionate and clobetasol propionate, in zebrafish embryos | **Nathalie Hinfray**, INERIS, France

1.10.P-We028 Behavioral Impact of Road Dust and Tire Wear Particle on Gammarids and Potential Functional Consequences | **Zoé Arrigoni**, EDYTEM - CARRTEL, France

1.10.P-We029 Effects of Benzo[a]pyrene on Swimming Behaviour of Brown Trout Assessed Using Non-invasive Approaches | **Coline Louvet**, INRAE Lyon-Grenoble Auvergne Rhône-Alpes, Riverly unit, ECOTOX team, France

1.10.P-We030 When Colours Meet Plastics: Behaviour Gets Messy | **Miguel Oliveira**, CESAM, University of Aveiro, Portugal

1.10.P-We031 Zebrafish adaptive strategies across development: Integrating Behavioural, Physiological, and Transcriptomic Profiles | **Melissa Faria**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

1.10.P-We032 Night Lights, Broken Rhythms: ALAN Effects on Zebrafish Larval Sleep and Sensorimotor Behaviour | **Carlos Barata**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

1.10.P-We033 Small Doses, Big Effects: Low Sertraline Levels as a Behaviour Modulator in Fish | **Miguel Oliveira**, University of Aveiro, Portugal

1.10.P-We034 Exploring In Vitro Testing for Comparative Cellular Toxicology: Challenges, Opportunities and Future Directions | **Isabelle Kavanagh**, University of Birmingham, United Kingdom

1.10.P-We035 Molluscan Nuclear Receptors and Their Ligands: What We Know, What We Don't, and What Comes Next | **Yann Stehly**, Southern Denmark University (SDU), Denmark

1.10.P-We036 Emerging mycotoxins and 3D HepaRG liver models: comparative mechanistic insights from mono- and tri-cultures in the context of New Approach Methodologies | **Zeineb Marzougui**, French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France

1.10.P-We037 Assessing Toxicometabolomic Responses of Daphnia Magna to Pharmaceutical Mixtures in Municipal Wastewater Treatment Plants

from Costa Brava (Catalonia, Spain) | **Emma Moragrega-Knol**, School of Engineering, Institut Químic de Sarrià-Universitat Ramon Llull, Spain

1.10.P-We038 Early Life Stress Rewrites the Script of Coping | **Miguel Oliveira**, CESAM, University of Aveiro, Portugal

1.10.P-We039 Behavioral Alterations of the Amphipod Gammarus pulex During Toxicokinetic Processes: The Role of Receptor Binding | **Clarissa von Au**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.10.P-We040 The Rise of New Approach Methodologies (NAMs) for Environmental Safety Assessment of Chemicals: Current Status, Challenges, and Strategies for Broader Adoption of NAMs | **Adam Lillicrap**, Norwegian Institute for Water Research, Norway

1.10.P-We041 Are Behavioural Ecotoxicity Endpoints Relevant at the Population Level? Evidence-Based Insights for Environmental Protection | **Michael Bertram**, Swedish University of Agricultural Sciences (SLU), Sweden

From Molecules to Models: Integrating Mechanistic Insights and Quantitative Modelling into Predictive Ecotoxicology | Giulia Cafiero, Andreu Rico, Venja Sandrine Anna Margit Schoenke, Johannes Raths

1.11.P-We042 Identification of Ecotoxicological Endpoints for Developing Predictive QSAR Models of Naphthenic Acids in Brazilian Produced Water | **Juacyara Carbonelli Campos**, School of Chemistry - UFRJ, Brazil

1.11.P-We043 Exploring Mechanisms of Species Sensitivity to AhR Activation using In Silico Approaches | **Justin Dubiel**, University of Lethbridge, Canada

1.11.P-We044 Modelling Gene Expression Dynamics During Early Zebrafish Development to Explain Developmental Changes in Detoxification Capacity | **Marie große Holthaus**, University of Osnabrueck, Germany

1.11.P-We045 Molecular Insights into Caffeine Toxicity in the Freshwater Gastropod Physa acuta | **Ahlam Mohamed-Benhammou**, National University of Distance Education (UNED), Spain

1.11.P-We046 Measuring Detoxification In-Vivo: Validation of a General Esterase Substrate in Several Freshwater Invertebrates | **Giulia Cafiero**, Wageningen University and Research (WUR), Netherlands

1.11.P-We047 Tire Wear Particles as an Oxidative Stressor: Antioxidant Enzyme Response in the Carpenter ants (Camponotus spp.) | **Snehal Wasnik**, Institute of Science Tokyo, Japan

1.11.P-We048 Applying a Toxicokinetic-receptor Model to Explain Long-lasting Bioaccumulation of Neonicotinoids in Two Invertebrate Species | **Clarissa von Au**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.11.P-We049 Bayesian Species Sensitivity Distribution Modeling for Microplastics: Integrating Particle Properties and Species-Level Variations of Effect Concentrations | **Yuichi Iwasaki**, National Institute of Advanced Industrial Science and Technology, Japan

1.11.P-We050 Trophic Transfer Impact of Combined Microplastics and Tire Particles in Three-Species Freshwater Food Chain | **Kimleng Keang**, Institute of Science Tokyo, Japan

1.11.P-We051 Modelling the Life Cycle of the Painted Lady Butterfly Vanessa cardui Using the Dynamic Energy Budget Theory | **Simon Hansul**, gaiac eco assessment GmbH, Germany

1.11.P-We052 Linking PBK and DEB models for risk assessments: an example for the wood mouse | **Nika Galic**, Syngenta Crop Protection AG, Switzerland

1.11.P-We053 Mechanistic Effect Modeling of Freshwater Mussels: The Role of Life-History in Stress-Driven Population Dynamics | **Ines Haberle**, Florida Atlantic University (FAU), USA

1.11.P-We054 Assessing Effects on Lemna Growth under Toxicological Stress in the Funne Water Catchment | **Oliver Jakoby**, RIFCON GmbH, Germany

1.11.P-We055 Suitability of Delta log D to Predict pH-dependent Toxicity Differences Across Aquatic Organism Groups for Ionisable Substances | **Thomas Gräff**, German Environment Agency (UBA), Germany

1.11.P-We056 Predicting Chemical Risks in a Changing Climate Through Model-Guided Study Designs | **Anthony Fow Esteves**, Université Claude Bernard Lyon 1; CNRS, UMR 5558; INRAE, Centre de Lyon-Grenoble Auvergne-Rhône-Alpes; UR RiverLy, France

1.11.P-We057 How Species Sensitivity Variation and Biotic Interactions Buffer Food Web Endpoints under Chemical Exposure | **Xiaoxiao Li**, University of Sheffield, United Kingdom

1.11.P-We058 From Individual Traits to Food Web Effects: Predicting Contaminant-induced Impact on Theoretical Aquatic Food Webs Using Allometric Scaling | **Anastasia Manjavidze**, University of Kaiserslautern-Landau, Germany

1.11.P-We059 Exploring Pesticide Effects on Biological Pest Control Through Ecological Modelling | **Dana Bashkir**, Wageningen University and Research (WUR), Netherlands

Integrating Chemical Pollution and Wastewater-Based Epidemiology into the One Health Framework | Ralf Bernhard Schaefer, Andrea Estévez Danta, Marisa Sarria Pereira de Passos

1.13.P-We060 From Point Measurements to Integrated Assessments: How Decision Theory Supports Integration Over Multiple Objectives, Space, and Time | **Nele Schuwirth**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.13.P-We061 Impact of Widely Occurring Organic Micropollutants on Antibiotic Resistance in Clinically Relevant Bacterial Pathogens | **Judit Háhn**, Hungarian University of Agricultural and Life Sciences (MATE), Hungary

1.13.P-We062 The AMR Multi-Stakeholder Partnership Platform: a global Quadripartite initiative to address the challenges of antimicrobial resistance by fostering collaboration between diverse stakeholders | **Paola Grenni**, Italian National Research Council (CNR), Italy

1.13.P-We063 Ecotoxicity of selected antimicrobial resistance (AMR) causing agents in potentially susceptible species | **Hiroshi Yamamoto**, National Institute for Environmental Studies (NIES), Japan

1.13.P-We064 Prevalence of Selected Antibiotic Resistance Genes in Agricultural Soils in Germany | **Fabian Essfeld**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

1.13.P-We065 In Vivo Toxicity and Ecotoxicological Evaluation of a Bioactive Metabolite Derived from Streptomyces nogalater KNB14980 | **Seok-ki Min**, Korea Testing & Research Institute, Korea, Republic of

1.13.P-We066 Determining Potentially Misused Pharmaceuticals and Metabolites to Assess Usage Through Wastewater Analysis | **Tin Županović**, Ruder Boskovic Institute, Croatia

1.13.P-We067 Informing Site Selection for Wastewater-Based Epidemiology with Social Vulnerability Indicators | **Adam Wronski**, Baylor University, United States

1.13.P-We068 Assessment of population exposure to polycyclic aromatic hydrocarbons using wastewater-based epidemiological analysis | **Katarzyna Styszko**, University of Science and Technology (AGH), Poland

1.13.P-We069 Unveiling the presence of 20 perfluoroalkyl substances in wastewater in Spain – a national inventory of household emissions | **Andrea Estévez Danta**, University of Santiago de Compostela, Spain

1.13.P-We070 UHPLC–MS/MS Analysis of Lifestyle and Dietary Biomarkers in Wastewater: Method Optimization, Biomarker Stability, and Multi-city Study | **Karlo Jambrošić**, Ruder Boskovic Institute, Croatia

1.13.P-We071 A temporal analysis of microbiome dynamics in activated sewage sludge aerated for 14 days in OECD 301 biodegradation tests | **Thomas Wilkes**, Labcorp, United Kingdom

1.13.P-We073 The Use of in vitro Bioassays To Assess the Endocrine Disrupting Potential of 4-tert-octylphenol via Estrogen Receptors Vital to the Regulation of Female Fertility | **Emma Adams**, Queen's University Belfast, United Kingdom

1.13.P-We074 One Health Insights Into Malathion Toxicity: Protective Effects of Thymoquinone and Diallyl Sulphide in Rats | **Ali Shati**, King Khalid University, Saudi Arabia

1.13.P-We075 (Eco)toxicological effects of nanoengineered pesticides on humans and non-target biota | **Evgenia Chaideftou**, Medical University of Vienna, Austria

1.13.P-We076 Impact of E-cigarettes on Invertebrates in Aquatic Ecosystems | **Guido Gonsior**, GG Bio Tech Design, Germany

1.13.P-We077 Heavy metals analysis in selected wetlands in the Vaal Region, South Africa: A shift towards achieving Sustainable Development Goals | **Mzimkhulu Monapathi**, Vaal University of Technology, South Africa

1.13.P-We078 Are vulnerable insects sentinel species of chemical mixture threats in small streams? Resolving the debate around the German Kleingewässermonitoring (KGM) | **Hanh Nguyen**, University Duisburg-Essen (Uni DUE), Germany

1.13.P-We079 Comparative Ecotoxicological Assessment of Nano-formulated and Conventional Copper-based Pesticides on Crop Plants, Freshwater Organisms and associated Microbiota: A One Health Framework | **Thomas Moura**, Centre de Recherche sur la Biodiversité et l'Environnement (CRBE) Université de Toulouse, France

1.13.P-We080 Combined Low-Dose Toxicities and Interactions of Agricultural Toxicants in Caenorhabditis elegans: Epigenetics Insights | **Yong-Shan Li**, Institute of Environmnetal and Occupational Health Sciences, College of Public Health, National Taiwan University, Taiwan (Greater China)

1.13.P-We081 Synergistic Toxicity Induced by Co-exposure to Zearalenone and Deoxynivalenol in Caenorhabditis elegans | **Chia-Cheng Wei**, Institute of Food Safety and Health, National Taiwan University, Taiwan (Greater China)

1.13.P-We082 Safety Evaluation of Synthetic Compounds for Fire Blight Management: Environmental Fate and Ecotoxicity Assessment | **Seok-ki Min**, Korea Testing & Research Institute, Korea, Republic of

1.13.P-We083 Tier 1 Ecological Risk Assessment of Sulfa Drug Mixture Discharges from Livestock Facilities in Japan Using an RPF-Based Approach | **Fujiko Ozawa**, National Institute for Environmental Studies (NIES), Japan

1.13.P-We084 A NAMs Approach for Hazard Assessment of Leachates of Environmentally Relevant Plastic Mixes Collected in the Southeastern Bay of Biscay | **Miren P. Cajaraville**, University of the Basque Country (UPV/EHU), Spain

1.13.P-We085 Longitudinal Differences in Microplastics in Amniotic Fluid between Mid- and Late Pregnancy and Exploratory Assessment of Perinatal Outcomes | **Hyeon Ji Kim**, Seoul National University Bundang Hospital, Seoul National University College of Medicine, Korea, Republic of

1.13.P-We086 Assessing Chemical Pollution Through an Invasive Species: Procambarus clarkii as a Bioindicator in the Avigliana Lakes | **Paolo Pastorino**, IZSPLV - Experimental Zooprophylactic Institute of Piedmont, Liguria and Valle d'Aosta, Italy

1.13.P-We087 The Potential of Invasive Alien Species to Serve as Bioindicators of Chemical Pollution | **Paolo Pastorino**, IZSPLV - Experimental Zooprophylactic Institute of Piedmont, Liguria and Valle d'Aosta, Italy

1.13.P-We088 River water contaminated by a "cocktail" of chemicals: antimicrobial resistance and estrogenic effects | **Paola Grenni**, Italian National Research Council (CNR), Italy

Combining and Integrating Sustainability and Risk Assessment from Environmental, Social, and Economic Perspectives | Caroline Moermond, Hannah Welsh, Manuela DEusanio, Jason Snape

2.02.P-We089 Early-Stage Sustainability Assessment for Bio-Based Benzoxazines Using LCA and Safety Screening | **Mariana Ochodkova**, SAM Research Group, KU Leuven, Belgium

2.02.P-We090 Advancing Integrated Sustainability Assessment of chemicals: combining LCA, Risk Analysis and Tools for Safer Industrial Processes | **Simone Marzeddu**, Hazardous Substances Section, Italian Institute for Environmental Protection and Research (ISPRA), Italy

2.02.P-We091 Integrating LCA-RA Methods for Environmental Sustainability Assessment of Pharmaceuticals: Supporting Safe and Sustainable by Design and Decision-Making | **Chenyue Zhang**, Radboud Institute for Biological and Environmental Sciences (RIBES), Radboud University, Netherlands

2.02.P-We092 Defining Minimum Data Quality for Decision-Making with Integrated Sustainability Assessment of Pharmaceutical Products: A Case Study on Anti-Inflammatory Drugs | **Lowik Pieters**, National Institute for Public Health and the Environment (RIVM), Netherlands

2.02.P-We093 An Integrated Environmental Risk Assessment Framework for Safe and Sustainable Design of Pharmaceuticals: When Lower Persistence Does Not Trade Off Efficacy | **Qiyun Zhang**, Laboratory of Environmental Toxicology and Aquatic Ecology (GhEnToxLab), Belgium

2.02.P-We094 Life cycle risks and environmental Impacts of consumer products and their chemicals on human health and ecosystems: The integration of USEtox 3 within GLAM applied to BPA and alternatives in toys | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark

2.02.P-We095 Environmental Indicator of Pesticide Uses | **Louise Wipfler**, Wageningen University and Research (WUR), Netherlands

2.02.P-We096 Towards Balanced Solutions for Considering Safety and Sustainability Trade Offs at an Organisational Scale: The SUNRISE Solution | **Katharina Mayer**, Yordas Group, Germany

2.02.P-We097 Development of a Social Life Cycle Impact Assessment Method Considering the Effects of Child Labour on Education | **Teruya Suzuki**, Waseda University, Japan

Ecological Context of Pollinator Risk Assessment: Challenges Becoming Threats?! | Stefan Kimmel, Silvia Hinarejos, Ivo Roessink, Amelie Schmolke

2.03.P-We098 The Revised EFSA bee Guidance (2023) Three Years on: An Industry Stakeholder's Perspective and Recommendations | **Alexander Blakey**, Syngenta Ltd, United Kingdom

2.03.P-We099 Towards Harmonised First-Tier Pre-Flowering Factors in the European Food Safety Authority 2023 Bee Guidance: Linking BBCH Growth Stages to Application Timing | **Kristi Tatsi**, Corteva Agriscience, United Kingdom

2.03.P-We100 The Equivalence Testing Approach for the Statistical Analysis of Higher Tier Pollinator Studies: Recommendations and Challenges | **Kristi Tatsi**, Corteva Agriscience, United Kingdom

2.03.P-We101 From Controlled Tests to More Realistic Exposure: Advancing Risk Assessment Tools for Solitary Bees Using Osmia Species | **Fabien Demares**, TESTAPI, France

2.03.P-We102 Pesticide Risk to Pollinators in Agricultural Landscapes: Comparison of Apis mellifera and Osmia bicornis in Two Cropping Systems | **Dominika I. Twaróg**, Institute of Nature Conservation, Polish Academy of Sciences, Poland

2.03.P-We103 Solitary bee (Osmia bicornis) larvae test- Testing different pollen sources | **Stephen Vinall**, IES - Innovative Environmental Services Ltd., United Kingdom

2.03.P-We104 Pollinator Acute Contact Toxicity Tests in Overspray Design | **Kirsten McVean**, Noack Laboratorien, Germany

2.03.P-We105 The Effects of Plant Protection Product in Chronic Oral Toxicity Test on Honeybees | **Agnieszka Wojciech**, Ecotoxicology Research Group, Łukasiewicz Research Network – Institute of Industrial Organic Chemistry, Poland

2.03.P-We106 Bumblebee (Bombus spp.) larvae test- Approaches and first achievements | **Stephen Vinall**, Mambotox, United Kingdom

2.03.P-We107 Sensitivity difference between Summer and Winter honeybees | **Ivo Roessink**, Wageningen University and Research (WUR), Netherlands

2.03.P-We108 BeeGUTS Meets Joint Survival: Multi-Species Toxicant Response Modelling; Integrating beeGUTS and multiGUTS for Ecotoxicological Risk Assessment | **Amelie Schmolke**, RIFCON GmbH, Germany

2.03.P-We109 BeeGUTSmet: Extending TKTD Modelling for Honey Bees by Integrating Metabolism and Bioaccumulation | **David Schneider**, Bayer AG CropScience, Germany

2.03.P-We110 BeeGUTSmet: Technical Implementation of an Extended TKTD Model for Honey Bees | **David Schneider**, Bayer AG CropScience, Germany

2.03.P-We111 Development of Chemical and Crop

Specific Honeybee GUTS Exposure Scenarios for Assessment of Time-reinforced Toxicity | **Pernille Thorbek**, BASF, United Kingdom

2.03.P-We112 A Scenario-Based Analysis Using the Model SolBeePop: Exploring Impacts of Foraging Activity, Floral Composition, and Pesticide Exposure in Agroecosystems on Simulated Abundances of Solitary Bees | **Ella Rothe**, University of Osnabrück, Institute for Mathematics, Germany

2.03.P-We113 xPollinator – A Flexible Landscape Modelling Framework for the Assessment of Land Use and Pesticide Impacts on Pollinators | **Thorsten Schad**, Landwerk eV, Germany

2.03.P-We114 Buzzing Toward Better Risk Assessment: Advancing Bee Effect Modelling with the ICPPR Bee Modelling Interest Group | **Amelie Schmolke**, RIFCON GmbH, Germany

2.03.P-We115 AI-driven Image Analysis for Increased Accuracy and Precision of Honey Bee Colony Health and Productivity in Regulatory Field Studies | **Kristi Tatsi**, Corteva Agriscience, United Kingdom

2.03.P-We116 Quantifying Landscape-Mediated Bee Exposure Refinement: Deriving Landscape-Specific Refinement Factors (RFs) to Inform Regulatory Risk Assessment, per EFSA 2023 Guidance | **Silvio Knaebe**, Eurofins Agroscience Services US, Germany

2.03.P-We117 How Pesticide Uses and Agricultural Landscape Interact to Produce a Landscape of Pesticides Affecting Pollinator Communities | **Cécile Sulmon**, Univ Rennes, CNRS, ECOBIO [(Ecosystèmes, Biodiversité, Evolution)], UMR, 6553, France

2.03.P-We118 Beyond Mortality: Preliminary Assessment of Sublethal and Lethal Effects of Technical and Formulated Fungicide on Pollinators | **Benedetta Ponti**, LabAnalysis, Italy

2.03.P-We119 Pollinator Risks of Neonicotinoid Residues in Maize Guttation: Toxicity and Ecological Implications | **Cafer Turgut**, Istanbul University, Türkiye

2.03.P-We120 Differences in Butterfly Sensitivity to Oral Exposure to Flupyradifurone – A Call for Broader Research on Pollinators | **Dominika I. Twaróg**, Institute of Nature Conservation, Polish Academy of Sciences, Poland

2.03.P-We121 Screening of Pesticides in Pollen Collected by Honey Bees in the Northern Zone | **Mikaela Gönczi**, Swedish University of Agricultural Sciences (SLU), Sweden

2.03.P-We122 Characterising Pollinator Exposure Pathways Through Multi-Matrix Pesticide Residue Analysis | **Alina Koch**, Swedish University of Agricultural Sciences (SLU), Sweden

Non-Target Arthropod Risk Assessment: A Simple Matter of Protection Goals or a Complex Web of Interactions? | Kristi Tatsi, Ivo Roessink, Ricardo Petersen, Heike Fremdt

2.11.P-We123 Risk assessment in an agronomic context – direct and indirect impacts of non-chemical management practices | **Nadine Taylor**, Cambridge Environmental Assessments (CEA), United Kingdom

2.11.P-We124 CropLife Europe Proposal for Specific Protection Goals for NTA Risk Assessment | **Sonja Braaker**, BASF, France

2.11.P-We125 Developing an Impact Assessment Framework for Specific Protection Goals for Non-Target Arthropods | **Nadine Taylor**, Cambridge Environmental Assessments (CEA), United Kingdom

2.11.P-We126 Non-Target Arthropods (NTA): Specific Protection Goals, Indirect Effects and Ecosystem Services | **Melanie Hagen-Kissling**, Eurofins MITOX, Netherlands

2.11.P-We127 Classification and Risk Assessment of Terrestrial Arthropods in European Agriculture: Integrating Ecological Diversity within the Revised NTTO Guidelines | **Heike Fremdt**, Bayer AG, Germany

2.11.P-We128 NTA Field Studies: Effect of Sampling Effort on Non-Target Arthropods (NTA) Field Data | **Melanie Hagen-Kissling**, Eurofins MITOX, Netherlands

2.11.P-We129 Developing a Framework For Identifying Sentinel Taxa for the Non-Target Arthropod Risk Assessment in Europe Using Field Effect Studies – A Case Study with Bembidion | **Saskia Aldershof**, Bioresearch & Evaluation, Netherlands

2.11.P-We130 From Field Variability to Regulatory Reliability: Rethinking Spider Testing in PPP Assessment | **Renan Toscano**, Labcorp, United Kingdom

2.11.P-We131 In-field exposure of non-target arthropods in the litter layer of treated crops | **Dinand Scholten**, Wageningen Environmental Research, Netherlands

2.11.P-We132 Clarifying Terminology for Off-Field Risk Assessment: Definitions of Edge-of-Field and Field Margin | **Sonja Braaker**, BASF, Germany

2.11.P-We133 Simulated Drift in Flower Strips – Effects on Non-target Arthropods | **Michael Peter Meissle**, Agroscope, Switzerland

2.11.P-We134 Reviewing Toxicokinetic Determinants of Pesticide Sensitivity in Invertebrates: a Bridge between Target and Non-Target Species | **Giulia Cafiero**, Wageningen University and Research (WUR), Netherlands

2.11.P-We135 Triazole Fungicides: New Disruptors of Hormonal Signaling in Coleopterans | **Paula Bolivar**, University of Castilla-La Mancha (UCLM), Spain

2.11.P-We136 A First Modelling Approach to Predict Behavioural Alterations in Porcellionides pruinosus | **Lorenzo Federico**, University of Milano Bicocca, Italy

2.11.P-We137 Developing a Generic Exposure Model for Leaf-Feeding Lepidopteran Larvae To Support Non-Target Arthropod (NTA) Risk Assessment (RA) | **Thomas Gräff**, German Environment Agency (UBA), Germany

2.11.P-We138 Application of the BufferGUTS model to determine toxicity thresholds for a set of 16 NTA species as key drivers for ecosystem services | **Andreas Focks**, University of Osnabrueck, Germany

2.11.P-We139 Identification of Biomarkers for Immunosuppression in PAMP-challenged Tribolium castaneum larvae using Transcriptome Analyses | **Kirsten Germing**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.11.P-We140 Determination of Immuno-Ecotoxicological Effects on the Ground Beetle Species Poecilus cupreus under Lab- and Landscape Conditions | **Erik Melchior**, Institute for Environmental Research (IFER), RWTH Aachen University, Germany

Unpacking Plastic Complexity: Investigating the Biological Impacts of Micro- and Nanoplastics, and Plastic Associated Chemicals | Anita Jemec Kokalj, Helena Oliveira, Alena Vdochenko, Dana Kühnel

2.13.P-We141 Effects of Leachate Prepared from Plastic Bag Microplastics on Aquatic and Terrestrial Organisms | **Anita Jemec Kokalj**, University of Ljubljana, Slovenia

2.13.P-We142 A Western-style diet shapes the gut and liver responses to low-dose, fit-for-purpose polystyrene nanoplastics in mice | **Muriel Mercier-Bonin**, Toxalim, Université de Toulouse, INRAE, ENVT, EI-Purpan, France

2.13.P-We143 A Risk Prioritisation Approach for Intentionally Added MPs for a UK Regulatory Context | **Sarah Roberts**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom

2.13.P-We144 Size Matters: Challenges and Recommendations for Reliable Microplastic Size measurement | **Gabriela Kalcikova**, University of Ljubljana, Slovenia

2.13.P-We145 Tire Rubber Particles Leachate Toxicity in Freshwater Ecosystems: Behavioral, Predator-Cue Responsiveness and Developmental Impairments in Physa acuta | **Ahlam Mohamed-Benhammou**, National University of Distance Education (UNED), Spain

2.13.P-We146 Evaluation of Plastic-Water Partitioning Coefficients of Polycyclic Aromatic Hydrocarbons in Seawater and Marine Plastic Wastes in Japan | **Hinata Mikuni**, University of Shizuoka, Japan

2.13.P-We147 Toxicity of Tire Rubber Additives 1,3-Diphenylguanidine and 4-Hydroxydiphenylamine to the Water Flea Daphnia magna | **Onni Sirkiä**, University of Eastern Finland, Finland

2.13.P-We148 Transcriptomic Signatures of Phthalates Exposure Reveal Potential Dysregulation of DNA Replication in Free-Ranging Mediterranean Fin Whales | **Giacomo Limonta**, University of Siena, Italy

2.13.P-We149 Investigation of the Adsorption of Dodine on Virgin and Artificially Aged Microplastics Using Ecotoxicological Methods | **Balázs Göbölös**, Hungarian University of Agricultural and Life Sciences (MATE), Hungary

2.13.P-We150 Synthetic microfiber-active pharmaceutical ingredients interactions: Toxicity in cells of a model oyster species | **Leticia Fernanda da Silva**, Instituto de Biociências, Campus do Litoral Paulista, Universidade Estadual Paulista (Unesp), Brazil

2.13.P-We151 Interactive Effects of Surface-Modified Polystyrene Microplastics and P25 TiO_2 Nanoparticles Under UV-A Irradiation: Experiments with a Marine Crustacean Artemia salina | **Camil Rex M**, Vellore Institute of Technology, Vellore, India

2.13.P-We152 Effect of Dissolved Organic Matter on the Chronic Toxicity of Ultraviolet-weathered Polylactic Acid Microplastics to Daphnia magna | **HyeonYeong Kim**, Korea University, Korea, Republic of

2.13.P-We153 Sub-Lethal Effects of Antibiotics and Microplastics on Daphnia magna: Reproduction and Microbiome Disruption | **Qiyun Zhang**, Laboratory of Environmental Toxicology and Aquatic Ecology (GhEnToxLab), Belgium

2.13.P-We154 Influence of Environmental Weathering on Microplastic Toxicity and Cadmium Vector Potential in Mussels Mytilus galloprovincialis: Histological, Histochemical and Biochemical Biomarker Assessment | **Manuel Soto**, University of the Basque Country (UPV/EHU), Spain

2.13.P-We155 Chasing microplastics: Experimental data for modelling their fate in sediments | **Barbara Klun**, Faculty of Chemistry and Chemical Technology, University of Ljubljana, Slovenia

2.13.P-We156 Nitrogen–microplastic interactions shaped by biofilm development on conventional and biodegradable microplastics | **Ula Putar**, University of Ljubljana, Slovenia

2.13.P-We157 Biofilm Formation and Gene Expression in Bacteria Exposed to Microplastics and Plastic-Derived Chemicals | **Marcus Lukas**, German Environment Agency (UBA), Germany

2.13.P-We158 Exploring the Role of Biofilms on the Co-Occurrence of Material and Chemical Pollution in a Changing World | **Louise Thurston**, Loughborough University, United Kingdom

2.13.P-We159 Assessing Microplastic Impact on Soil Microbial Communities: Integrating Metabarcoding Data into Regulatory-Relevant Endpoints | **Fabian Essfeld**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.13.P-We160 Bioplastics in Simulated River Systems: Additive Release and Dissolved Organic Matter (DOM) Characterization | **Marta Llorca-Casamayor**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

2.13.P-We161 Differences for effects between crustaceans and fish exposed to tire war particles | **Seiichi Uno**, Kagoshima University, Japan

2.13.P-We162 From Algae to Daphnia: Diet-Borne Nanoplastic effects on Transgenerational Transfer and Life-History Analysis | **Rega Permana**, University of Birmingham, United Kingdom

2.13.P-We163 Effects Of Micro- and Nanoplastic Exposure on Biological Endpoints as a Function of Particle Characteristics and Species Sensitivity | **Maaike Vercauteren**, Ghent University, Belgium

2.13.P-We164 Mitochondrial Dysfunction Induced by 6PPD-Q and Its Metabolites in Salmonid Fish | **Kyoshiro Hiki**, University of Tokyo, Japan

2.13.P-We165 Impact of Polystyrene and Polyamide Micro and Nano Plastics on Zebrafish Development | **Jorke Kamstra**, Institute for Risk Assessment Sciences, Utrecht University, Netherlands

2.13.P-We166 How Tire Particles Affect Fish: Integrating Cellular Stress Responses and Zn Accumulation | **Agnė Bučaitė**, Laboratory of Ecotoxicology, State Scientific Research Institute Nature Research Centre, Lithuania

2.13.P-We167 Medium-Driven Charge Shifts and Functionalized Nanoplastics Alter Developmental and Molecular Pathways in an Amphibian Model | **Elvis Genbo Xu**, University of Southern Denmark, Denmark

2.13.P-We168 Amniote Embryos Uncover Interactive Early Developmental Responses to Oppositely Charged Nanoplastics | **Elvis Genbo Xu**, Department of Biology, University of Southern Denmark, Denmark

2.13.P-We169 Toxicological Profiling of Polyethylene Terephthalate Micro- and Nanoplastics and Degradation Compounds in Human Liver Cells | **Helena Oliveira**, University of Aveiro (UA), Portugal

2.13.P-We170 Combined Effects of Mercury and Polyester Nanoplastics on Human Lung and Liver Cells | **Helena Oliveira**, CESAM, University of Aveiro, Portugal

2.13.P-We171 Micro- and Nano-plastic Exposure and Placental Health Risks: Evidence Integration within the TRAEC Strategy | **Yujie Liu**, State Key Laboratory of Reproductive Medicine; Key Laboratory of Modern Toxicology of Ministry of Education, School of Public Health, Nanjing Medical University, China (Mainland)

2.13.P-We172 Beyond the Polymer: Investigating How Plastic-Associated Chemicals Impact Algal Growth and Crustacean Behaviour | **Megan Olley**, Marine and Freshwater Research Centre, Atlantic Technological University Galway, Ireland

2.13.P-We173 Does the Size of Incubated Biodegradable Mulch Microplastics Alter Lettuce In Vitro Growth? | **Mathilde Henrion**, University of Lleida, Spain

2.13.P-We174 Strategic approach to increase environmental realism in leachate testing | **Dana Kühnel**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

2.13.P-We175 Microbial, Crustacean and Algal Responses to Leachates of Consumer Plastics: Assessing Toxicity and Biodegradation Potential | **Olga Novillo-Sanjuan**, Technical University of Denmark (DTU), Denmark

2.13.P-We176 Microplastics in Regurgitated Pellets of Predatory Birds in Southern England: Have We Been Underestimating Exposure? | **Rana Ozturk**, University of Reading/UK Centre for Ecology & Hydrology, United Kingdom

Advances in Exposure Modelling: Closing the Gap between Scientific Innovation and Regulatory Relevance | Juliet Hodges, Joris T.K. Quik, Sam Harrison, Oliver Warwick

3.02.P-We177 Validation of SVOC Transfer Modeling from Flooring to Indoor Dust: A Comparative Study of Parameter Determination Scenarios using Test-bed Data | **Jung-Hyun Park**, EH R&C Co., Korea, Republic of

3.02.P-We178 Application of an Individual-Based Integrated Exposure Assessment for Predicting Blood Lead Concentrations and Validation Using Biomonitoring Data | **Jung-Hyun Park**, EH R&C Co., Korea, Republic of

3.02.P-We179 Improved Chemical Product Evaporation Model (CPEM) using a Top-down Approach: Validation with Liquid Air Fresheners | **Jong-Hyeon Lee**, EH R&C Co., Korea, Republic of

3.02.P-We180 Modelled human exposure to trifluoroacetic acid (TFA) from atmospheric degradation of HFO-1234ze(E) emissions from prospective pMDI usage | **Shivendra Tewari**, AstraZeneca, United States

3.02.P-We181 Numerical modelling of water discharge dispersion from offshore hydrogen production : The Gulf of Lion case study | **Nicolas Michelet**, France Energies Marines, France

3.02.P-We182 Numerical modelling of chemical dispersion from offshore hydrogen production | **Nicolas Michelet**, France Energies Marines, France

3.02.P-We183 Environmental Risk Assessment of Product Type 18 Biocidal Products: A Comparative Analysis of Emission Scenario Document 2008 and 2024 Using Real-World Applications | **Kishor Acharya**, Exponent International Ltd., United Kingdom

3.02.P-We184 Optimal Ecological-Economic Harvesting of Bioaccumulators for Aquatic Bioremediation | **Sebastian Verslycke**, United World College, United States

3.02.P-We185 Chemical Risk Assessment Using Control Banding in the Safe and Sustainable by Design Framework: Application to Fuel Cell and Electrolyser Manufacturing | **Manon Lisiecki**, Univ. Grenoble Alpes, CEA LITEN DTNM, France

3.02.P-We186 Evaluating Metabolism and Accumulation of Polycyclic Aromatic Hydrocarbons in Juvenile Hybrid Striped Bass in Support of PBTK Modeling Efforts | **Gregory Langlois**, Clemson University, United States

3.02.P-We187 Advancing Geo-Environmental Risk Assessment for Residual Mercury in Soil: Modeling Mercury transformations and Exposure Dynamics | **Monami Kondo**, National Institute of Advanced Industrial Science and Technology, Japan

3.02.P-We188 Inverse TOXSWA Modelling for Level P-II Water-Sediment Kinetics: A Robust Approach | **Gerald Reinken**, Bayer AG, Research & Development, Crop Science, Germany

3.02.P-We189 Revisiting MACRO 5.2 Parameterization for FOCUS Surface Water Scenarios | **Gerald Reinken**, Bayer AG, Research & Development, Crop Science, Germany

3.02.P-We190 SpatialRepresentativeness and Temporal Variability in the FOCUS Surface Water Framework: Implications for Future Endpoint Selection | **David Patterson**, Syngenta Ltd, United Kingdom

3.02.P-We191 Field-Scale Run-off Vulnerability Mapping Using GIS Modelling to Support Precision Agriculture | **Olha Khomenko**, Cambridge Environmental Assessments (CEA), United Kingdom

3.02.P-We192 Outdated Forecasts: Climate Drift and the Future of Pesticide Risk Models | **Olha Khomenko**, Cambridge Environmental Assessments (CEA), United Kingdom

3.02.P-We193 Screening of PFAS Dynamics in the Rhine and Meuse Catchment: Future Scenarios in SimpleBox | **Tjebbe Janson**, National Institute for Public Health and the Environment (RIVM), Netherlands

3.02.P-We194 Climate-Driven PFAS Risk Prediction: Incorporating Rainfall Dynamics into Contamination Forecasting | **Olha Khomenko**, Cambridge Environmental Assessments (CEA), United Kingdom

3.02.P-We195 Stay updated: use of Bayesian learning algorithms for updating a probabilistic exposure model with chemical monitoring data | **Jannicke Moe**, Norwegian Institute for Water Research, Norway

3.02.P-We196 Modelling the Fate of Chemicals from Untreated Wastewater Discharges: A Routed and Spatially refined Model | **Juliet Hodges**, Unilever, United Kingdom

3.02.P-We197 Generating a Robust Global Dilution Factor Estimation from River Flow and Wastewater Effluent | **Christopher Holmes**, Applied Analysis Solutions LLC, United States

3.02.P-We198 Monitoring and Modelling Exposure to 6-PPD Quinone in UK Rivers | **Alistair Boxall**, University of York, United Kingdom

3.02.P-We199 Now You See It, Now You Don't: Describing Patterns in Environmental Chemicals at the Edge of Detection | **Michael Dunbar**, Environment Agency, England, United Kingdom

3.02.P-We200 Assessing the Significance of Heteroaggregation in Environmental Fate as a Tool for Nanoparticle Grouping | **Szymon Swiatek Brzezinski**, Laboratory of Environmental Chemoinformatics, University of Gdańsk, Poland

3.02.P-We201 Comparative Assessments of Environmental Plastics by Exposure Metrics in UTOPIA Modeling Scenarios | **Xiaoyu Zhang**, Stockholm University, Sweden

3.02.P-We202 The Emission and Spread of Tyre Wear Particles | **Lout Kuiper**, Sweco, Netherlands

3.02.P-We203 Comparison of exposure modelling tools used in different regulatory areas | **Heike Schimmelpfennig**, Dr. Brill Regulatory Services, Finland

Chemical Additives in Consumer Products – Analytical Methods, Challenges, and Regulatory Needs | Lisa Reinhardt, Tonie Wickman, Sicco Brandsma, Lisa Melymuk

3.06.P-We204 Next Generation Chemical Risk Assessment of Plastic Additives in Consumer Products Using LC- and DART-timsTOF-MS | **Lisa Reinhardt**, Vrije Universiteit Amsterdam (VU), Netherlands

3.06.P-We205 Safe and environmentally sustainable textile revalorization via chemical oxidation | **Tim Åström**, Stockholm University, Sweden

3.06.P-We206 Plastic Additives in Menstrual Products: from Analysis to Dermal Migration Experiments for Improved Exposure Estimates | **Lara Cioni**, Institute of Environmental Assessment and Water Research (IDAEA)-CSIC, Spain

3.06.P-We207 Virtual effect-directed analysis of granulated rubber: identification of bioactive chemicals | **Fredric Södergren Seilitz**, Orebro University, Sweden

3.06.P-We208 Impact of Sample Pre-processing and Extraction method on Quantification of Chemicals of Interest in Plastics | **Katarina Rusinakova**, Masaryk University, Czech Republic

3.06.P-We209 Analysis of PFAS and Plastic Additives using DART-MS | **Sicco Brandsma**, Vrije Universiteit Amsterdam (VU), Netherlands

3.06.P-We210 Hazardous chemicals in common infant garments – occurrence, migration into sweat and washout effect from laundry | **Awat Dostberg**, Stockholm University, Sweden

3.06.P-We211 Presence of Phthalate Impurities in Sunscreens and Implications for Exposure | **Lisa Melymuk**, Masaryk University, Czech Republic

3.06.P-We212 Elevated Rubber-derived Compound Concentrations in Indoor Climbing Halls Cannot be Mitigated by Climbing Hall Design or Operational Practices, Emphasizing the Need for Material-Level Solutions | **Anya Sherman**, IDAEA-CSIC, Spain

Coastal Environments: At the Intersection of Human Activities and the Open Ocean | Milo Leon de Baat, Rebecca von Hellfeld, Peter Schupp, Belen Gonzalez-Gaya

3.07.P-We213 Land Hermit Crabs as Coastal Ground Environmental Monitoring Partners | **Brian Minsoo Lee**, Korea University, Korea, Republic of

3.07.P-We214 Spatial Variation of Mercury Concentrations in Grey Seal (Halichoerus grypus) Pup Hair Across the UK | **Amy Bishop**, University of Alaska Anchorage, United States

3.07.P-We215 Assessment of Multiple Stressors in a Mediterranean Coastal Lagoon, Through Toxicity Assays, Contaminants and Microbiome Analysis of Sediments | **Chiara Dettoto**, University of Siena, Italy

3.07.P-We216 Contaminant Burden of Stranded Sentinels – Maternal Transfer of Legacy and Novel Persistent Organic Pollutants (POPs) | **Rebecca von Hellfeld**, University of Aberdeen, United Kingdom

3.07.P-We217 Testing environmental samples in an acute coral toxicity assay with adult Montipora digitata fragments | **Camille Vizon**, Carl von Ossietzky University of Oldenburg, Germany

3.07.P-We218 Seasonal Variations of Heavy Metal Concentration in Commercially Important Marine Fishes, Shrimps and Crabs in the Bay of Bengal Coast and the Implications for Human Health Risk in Bangladesh | **Md. Sirajul Islam**, Mawlana Bhashani Science and Technology University, Bangladesh

3.07.P-We219 Physiological and Ecotoxicological Effects of the Mineral Ultraviolet Filter Nano-Titanium Dioxide on Temperate Marine Microalgae | **Anneliese Hodge**, University of Plymouth & Plymouth Marine Laboratory, United Kingdom

3.07.P-We220 Mediterranean Seafood Under Scrutiny: Chemical Burden and Regulatory Implications | **Valentina Araya Piqué**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.07.P-We221 Investigating The Effect of Coastal Pollution, Seasonality and Weather Conditions on The Coastal Air Composition | **Silke Lambert**, Ghent University, Belgium

3.07.P-We222 Beyond the Turbines: Exploring Sediment Effects of Offshore Wind Farms on Marine Benthos, Corophium volutator and Hediste diversicolor | **Moses Ndugwa**, University of Antwerp, Belgium

3.07.P-We223 Continuous Monitoring of Emerging Contaminants in Seawater and Oysters, Dún Laoghaire Harbour | **Nicolette Sale**, Dublin City University, Ireland

3.07.P-We224 Land-to-Sea Subsurface Flow Transports Land-Derived Metal Pollutants into Coastal Coral Reefs | **Gal Vered**, Marine and Environmental Sciences Centre (MARE), Portugal

3.07.P-We225 Heavy Metals and Rare Earth Elements in Sediments and Biota of the Southwestern Iberian Peninsula: Pollution and Risk Assessment | **Julian Blasco**, Institute of Marine Sciences of Andalusia - Spanish National Research Council (ICMAN-CSIC), Spain

3.07.P-We226 Effects Of Gadolinium Exposure On Oxidative Stress In Two Brittle Star Species From The Ligurian Coast Of Italy | **Camilla Mossotto**, Experimental Zooprophylactic Institute of Piedmont, Liguria and Valle d'Aosta (IZSPLV); Regional Reference Centre for the Biodiversity of Aquatic Environments (BioAqua), Italy

3.07.P-We227 Characterization of Emerging Contaminants in Coastal Sediments from Andalusia Using an LC-HRMS Suspect-Screening Workflow | **Dana Orlando-Véliz**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.07.P-We228 Suspect screening of contaminants of emerging concern in aquatic biota from the Andalusian Atlantic coast | **Dana Orlando-Véliz**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.07.P-We229 Human Acitivty in a Coastal Urban Area: Occurrence of Pesticides, Pharmaceuticals, and Sunscreen Agents in Dublin Bay | **Patrick Sode**, Dublin City University (DCU), Ireland

3.07.P-We230 Flame Retardants in Dust from the Indoor Environments of Expedition Cruise Ships | **Lisa Melymuk**, Masaryk University, Czech Republic

3.07.P-We231 Monitoring of Contaminants of Environmental Concerns along the coastlines of the Mediterranean Sea: the ONE-BLUE project | **Sara Valsecchi**, Italian National Research Council (CNR), Italy

3.07.P-We232 Behaviour-based estimates of sunscreen-derived UV filter loads to a subtropical coral-reef beach in Okinawa, Japan | **Emiko Fujita**, Chiba Institute of Technology, Japan

3.07.P-We233 Tracing the Unseen Journey of PFAS in Coastal Aerosols: Evidence from Atmospheric Deposition Studies at the Danish North Sea Coast | **Theresa Döring**, Stockholm University, Sweden

3.07.P-We234 Mapping Organic and Inorganic Chemical Contamination Across the European Coastline | **Steven Brooks**, NIVA, Norway

3.07.P-We235 Fate and mobility of whale-watching vessel emissions in the marine environment and their effect on baleen whale behavior | **Meem Muhtasim Mahdi**, University of Iceland, Iceland

3.07.P-We236 Life-Long Exposure to Lower Water Quality and Enhanced Contaminant Risk May Enhance Coral Tolerance to Zinc | **Verena Schoepf**, University of Amsterdam, Netherlands

3.07.P-We237 Assessing the Occurrence and Drivers of Organic UV Blockers and Titanium in South-western European Coastal Waters | **Mário Araújo**, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Portugal

3.07.P-We238 Optimization of a Method to Assess the Exposure to Emerging Pesticides in the Atlantic Blue Crab Inhabiting a Threatened Sea Lagoon | **Pilar Gomez-Ramirez**, University of Murcia, Spain

3.07.P-We239 An integrated modelling and monitoring study on the sources, pathways, and environmental fate of pharmaceuticals in the Northern Adriatic Sea | **Loris Calgaro**, Ca' Foscari University of Venice, Italy

3.07.P-We240 Use of Sea Urchin Liquid-phase Bioassays for the Ecotoxicological Analysis of Construction Products in Coastal Environments | **Victoria Muñoz Ruiz**, University of Cantabria, Spain

3.07.P-We241 Oysters as pollution sentinels in a Basque estuary (Spain): seasonal and metabolic variability | **Belen Gonzalez-Gaya**, University of the Basque Country (PiE-UPV/EHU), Spain

3.07.P-We242 Conifer Resin Acids as Indicators for Ship Coatings' Environmental Impact | **Anja Prisching**, Carl von Ossietzky University of Oldenburg, Germany

Harnessing Nature: Innovative Bioremediation and Phytotechnologies for Contaminant Removal and Ecosystem Recovery | Rayco Guedes-Alonso, Paula Santiago Díaz, Jose Julio Ortega-Calvo, Anna Barra Caracciolo

3.13.P-We243 Assessment via Target and Suspect Screening of the Fate of Mobile Organic Contaminants and Transformation Products in Sustainable Urban Drainage Systems | **Filippo Chierchini**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.13.P-We244 Links Between Environmental Heterogeneity, Microbial Community Assembly, and Micropollutant Removal in Constructed Wetlands | **María José Monge Salazar**, Stockholm University, Sweden

3.13.P-We245 From pilot to deployment: a high-efficiency, nature-based technology for contaminant removal and ecosystem recovery | **Luisa Orsini**, School of Biosciences and Centre for Environmental Research and Justice, University of Birmingham, United Kingdom

3.13.P-We246 Lignosulphonate, A Green Surfactant-Driven Bioavailability to Accelerate Bioremediation: A Circular Strategy to Address Recalcitrant Contaminants in Polluted Soils and Sediments | **Muneeswari Rajasekaran**, Mid Sweden University, Sweden

3.13.P-We247 Removal of per- and polyfluoroalkyl substances in a Multifunctional Decentralized Wastewater Treatment System | **Nico Grasse**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.13.P-We248 Two stage biological removal of chlorophenoxy acid pesticides combining moving bed biofilm and biofiltration reactors from contaminated groundwater. A pilot-scale study | **Andrea Mongelli**, Aarhus University, Denmark

3.13.P-We249 Plastic additive enrichment drives shifts in microbial communities with traits of plastic degradation | **Eva Sonnenschein**, Swansea University, United Kingdom

3.13.P-We250 Role of plant leaves in the degradation of airborne pollutants: biodegradation vs. photodegradation of Polycyclic Aromatic Hydrocarbons | **Elisa Terzaghi**, University of Insubria, Italy

3.13.P-We251 Iron-Enriched Biochar for the Removal of Mn(II) and Ni(II) from Drinking Water | **Juliette Lepley**, Environmental Analytics, Agroscope; Norwegian University of Life Sciences (NMBU), Switzerland

3.13.P-We252 Uptake and Depuration of Short- and Long- Chain Per- and Polyfluoroalkyl Substances in Submerged, Floating and Emergent Aquatic Plants | **Michael Deligiannis**, Wageningen University and Research (WUR), Netherlands

3.13.P-We253 Degradation and formation of PACs during the bioremediation of creosote-polluted soil combined with toxicity and microbial community analysis | **Maria Jordán**, University of Barcelona, Spain, Spain

3.13.P-We254 Organic Micropollutant Transformation Products in Brachypodium Distachyon | **Selina Ilchmann**, Wageningen University and Research (WUR), Netherlands

3.13.P-We255 Harnessing Recycled Manganese/Iron Oxide Sand In Constructed Wetlands For Enhanced Organic Micropollutant Removal | **Han Liu**, Wetsus, Netherlands

3.13.P-We256 Plant-microbe interplay influencing urban pollutant transformation in percolation systems | **Karolin Seiferth**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.13.P-We257 A trend prediction model of natural attenuation in groundwater based on machine learning and microbial community | **Xiaodong Zhang**, Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, China (Mainland)

3.13.P-We258 In-Situ Remediation of Contaminated Sediments in Open Waters and Wetlands | **Charlie Menzie**, Exponent Inc., United States

3.13.P-We259 Unravelling Steroid Hormone Transformation Pathways in a Natural Wastewater Treatment System Through High-Resolution Suspect Screening | **Rayco Guedes-Alonso**, University of Las Palmas de Gran Canaria (ULPGC), Spain

3.13.P-We260 Enhancing Steroid Hormone Removal in a Natural Wastewater Treatment System Through Biosorbent Substrates and Aeration | **Rayco Guedes-Alonso**, University of Las Palmas de Gran Canaria (ULPGC), Spain

3.13.P-We261 A site-specific diagnostic framework for immobilization of metals and metalloids using dolomite-modified biochar in alkaline soils | **Sampriti Chaudhuri**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.13.P-We262 Evaluation of Sunflower Capability in Recovering a Multi-Contaminated Soil Mixed With Polychlorobyphenil Polluted Marine Sediment | **Aurora Rutigliano**, University of Bari, Italy

3.13.P-We263 Nature-based Remediation of Metal Pollutants in Nature Areas (NARMENA): An Ecological Modelling Approach | **Karel Vlaeminck**, ARCHE Consulting, Belgium

3.13.P-We264 Reducing Antibiotic Resistance Genes via vermiremediation in soils treated with Oxytetracycline, Sulfamethoxazole, and Enrofloxacin | **Nerea Garcia-Velasco**, Research Centre for Experimental Marine Biology and Biotechnology (PiE-EHU/UV), University of the Basque Country, Spain

3.13.P-We265 Assessing the toxicity of phytoremediated mining soils on Eisenia fetida and Lactuca sativa | **Nerea Garcia-Velasco**, Research Centre for Experimental Marine Biology and Biotechnology (PiE-EHU/UV), University of the Basque Country, Spain

3.13.P-We266 Anaerobic biodegradation by microbial fuel cell of the insecticide imidacloprid for the production of sustainable energy. | **Flávio Teixeira da Silva**, University of São Paulo, Lorena Engineering School, Brazil

3.13.P-We267 Integrating Molecular and Geochemical Evidence of Biodegradation during Bioremediation of a Linear Alkylbenzene-Impacted Aquifer with a tailored native microbial consortium | **Pol Martin**, University of Barcelona, Spain

Out of the Norm: Assessing Fate, Safety, and Sustainability of Biodegradable Polymers | Glauco Battagliarin, Andrea Valsesia, Michael Zumstein, Pippa Kate Curtis-Jackson

3.19.P-We268 Improved Digital Representation of Polymers for Better Biodegradation Assessment | **Patrizia Marie Schmidt**, BASF, Germany

3.19.P-We269 Water Soluble and Dispersible Polymer Biodegradation and Transformation Pathway Data Curation to Enable the Development of Modelling Tools | **Susan Csiszar**, Procter & Gamble, United States

3.19.P-We270 High Throughput Automation Modifications to OECD 302B Biodegradation Assay Using Robotic Interface | **Yu Xue**, Ashland Central R&D Team, Netherlands

3.19.P-We271 Improving Polymer Biodegradability Assessments with the Probabio Method | **Mickael Cregut**, syensqo, France

3.19.P-We272 Investigating Freshwater Microbial Communities and Their Potential for Biodegradation of Water-Soluble Polymers | **Anika Mikes**, Christian Doppler Laboratory for Biodegradation of Water-Soluble Polymers, Centre for Microbiology and Environmental Systems Science, University of Vienna, Austria

3.19.P-We273 Applicability and Improvements of OECD (bio)degradation Testing for Water-soluble Polymers | **Boris Meisterjahn**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.19.P-We274 Inter-laboratory testing of two polyurethane dispersions according to the enhanced OECD 301 F test guideline | **Christopher Hughes**, Embark Chemical Consulting, United Kingdom

3.19.P-We275 Evaluating Analytical Tools for Assessing the Degradation of Polysaccharide-based water-soluble polymers | **Prabodhi Preethika Dehiwalage Dona**, Newcastle University, United Kingdom

3.19.P-We276 Rapid Screening Tool to Assess Likelihood of Degradation for Research Samples | **Christine McInnis**, International Flavors & Fragrances Inc. (IFF), United States

3.19.P-We277 Bridging Laboratory and Environmental Relevance: Soil Biodegradation of Polymers via Oxygen Consumption Monitoring (ISO 17556) | **Mickael Cregut**, syensqo, France

3.19.P-We278 From Functional Lifetime to Soil Breakdown: A Field Realistic Degradation Method | **Mona Duhme**, Fraunhofer Institute for Environmental, Safety and Energy Technology UMSICHT, Germany

3.19.P-We279 From Fragmentation to Complete Biodegradation: Understanding the Fate and Timescales of Biodegradable Polymer Fragments in the Environment | **Patrizia Marie Schmidt**, BASF, Germany

3.19.P-We280 Polymer Biodegradability and the Link Between Abiotic and Biotic Degradation | **Christian-Sebastiano Toppi**, Le Mans University, France

3.19.P-We281 Assessing aqueous photo-degradability of novel polymers containing hydrolysable additives or oxidizable functional groups | **Ryan Sullivan**, Carnegie Mellon University, United States

3.19.P-We282 Development and Validation of a Laboratory Protocol to Assess Biodegradability and Ecotoxicity of Per- and Polyfluoroalkyl Substance Alternative Polymers and Their Transformation Products | **Qiyun Zhang**, Laboratory of Environmental Toxicology and Aquatic Ecology (GhEnToxLab), Belgium

3.19.P-We283 Comparative Ecotoxicological Assessment of Microplastics Derived from Biodegradable and Conventional Plastics | **Norihisa Tatarazako**, Ehime University, Japan

3.19.P-We284 Ecotoxicity of Biopolymers – Learnings from the Lab to the Field Scale | **Marie Winter**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME); University of Osnabrueck, Germany

3.19.P-We285 Ecotoxicity assessment of Seaweed-Based Packaging Materials using Capitella teleta | **Timpy Timpy**, School of Physical and Chemical Sciences, Queen Mary University of London, United Kingdom

3.19.P-We286 Development and demonstration of sustainable bio-based materials for the marine environment | **Nelle Meyers**, Flanders Marine Institute (VLIZ), Belgium

3.19.P-We287 Biodegradable Safe and Sustainable by Design Polymers for Packaging of Oily Food and Cosmetic Products | **Arantxa Ballesteros Riaza**, ITENE research centre, Spain

3.19.P-We288 Safe and Sustainable by Design Development of Next-Generation Biodegradable Polymers for Circular Packaging Applications | **Arantxa Ballesteros Riaza**, ITENE research centre, Spain

3.19.P-We289 Safe and Sustainable Bio-based Polymers: Assessing safety and environmental impact of 5-(Hydroxymethyl)furfural Derivates in the CERISEA Project | **Javier Alcodori**, ITENE Research Centre, Spain

3.19.P-We290 Connecting Disciplines to Shape Sustainable Bioplastics Futures: A System-Dynamics Meta-Framework | **Y.B. (Yme) Van Lith**, Wageningen University and Research (WUR), Netherlands

PMT/vPvM Substances: Advances in Identification, Prioritisation, Risk Assessment and Regulation | Michael Neumann, Chesney Swansborough, Julia Hartmann

3.22.P-We291 The impact of Standards in Mobility testing - a case of fragrance materials | **Aurelia Lapczynski**, Research Institute for Fragrance Materials, United States

3.22.P-We292 Applying In silico Models to Screen Persistent Mobile and Toxic Substances in Waste Water Treatment Plants Worldwide | **Arianna Sgariboldi**, University of Insubria, Italy

3.22.P-We293 Behaviour of Persistent and Mobile Chemicals (PMs) in Aquifer Sediment Microcosms under Different Redox Conditions | **Tianqi Li**, Helmholtz Centre for Environmental Research – UFZ, Germany

3.22.P-We294 Overcoming Chromatographic and Extraction Challenges for the Determination of PMT/vPvM Substances in Water | **Natalia Sáez Rosique**, University of Girona, Spain

3.22.P-We295 Persistent and Mobile Chemicals in Groundwater: An Overlooked Challenge for Drinking Water Quality | **Xiaojing Zhu**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

3.22.P-We296 Leveraging mass spectrometry data for predicting chemical persistence and mobility via transformer models | **Yingxiao Yan**, Stockholm university, Sweden

3.22.P-We297 Development and validation of a GC–MS/MS method for the determination of EPA priority PAHs and metabolites in marine sediments | **Dulce Soliz Rojas**, Institute of Organic Chemistry - Spanish National Research Council (IQOG-CSIC), Spain

3.22.P-We298 Monitoring Data as a Tool for Chemical Mobility Assessment: Opportunities, Challenges and Ways Forward | **Chesney Swansborough**, Vitis Regulatory, United Kingdom

3.22.P-We299 Developing a Basin-Scale Environmental Exposure Model for Persistent, Mobile, and Toxic (PMT) substances with Melamine as a Validation Case | **Jianguo Liu**, State Key Laboratory of Regional Environment and Sustainability, College of Environmental Sciences and Engineering, Peking University, China (Mainland)

3.22.P-We300 PMT substances in the Human Food Chain: Methodologies for Assessing their Occurrence and Fate | **Stefan van Leeuwen**, Wageningen Food Safety Research (WFSR), Netherlands

P-We | Wednesday Poster Presentations

3.22.P-We301 Making the EU's Common Data Platform's database of alternatives to substances of concern an effective tool for substitution of PMT/vPvM substances | **Hans Peter Arp**, Norwegian Geotechnical Institute (NGI), Norway

3.22.P-We302 Application of a screening level multimedia activity model for evaluating the fate of persistent mobile organic chemicals | **Todd Gouin**, TG Environmental Research, United Kingdom

3.22.P-We303 Machine learning coupled with causal inference to identify persistent, mobile and toxic pharmaceuticals and disinfectants | **Biao Jin**, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, China (Mainland)

3.22.P-We304 Assessing the State of Science and Developing Best Practices for Mobility Assessment of Difficult-to-Test Substances | **Christopher Hughes**, Embark Chemical Consulting, United Kingdom

3.22.P-We305 Comparative Evaluation of Koc Determination Methods for Fragrance Ingredients Under New EU Mobility Criteria | **Arturo Mendoza**, Givaudan, Switzerland

3.22.P-We306 The Non-Extractable Residue Problem in Kinetic Analysis | **Vera Papasova**, Environmental Resource Management (ERM), United Kingdom

3.22.P-We307 Improving the Determination of the Organic Carbon – Water Adsorption Coefficient (Koc) for Down-the-Drain Chemicals Using a Sewage Sludge Adsorption Assay | **Gordon Sanders**, Givaudan International SA, Switzerland

3.22.P-We308 OECD TG 309 and the validity criteria for the reference substance: Is there a good season to collect the surface water? | **Kristina Miller**, Noack Laboratorien, Germany

3.22.P-We309 Linking Structure and Hazard: Acute Ecotoxicity of Triazine PMT and PMT-like Compounds | **Natalia Karadimitriou**, University of Amsterdam (UVA), Netherlands

Trifluoroacetic Acid in the Environment – Here Today, More Tomorrow | Hans Peter H. Arp, Shira Joudan, Mark L. Hanson, Finnian Freeling

3.28.P-We310 Occurrence of Trifluoroacetic Acid in Surface Water and Groundwater from Swedish Agricultural Areas | **Gustaf Boström**, SLU Centre for Pesticides in the Environment, Swedish University of Agricultural Sciences, Sweden

3.28.P-We311 Occurrence of trifluoroacetic acid and other ultrashort-chain PFAS in groundwater | **Elvio Amato**, KWR Water Research Institute, Netherlands

3.28.P-We312 Monitoring Ultra-Short Chain PFAS in Flanders: Occurrence, Patterns, and Tracing TFA | **Karel Vlaeminck**, ARCHE Consulting, Belgium

3.28.P-We313 TFA Analysis in Drinking Water | **Jianru Stahl-Zeng**, SCIEX Germany, Germany

3.28.P-We314 The Prevalence of Trifluoroacetic Acid in Drinking Water Supplies across England and Wales | **Elaine Jennings**, Ricardo-AEA Ltd, Spain

3.28.P-We315 Trifluoroacetic Acid (TFA) in the Environment: Multiple Sources and Regulatory Challenges | **Dania Esposito**, Italian National Institute for Environmental Protection and Research (ISPRA), Italy

3.28.P-We316 Policy Analysis for the Identification and Quantification of European Sources of Trifluoracetic acid | **Rachel Lucy London**, University of Amsterdam (UVA), Netherlands

3.28.P-We317 Derivation of Guidance Values Under the EU Drinking Water Directive: the Case Study of Trifluoroacetic Acid | **Derek Wallace**, ISK Biosciences Europe N.V., United Kingdom

3.28.P-We318 Structural Impact on the Aquatic Fate of Aryl-CF3 Contaminants: Persistence, Defluorination, and Formation of TFA | **Shira Joudan**, University of Alberta, Canada

3.28.P-We319 Atmospheric Deposition of TFA from Urban, Rural, and Remote Regions | **Cora Young**, York University, Canada

3.28.P-We320 Bioaccumulation and Toxicity of Trifluoroacetic Acid (TFA): Weight-of-Evidence for Environmental Risk Assessment | **Christopher McCarthy**, Jacobs, USA

3.28.P-We321 Aerosol Microdroplet Photochemistry Enables Unexpected Transformations of Polyfluorinated Alkyl Contaminants that Produce Ultra-Short PFAS | **Ryan Sullivan**, Carnegie Mellon University, United States

3.28.P-We322 Analytical Development for the Qualification and Quantification of Environmentally Relevant Concentrations of Trifluoroacetic Acid (TFA) | **Rory Mumford**, Smithers, United Kingdom

Environmental Risks of (New) Chemicals Used in Maritime Transport | Marlea H.A.B. Wagelmans, Edwin Foekema, Roberto Martins

4.05.P-We324 Ecotoxicity and circular revalorization of Bio-Sourced and Thermosetting Polymeric Coatings | **Mariana Bruni Marques do Prado e Silva**, University of Aveiro, Portugal

4.05.P-We325 Are Innovative Ultra-Low Friction Silicone Foul-Release Coatings Viable Green Alternatives? | **Diogo Gama**, University of Aveiro, Portugal

4.05.P-We326 Biodiesel Produced in Brazil as Candidate Low-Carbon Fuel for Maritime Transportation under the International Maritime Organization Strategy on Reduction of Greenhouse Emissions from Ships | **Lucas Pereira**, Embrapa Environment, Brazil

4.05.P-We327 Environmental Risk Assessment of 'Green' Fuels in shipping | **Janne Fritt-Rasmussen**, Aarhus University, Denmark

4.05.P-We328 Effects of Ammonia Fuel Spills on Marine Microorganisms: Initial Insights from a Mesocosm Experiment. | **Julie Svensgaard**, Aarhus University, Denmark

From Nanomaterials to Advanced Materials: Ensuring Safety in Innovation | Carmen Wolf, Wenhong Fan, Wendel Wohlleben, Virginia Unamuno

4.08.P-We329 Exposure Alteration of Silver Nanoparticles by Key Member Sphingomonas in Daphnia magna | **Jesse Ouwehand**, Leiden University, Netherlands

4.08.P-We330 Surface Coatings Regulate the Biodynamics and Trophic Transfer of Silver Nanoparticles: Insights from Au@Ag Core-Shell Nanoparticle | **Yufei Zhao**, School of Materials Science and Engineering, Beihang University, China (Mainland)

4.08.P-We331 Toxicity Assessment of Silver Nanoparticles in Aquatic Organisms from Different Trophic Levels | **Mario Alberto Arzate-Cárdenas**, Universidad Autónoma de Aguascalientes, Mexico

4.08.P-We332 Evaluation of the acute toxicity of six nanoparticles used in industry and cosmetics in Danio rerio and Chlorella vulgaris | **Mario Alberto Arzate-Cárdenas**, Universidad Autónoma de Aguascalientes, Mexico

4.08.P-We333 Environmental Implications of Nano-Enabled Rapid Antigen Test Kits: A Cross-Species Ecotoxicological Assessment | **Tarryn Botha**, University of Johannesburg, South Africa

4.08.P-We334 Hormetic Responses of Raphidocelis subcapitata to TiO2 Nanoparticles: Role of Reactive Oxygen Species and Metabolic Reprogramming | **Vera Slaveykova**, University of Geneva, Switzerland

4.08.P-We335 Ecotoxicity, Ingestion and Depuration of Nano-Enabled Fertilizers in Algae (Raphidocelis subcapitata) and Crustaceans (Daphnia magna) | **Katerina Giaki**, Technical University of Denmark (DTU), Denmark

4.08.P-We336 Safety and sustainability of innovative materials – the communication and knowledge base MANTRA | **Dana Kühnel**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

4.08.P-We337 Ecotoxicological effects of fibrous and platelet-shaped advanced materials on Daphnia magna | **Dana Kühnel**, Helmholtz Center for Environmental Research (UFZ), Germany

4.08.P-We338 Ecotoxicological Effects of Fibrous and Platelet-shaped Advanced Materials on Freshwater Algae and Cyanobacteria | **Karsten Schlich**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.08.P-We339 An Integrated Approach to Evaluate the Safety of Innovative Materials for Water Treatment According to the SSbD Framework | **Beatrice Negrini**, University of Milano-Bicocca, Italy

4.08.P-We340 Assessing the Host-Microbiome Interplane in Nano-Ecotoxicology: Moving Beyond an Endpoint | **Jesse Ouwehand**, Leiden University, Netherlands

4.08.P-We341 A Regulatory Framework for Assessing the Variability & Safety of Nanoforms | **Kai Paul**, Blue Frog Scientific Limited, United Kingdom

4.08.P-We342 Integration of the Eco-corona into Regulatory Nanomaterial Ecotoxicity and Fate Testing | **Maria Bille Nielsen**, Technical University of Denmark (DTU), Denmark

Navigating Marine Pollution in a Changing Climate: Emerging Contaminants, Ecosystem Impacts, and Integrated Solutions | Steven Brooks, Ioanna Katsiadaki, Marinella Farre, Mathijs Smit

4.11.P-We343 Warming Increases the Toxicity of Plastic Additives in the Marine Copepod Centropages typicus: Towards Climate-Aware Marine Pollution Risk Assessment | **Paula Aguilera**, Institut de Ciències del Mar - CSIC, Spain

4.11.P-We344 Microplastic Contamination In Deep-Sea Invertebrates From The Central Mediterranean Sea | **Camilla Mossotto**, The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy

4.11.P-We345 Plastic Meets Climate: Nitokra spinipes in the Face of Dual Challenge | **Juliette Grandjean**, Flanders Marine Institute (VLIZ), Belgium

4.11.P-We346 Assessing Marine Ecotoxicity of Hazardous Constituents in Oilfield Produced Water | **Juacyara Carbonelli Campos**, School of Chemistry - UFRJ, Brazil

4.11.P-We347 Comparing Acute Freshwater and Marine Toxicity Data to Inform the Potential Use of REACH Freshwater Data in the Harmonised Mandatory Control System (HMCS) for Offshore Oil and Gas Production Chemicals | **Lucy Kennelly**, wca environment Ltd., United Kingdom

4.11.P-We348 Offshore Chemical Regulatory System & Risk Assessment | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

4.11.P-We349 PEARL Project: Integrated Assessment of Environmental Fate and Ecotoxicological Risk of Chemical Emissions from Offshore Wind Farms | **Matthieu Dussauze**, France Energies Marines, France

4.11.P-We350 The risks of multiple human activities to benthic biodiversity disturbance in the Belgian Part of the North Sea: quantitative assessment using an adapted InVEST model | **Dries Lorré**, Blue Growth Research Lab (BGRL), Ghent University, Belgium

4.11.P-We351 The origin of sediment organic carbon influences hydrophobic organic pollutant dynamics in Arctic shelf sediments | **Xiaodi Shi**, Stockholm University, Sweden

4.11.P-We352 Cleaning Sediments and Restoring Ecosystems – Evolving Towards an Adaptive Risk Assessment and Management Framework | **Robert Johnston**, Applied Ecological Solutions, USA

4.11.P-We353 Ostreopsis cf. ovata and benthic invertebrates in the Mediterranean Sea: An ecotoxicological study | **Guillaume Barnouin**, Université Côte d'Azur, CNRS, ECOSEAS, UMR 7035, France

4.11.P-We354 Effects of Rising Temperatures on Oxidative Stress Biomarkers in the Mussel Mytilus galloprovincialis | **Alessandra Maganza**, The Veterinary Medical Research Institute for Piedmont, Liguria and the Aosta Valley, Italy

4.11.P-We355 Power Under Pressure: Cellular Energy Allocation and Glutathione S-Transferase Reveal Bivalve Stress from Exposure to Natural Radioactivity | **Chris Martin**, Centre for Environment, Fisheries and Aquaculture Science (Cefas), United Kingdom

4.11.P-We356 Cellular Responses in Haemocytes Induced by Exposure to Chemicals of Emerging Concern | **Steven Brooks**, Norwegian Institute for Water Research, Norway

4.11.P-We357 Interactive effects of citalopram and climate stressors on sea urchin embryo development | **Alexandre Schönemann**, Spanish Institute of Oceanography (IEO-CSIC), Spain

4.11.P-We358 Establishment of Baseline Total Hemocyte Count (THC) in the Marine Amphipod Parrhyale hawaiensis | **Natália de Farias**, Universidade Estadual de Campinas, Brazil

4.11.P-We359 Acute Toxicity Testing in the Marine Medaka (Oryzias melastigma): Protocol Adaptation and Refinement | **David Nos**, MARBEC Universite de Montpellier, France

4.11.P-We360 Abidjan Convention and the Chemical Management Strategy | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

Complementing and Combining LCA with Other Methodologies for Better Decision Making | Lucia Rigamonti, Ana Judith Guerrero Esquivel, Andrea M Carrao, Frida Røyne

5.04.P-We361 Recommend Economic, Environmental and Social Consideration for Cereal Production socio-eco-efficiency evaluation and predictive optimisation | **Hamza Taoumi**, Sidi Mohamed Ben Abdellah University, Morocco

5.04.P-We362 Challenges of Social Life Cycle Assessment in Agri-food systems | **Melanie Douziech**, Agroscope, Switzerland

5.04.P-We363 Forecast and Prevent: A dynamic LCA-integrated Decision Framework for Reducing Food Waste in the Visitor Eocnomy | **Sara Zanni**, University of Bologna, Italy

5.04.P-We364 Can You Keep (Your) Score? How Methodological Choices Affect the Sustainability Score of Your Food | **Yanne Goossens**, Thünen Institute, Germany

5.04.P-We365 A Combined Sustainability Approach to Guide Infrastructure Design for Poly(hydroxyalkanoate) Production from Food Waste | **Serena Righi**, University of Bologna, Italy

5.04.P-We367 Visualizing multi-way relationship of environmental burdens and economic benefits in global supply chains of nations | **Keitaro Maeno**, National Institute of Advanced Industrial Science and Technology, Japan

5.04.P-We368 A Framework for Evaluating Nutrients Recovery Alternatives | **Dewan Sabbir Ahammed Rayhan**, Department of Management, University of Verona, via Cantarane 24, 37129 Verona, Italy, Italy

5.04.P-We369 Material Flow Analysis and Life Cycle Assessment of Aluminium: Challenges and Steps Toward Circularity | **Sara Venturelli**, KU Leuven University, Italy

5.04.P-We370 Life Cycle Assessment of Buildings Based on Forest Carbon Sequestration Using Satellite Data | **Miyu Yamaguchi**, Waseda University, Japan

5.04.P-We371 Where to install the next direct air capture and storage plant? Optimal Technology Deployment via Integrated Lifecycle Assessments and Techno-Economic Optimization | **Vittoria Bolongaro**, ETH Zurich, Switzerland

5.04.P-We372 Circularity and Life Cycle Assessment of climbing holds made from recycled polyamide climbing ropes | **Ruud Bongers**, Maastricht University, Netherlands

5.04.P-We373 Integrating Life Cycle and Circularity Assessment to Guide Eco-design of Functional Electronics | **Jana Deckers**, Flemish Institute for Technological Research (VITO), Belgium

5.04.P-We374 Refined Methodology for Assessing Corporate Water Footprint Across the Entire Value Chain | **Jacques L'Haridon**, L'Oréal, France

5.04.P-We375 From lab to rail: A Combined Mechanical LCA Matrix for Fiber Reinforced Polymers | **Sabrina Diniz**, German Aerospace Center (DLR), Germany

5.04.P-We376 Thermal-Comfort Impacts of Residential Heat Pumps | **Joris Quik**, National Institute for Public Health and the Environment (RIVM), Netherlands

5.04.P-We377 Comparing Simplified Environmental Indicators with LCA: A Case Study on Noble Metals Recovery from E-Waste | **Alessandro Francini**, University of Modena and Reggio Emilia, Italy

5.04.P-We378 Integrating persistent mobile toxic chemicals into life cycle assessment: a cradle-to-grave evaluation of a low-carbon, nature-based wastewater treatment technology | **Luisa Orsini**, University of Birmingham, United Kingdom

5.04.P-We379 Integrating the Impacts of Wildfire into Life Cycle Assessment: An Approach Applied to an Extensive Livestock System | **Tamara Schmidt**, IRTA, Spain

5.04.P-We380 Variability of Logistics Services: Insights for Life Cycle Assessment | **Sara Toniolo**, University of Verona, Italy

5.04.P-We381 Modeling Ecolabel Certification Credibility under Climate Uncertainty: Toward Integrated Sustainability Assessment | **Sandra Ceballos-Santos**, ESCI-UPF (Unesco Chair in Life Cycle and Climate Change), Spain

Life Cycle Assessment for Sustainability Decisions: Methodological Challenges and Future Directions | Iris Kral, Jacques L'Haridon, Roland Hischier, Esther Sanye-Mengual

5.09.P-We382 Qualitative And Quantitative Comparison Between Emerging Guidelines for Automotive Life Cycle Assessment in Europe: A Case Study of a Battery Electric Vehicle | **Hazem Eltohamy**, Leiden University, Netherlands

5.09.P-We383 Assessing Individual Carbon Footprints in Higher Education in Taiwan: A Behavior-Linked Emission Model | **Szu-Chieh Chen**, Chung Shan Medical University, Taiwan (Greater China)

5.09.P-We384 Decision Making Towards the Hydrogen Economy: Product Environmental Footprint Category Rules for Fuel Cells for Electricity Production – Proposal and Results of the HyPEF Project | **Till M. Bachmann**, EIFER, Germany

5.09.P-We385 Integrated Tool for Quantification and Communication of Carbon Footprint in Brazilian Livestock Production | **Rafael Zortea**, IFSul - Câmpus Sapiranga, Brazil

5.09.P-We386 Developing a Scalable Carbon Budgeting Framework for Decarbonising UK Highway Maintenance: Evidence from a Cornwall Case Study | **Xiaocheng Hu**, University of Exeter, United Kingdom

5.09.P-We387 Ecotoxicity Impacts of Chemical Pesticides Applied to Vegetable Crops in Finland During 2003–2019 | **Kati Räsänen**, Natural Resources Institute Finland (Luke), Finland

5.09.P-We388 Normalization And Weighting As Tools For Product Development – A Case Study Of An Electrode | **Lotta Hepo-oja**, Technical Research Centre of Finland Ltd. (VTT), Finland

5.09.P-We389 Harmonizing Life Cycle Inventories for Agricultural Products: A Swiss Case Study on Environmental Benchmarking and Reporting | **Melanie Douziech**, Agroscope, Switzerland

5.09.P-We390 Life Cycle Assessment in Regulatory Science: the should, could and shouldn't | **Rachael Rothman**, University of Sheffield, United Kingdom

5.09.P-We391 Integrating LCA and Energy Modelling in Buildings with Green Roofs: Methodological Challenges | **Paula Quinteiro**, University of Aveiro, Portugal

5.09.P-We392 Evaluating Urban Greening as an Urban Heat Island Mitigation Strategy in Tokyo Through Life Cycle Assessment. | **Ylva Karin Perynea Wallmark**, Waseda University, Japan

5.09.P-We393 Scope 3 Environmental Impacts of Workplace IT: Finding the Balance Between Insights and Actions | **Alireza Soltani Nezhad**, TNO; Radboud University, Netherlands

5.09.P-We394 On The Relevance of Lab-scale Life Cycle Assessments | **Rickard Arvidsson**, Chalmers University of Technology, Sweden

5.09.P-We395 Evaluation of Net-Zero Strategies for Construction Products Using Life Cycle Assessment | **Ewa Katarzyna Lagodzka**, Aalborg University, Denmark

5.09.P-We396 Grounding future regulations into common standard for pharmaceuticals LCA: hands-on comparison of UK standard and French guideline | **Kranti Navare**, Arcadis, Belgium

5.09.P-We397 Cradle-to-grave LCA of Ethinyl Estradiol: Production hotspots and End-of-Life Burdens | **Muhammed Ayaj Ansar**, Radboud University, Netherlands

5.09.P-We398 Miscanthus to Xylo-oligosaccharides and Biocarbon: Innovating Feed, Food and Steel Industries with the MAXFEED System | **Ariane Silveira Sbrice Pinto**, Aston University, United Kingdom

5.09.P-We399 A Call for Revising ISO 14040 and 14044 | **Tomas Ekvall**, Tomas Ekvall Research, Review & Assessment, Sweden

5.09.P-We400 Enhancing Supply Chain Transparency in Electric Arc Furnace Stainless Steel Production: A Decision Support Tool Based on Life Cycle Assessment | **Luca Testini**, Politecnico di Milano, Italy

5.09.P-We401 Environmental sustainability benchmarking in the construction sector | **Alexandra Weniger**, RWTH Aachen University, Germany

5.09.P-We402 Beyond the Cell: Unlocking Sustainability in Battery Pack Design for Electric Mobility | **Rafaela Gonçalves**, INEGI - Institute of Science and Innovation in Mechanical and Industrial Engineering, Portugal

5.09.P-We403 Smart design for a dual-purpose farm level calculation tool for beef cattle – reconciling advising and reporting | **Veerle Van linden**, Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Belgium

5.09.P-We404 Review of using Multi-Criteria Decision Analysis in Life Cycle Sustainability Assessment studies | **Christina Wulf**, Research Center Jülich GmbH, Germany

Bringing "Design" back to SSbD: Designing Molecular Structures for Safety and Sustainability | Rachel Lucy London, Stefano Cucurachi, Hannah Flerlage, Marco Cinelli

6.02.P-We405 Rational Nano-Engineering of Thyme Polyphenols Encapsulated in β-Cyclodextrin-Chitosan Carriers Mitigates Cisplatin Neurotoxicity: A Molecular-to-Organism Toxicological Assessment | **Mohammad Alfaifi**, King Khalid University, Saudi Arabia

6.02.P-We406 Redesigning Organophosphate Flame Retardants for Safety and Sustainability | **Hannah Flerlage**, Van 't Hoff Institute for Molecular Sciences, University of Amsterdam, Netherlands

6.02.P-We407 Integrating Early-Stage Aquatic Toxicity Testing to Guide the Development of Recyclable, Flame-Retardant Epoxy Vitrimers | **Rafael Reis**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

6.02.P-We408 Age-dependent ecotoxicity of biocomposites leachates towards freshwater species | **Isabel Lopes**, University of Aveiro, Portugal

6.02.P-We409 CCPD: A Promising Safer Alternative to 6PPD – Comparative Aquatic Toxicity, Environmental Fate, and Environmental Risk Assessment | **Michael Essers**, LANXESS Deutschland GmbH, Germany

6.02.P-We410 Safe-by-Design Metal–Phenolic Networks for Environmental and Biomedical Applications: A Systematic Review | **Ilona Juvonen**, Tallinn University of Technology, Estonia

6.02.P-We411 Developing an Approach to Examine Hazards of Ingredients in Consumer Products: Application to Cleaning Products With and Without Green Labelling | **Ba Reum Kwon**, Baylor University, United States

6.02.P-We412 Mapping the SSbD-Thinking and (lack of) Knowledge Exchange of Actors along a Product's Life Cycle | **Nina van Dulmen**, Leiden University, Netherlands

6.02.P-We413 From Regulation to Data: Building an SSbD Requirements Tool Using Ontologies and Knowledge Graphs for the Pharmaceutical Sector | **Jacopo Sorani**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland

6.02.P-We414 Avoiding Tomorrow's Chemical Mistakes Today | **Jeroen Guinée**, Leiden University, Netherlands

6.02.P-We415 Towards Safe and Sustainable Chemical Substitution | **Hedwig Braakhuis**, TNO, Netherlands

Impact of Armed Conflict in Terrestrial and Aquatic Environments | Hans Sanderson, Maarten De Rijcke, Jennifer Strehse, Richard Wenning

6.06.P-We416 Biological Assessment of Military Contamination in the Oceans | **Guido Gonsior**, GG BioTech Design GmbH, Germany

6.06.P-We417 Dissolution Experiments on Solid Explosive Material Recovered From Sea-Dumped Munitions | **Maria Khon**, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany

6.06.P-We418 Effects of Clearance Operations on the Temporal and Spatial Dynamics of Munition Compounds in Lübeck Bay, Baltic Sea. | **Jana-Sophie Appelt**, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany

6.06.P-We419 Environmental Impact of WWII Warship Wrecks and Munitions in the English Channel: Evidence of Long-Term Contaminant Release | **Benjamin Orban**, Nantes University, France

6.06.P-We420 Hotspots of Environmental Contamination from Explosive Chemicals Released from Sea-Dumped Munitions | **Aaron Beck**, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany

Advances in Predictive and Regulatory Toxicology and Ecotoxicology: Issues, Challenges and Opportunities | Ester Papa, Wenhong Fan, Salvador Moncho Escriva, Ying Wang

7.01.P-We422 Ensuring Regulatory Compliance with the (Q)SAR Assessment Framework: Best Practices and Case Examples of Reporting (Q)SAR Predictions for REACH | **Salvador Moncho Escriva**, European Chemicals Agency (ECHA), Finland

7.01.P-We423 Strengthening Regulatory QSAR Evaluation: Application of the QSAR Assessment Framework to a Bioaccumulation Case Study | **Darina Yordanova**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

7.01.P-We424 Performance Of the iSafeRat® Model in the Recent ECHA Evaluation of Chronic Fish Toxicity Predictions | **Maxime Edelblout**, KREATiS, France

7.01.P-We425 How to: Integration of Quantitative Structure Activity Relationships into the Safe and Sustainable by Design Framework | **Arianna Sgariboldi**, University of Insubria, Italy

7.01.P-We426 Potentials and challenges for mobility assessment of UVCB substances using in silico tools | **Antje Gerloff-Elias**, knoell Germany GmbH, Germany

7.01.P-We427 Simulating Kinetics of Metabolism. QSAR Application | **Atanas Chapkanov**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

7.01.P-We428 Validation of machine learning-based QSAR models using reference chemicals for regulatory applications | **Donghyeon Kim**, University of Seoul, Paris-Cité University, Korea, Republic of

7.01.P-We429 Improving the predictive performance of toxicity prediction machine-learning models using state-of-the-art deep learning approaches | **Donghyeon Kim**, University of Seoul, Paris-Cité University, Korea, Republic of

7.01.P-We430 Comparison of OECD 236 Guideline with the Toxicity Profile of Zebrafish Cell Lines | **Vicente Aranda**, ProtoQSAR SL, Spain

7.01.P-We431 The role of chemical specificity in modelling approaches | **Surendra Balraadjsing**, Leiden University, Netherlands

Enhancing Chemical Safety using NGRA: Bridging Human Toxicology and Ecotoxicology | Jinhee Choi, Claudia Rivetti, Xiaojing Li, Maria Arena

7.05.P-We432 Biomarker Signatures for Detecting Chemical-Induced Developmental Delays in Zebrafish Embryo Model | **Gloria Chidiebere Ajugwo**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

7.05.P-We433 Harmonizing NAMs Across Species: Molecular Docking and Caenorhabditis elegans for Endocrine Disruptor Screening | **Chaein Chong**, University of Seoul, Korea, Republic of

7.05.P-We434 Estimation of Intra-Specific Ranges of Genetic Susceptibility to Toxicity Using Genetically Diverse Populations of Human Lymphoblastoid Cell Lines | **Vesa Hongisto**, Misvik Biology Oy, Finland

7.05.P-We435 From Human NAMs to Ecosystem Protection: A Key-Event–Driven Strategy for Cross-Species Toxicity Translation | **Jaeseong Jeong**, University of Seoul, Korea, Republic of

7.05.P-We436 Case Study-Led Evaluation of an Integrated Human Health–Environmental Next Generation Risk Assessment Framework | **Claudia Rivetti**, Safety, Environmental and Regulatory Sciences (SERS), Unilever, United Kingdom

7.05.P-We437 A new Approach Methodology Integrating Human and Ecotoxicity Data to Assess Safer Chemical Alternatives in Consumer Products | **Ajaya Kumar Sahoo**, School of Environmental Engineering, University of Seoul, Korea, Republic of

7.05.P-We439 Theoretical equations and statistical regressions for the median lethal and hazardous aqueous concentrations (LC50, HC50) and oral doses (LD50, HD50) as a function of octanol-water partitioning Kow | **Jan Hendriks**, Radboud University, Netherlands

7.05.P-We440 Next-Generation Risk Assessment Application for Potential Endocrine Disruptor Evaluation in Consumer Chemical Products | **Ji-Yeon Roh**, Knoell Korea, Korea, Republic of

7.05.P-We441 Estimating Combined Risk of Tetramethylammonium hydroxide (TMAH) and Co-Solutes in River Water | **Arijeet Prasad Sabat**, Civil and Environmental Engineering Department, Indian Institute of Technology Delhi, India

SETAC Europe
37th Annual Meeting

25–29 April 2027 + Geneva, Switzerland

www.setac.org/Geneva

See you next year!

Thursday, 21 May

THURSDAY SCHEDULE		
08:30–09:30	Poster Setup	Exhibition Hall
08:30–12:00	Speaker Ready Room	1.5
08:30–14:30	Badge Pick-Up and Registration	Trajectum North
08:30–15:15	Cloakroom	Entrance Level 1
09:30–10:50	**Presentation Sessions**	
10:00–11:30	Biodiversity Interest Group Meeting	2.3
10:50–11:35	Coffee & Poster Break	Exhibition Hall
11:35–12:55	**Presentation Sessions**	
12:55–14:20	Lunch & Poster Break	Exhibition Hall
14:25–15:00	**Closing Ceremony**	**Auditorium 1**

Join Us for the Closing Ceremony

14:25–15:00 | Auditorium 1

Join us for the closing ceremony as we celebrate the SETAC Europe Best Student Presentation Awards and reflect on a successful week of engaging scientific exchange.

Hear closing remarks from the SETAC Maastricht Programme Committee Chair and the newly elected SETAC Europe President, and get a preview of next year's meeting in Geneva, Switzerland.

The ceremony will also mark a special milestone: Bart Bosveld's grand finale as he prepares to retire and begin a new chapter. Let's come together to give Bart a memorable send-off.

★ Special Session

09:30-10:50 | Room 0.10/0.11

8.04 - Uniting the Silos: Learnings from Multi-stakeholder Collaborations to Advance Chemical Safety Assessments

Amelie Ott, Sampo Karkola, Hans Peter H. Arp

Background

Chemical safety assessments are shaped by a wide range of actors—regulatory authorities, policy makers, academia, industry (including consultancies and contract research organizations), NGOs, trade associations, non-profits and even social media influencers. Each brings distinct expertise, priorities and perspectives. While these roles sometimes align, they often diverge, leading to tension, inefficiencies and occasionally legal disputes. At the same time, growing concerns about human health and environmental protection demand collaborative approaches that transcend siloed efforts.

This session will combine case studies of multi-stakeholder collaborations in chemical safety assessment with conceptual insights from disciplines such as environmental sociology, political science and ethics. Case studies will illustrate why collaborations were initiated, who participated, what outcomes were achieved and lessons learned. Conceptual contributions will help unpack the dynamics of co-creation and stakeholder engagement. Importantly, the session will be interactive, actively engaging the audience in discussion and reflection. Participants will be invited to share their own experiences, challenges and ideas, ensuring that the dialogue goes beyond presentations to co-create insights for future collaborative practices.

Objectives

The session aims to:

- Identify strategies for finding common ground among divergent priorities.
- Explore methods for co-creating solutions that prevent future disputes.
- Discuss approaches for managing uncertainty while safeguarding health and the environment.
- Highlight how to maintain expertise and value dissenting voices even when consensus is elusive.
- Reflect on why some collaborations fail and how they can be designed for success.

By integrating concrete experiences with conceptual perspectives, the session seeks to distil actionable recommendations for more inclusive, transparent and resilient collaborations. Ultimately, it aspires to move beyond fragmented silos toward shared responsibility and learning across disciplines, sectors and networks—advancing chemical safety for both humans and the environment.

Thursday, 21 May

★ Special Session

11:35-12:55 | Room 0.10/0.11

8.01 - Implementation of the European Commission Roadmap Towards Phasing Out Animal Testing for Chemical Safety Assessment: Advancing Endocrine Disruption and Chronic Fish Toxicity

Romana Hornek-Gausterer, Christopher Faßbender, Katia Lacasse, Georg Streck

Multiple initiatives around the globe consider possibilities to drastically reduce the reliance on animal testing for chemical safety assessments. Progress in science, societal advocacy, strong ambitions of authorities and increased application of animal-free methods by industry create a unique momentum for moving away from animal-based chemical safety assessments. The SETAC community with its broad expertise could play a crucial role in guiding the way forward.

The European Commission is currently preparing a "Roadmap Towards Phasing Out Animal Testing for Chemical Safety Assessments", which is planned to be published in the first quarter of 2026. The roadmap is intended to be a policy document which will list milestones and specific actions, addressing all relevant pieces of chemical legislation currently requiring animal testing for chemical safety assessments, and outline the path to replace animal testing in the long run. Following the publication, the implementation phase will be launched with continued efforts in the different regulatory areas related to human toxicology and ecotoxicology to find ways to replace animal testing. Some areas, like fish acute toxicity testing, appear already quite advanced. In other areas, such as endocrine disruption or fish chronic toxicity, some 3Rs methods are available. Further approaches based on animal-free methods still need to be developed to move towards the goal of phasing out animal testing. The session intends to focus on these two areas requiring further development and input from experts and the audience.

The session will involve organisers of other initiatives and ongoing projects, who will lead a brainstorming discussion and share case studies to foster the exchange of ideas on the topic:

- The Innovate EcoSafety 2025 summit (https://innovateeco2025.org/) will brainstorm on alternative approaches on endocrine disruption.
- European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC), Health and Environmental Sciences Institute (HESI) and the International Collaboration on Cosmetic Safety (ICCS) will contribute case studies on using alternative approaches for chronic fish toxicity.

We believe that the SETAC community, with its unique multipartite membership of scientists from academia, industry, NGOs and government, can and should play an important role in providing such input. SETAC, as the largest multi-stakeholder community of environmental scientists, appears to be a natural science-based discussion platform for how to replace animal testing for regulatory chemical safety assessments.

The session intends to be highly interactive. Key experts will introduce what are the challenges for replacing (or reducing or refining) animal testing in the discussed areas of regulatory environmental assessments. After introducing the challenges, the audience will have the opportunity to provide input to a pre-defined set of questions. Interactive tools, such as Sido or Mentimeter, will be used to facilitate a broad involvement of the audience. We foresee this session to be of very high value to the membership, giving feedback on the implementation phase of the roadmap, while offering an opportunity for SETAC members to provide their input on the way forward.

Thursday Platform Presentations Morning 1

	09:35	09:50	10:05
0.4	**Safe Organic Waste Circularity: Monitoring and Managing Contaminants in Valorisation Processes** | Mohammad Sadia, Gabriela Lucia Paladino, Erlend Sørmo, Michel Hubert		
	3.25.T-01 A Smelly Situation – Assessing Pollutant Profiles of Sweden's Most Used Organic Waste-Based Fertilizers with an Accelerated Solvent Extraction, GC-HRMS, and CALUX® Bioassay-Based Combination Method | **Rhayn Werz**, Örebro University, Sweden	**3.25.T-02** Total Oxidizable Precursor (TOP) Assay as a Tool to Assess Transformation and Mineralization of PFAS in Sewage Sludge Treatment | **Erlend Sørmo**, NMBU, Norway	**3.25.T-03** From Soil to Water: Comparing Insect Frass and NPK Fertilisers in Plant Performance and Environmental Safety | **Diogo Filipe Nunes Cardoso**, University of Aveiro (UA), Portugal
0.5	**Recent Advances in Sample Preparation and Related Analytical Methods in Environmental Monitoring** | Nicola Montemurro, Sergio Santana-Viera, Sandra Perez Solsona		
	3.24.T-01 Comparing Innovative Sorbents Performances for Passive Sampling of Polar Organic Contaminants through Target and Non-target Screening | **Camille RIcher**, Sorbonne University, France	**3.24.T-02** Innovative Supramolecular Solvent Platforms for Comprehensive Sample Preparation in the Analysis of Chemical Exposomics | **Noelia Caballero-Casero**, University of Córdoba, Spain	**3.24.T-03** Volumetric Dried Blood Spot (DBS) microsampling as smart tool for human biomonitoring of PFAS exposure | **Martina Galletto**, University of Turin, Italy
0.10/0.11	★**Uniting the Silos: Learnings from Multi-stakeholder Collaborations to Advance Chemical Safety Assessments** | Amelie Ott, Sampo Karkola, Hans Peter H. Arp		
	9:40	9:50	
	8.04.T-01 Conceptual insights from environmental sociology, political science, and ethics | **Kevin Elliot**, Michigan State University, USA	**8.04.T-02 – 8.04.T-07** Learnings from illustrative case studies (Regulator, NGO, Academia, Industry, EU)	
0.15	**Exploring the Chemical Exposome through Advanced Target and Nontarget Screening: Bridging Occurrence, Transformation Products, and Human Health** | ...		
	3.11.A.T-01 Advancing the Chemical Exposome: Integrated Targeted and Non-targeted HRMS Investigation of PFAS Occurrence and Transformation in the Rhône River | **Macorps Nicolas**, ONIRIS, INRAE, LABERCA, France	**3.11.A.T-02** Non-targeted screening of environmental contaminants in passive air sampler extracts from Montreal using LC-Q-TOF-MS and GC-Q-TOF-MS | **Stéphane Bayen**, McGill University, Canada	**3.11.A.T-03** Data-Driven Prioritisation of Transformation Products During Drinking Water Treatment | **Ingrida Bagdonaite**, Vrije Universiteit Amsterdam (VU), Netherlands
Auditorium 1	**Solutions from Source to Sink: Preventing, Removing, and Managing Pollution Across the Plastic Continuum** | ...		
	7.12.A.T-01 Household Micro- and Nanoplastics: Sources, Determinants, and Opportunities for Intervention | **Amanda Durkin**, University Medical Center Utrecht, Netherlands	**7.12.A.T-02** Reducing Microplastics Emissions from Clothing and Footwear – A Dynamic Probabilistic Material Flow Analysis Study | **Anne Hids**, National Institute for Public Health and the Environment (RIVM),	**7.12.A.T-03** Advancing Plastic Release Modeling: Quantifying Macro- and Microplastic Emissions Across 30 European Countries and Incorporating Microplastic Size Distributions | **Danyang Jiang**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland
Auditorium 2	**Innovative Strategies in Implementing Safe and Sustainable by Design (SSbD) Approaches** | ...		
	6.07.A.T-01 Developing a Safe and Sustainable by Design (SSbD) Bio-based Chemical Platform within the NEXT-STEP Project: Focus on Hazard and Worker Exposure Assessment (SSbD Steps 1 & 2) | **Laurent Bilteryst**, Certech, Belgium	**6.07.A.T-02** A Tiered Ecotoxicity and Biodegradability Testing Approach of Novel SURFsUP Biosurfactants for Home and Personal Care Products and Agrochemicals | **Virginia Cazzagon**, Leitat Technological Center, Spain	**6.07.A.T-03** DECISION T-REEX: A Decision Tree for Environmental Exposure Assessment for (Advanced) Materials | **Vicenç Pomar Portillo**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland
Brightlands foyer	**Modelling of Environmental Footprints of Critical And/Or Strategic Raw Materials** | Andrea Amadei, Antoine Beylot, Guido Sonnemann, Roland Hischier		
	5.11.T-01 The Critical Raw Materials act: exploring criteria to prioritise critical and strategic raw materials | **Andrea Amadei**, European Commission, Joint Research Centre, Directorate D – Sustainable Resources, Italy	**5.11.T-02** Prospective Life Cycle Assessment to Support Decarbonization of Critical Raw Material Supply Chains | **Ioan-Robert Istrate**, Leiden University, Netherlands	**5.11.T-03** Material Footprint Method: Beyond Bill of Material to Operationalize Criticality Assessment Methods | **Mael Mouhoub**, HES-SO Valais Wallis, Switzerland
2.1	**Environmental Hazard and Risk Assessment of UVCBs and Complex Mixtures: From Scientific Challenges to Regulatory Solutions** | ...		
	4.04.T-01 How can simple data facilitate the assessment of data-poor complex substances? Application of baseline (Tier 0) data for UVCB evaluation | **Erin Maloney**, Shell Global Solutions International B.V., Netherlands	**4.04.T-02** Integrated Hazard Assessment of Permanent Aquatic Storage Strategy-Treated Fluid Tailings in a Canadian Pilot-scale Oil Sands Pit Lake | **Immanuela Ezugba**, University of Saskatchewan, Canada	**4.04.T-03** Environmental Risk Assessment of UVCBs: The Value of Multi-Generational Exposure Tests | **Benedetta Ponti**, LabAnalysis, Italy
2.2	**Higher Tier Testing and Risk Assessment for Aquatic Organisms** | Seamus Taylor, Tido Strauss, Silvia Mohr, Udo Hommen		
	2.06.T-01 A Deep Dive into Aquatic Mesocosms - Exploring Ecosystem Dynamics and Veterinary Drug Impacts | **Lukas Kruckenfellner**, Institut für Gewässerschutz MESOCOSM GmbH, Germany	**2.06.T-02** Long-term Effects of Nicotine on Freshwater Communities using Outdoor Mesocosms | **Paula Redondo-Hasselerharm**, IMDEA Water Institute, Spain	**2.06.T-03** Comparing Morphological and Molecular Diatom Identification in a Multi-Stressor Microcosm Experiment | **Sarah Descloux**, Eawag - ETH Zurich, Switzerland
2.18/2.19	**Beneath the Surface: Advancing Soil Ecotoxicology and Risk Assessment for Realistic and Sustainable Ecosystem Protection** | ...		
	4.02.T-01 Recovery of earthworm populations in field test plots through migration? | **Silvio Knaebe**, Eurofins Agroscience Services US, Germany	**4.02.T-02** From In vitro to Field: Comparison of Results from Tests of different Levels of Realism for Arbuscular Mycorrhizal Fungi | **Ulrich Menke**, Bayer AG, CropScience, Germany	**4.02.T-03** Experimental Validation of Mixture Toxicity Models for Pesticides in Soil | **Micha Wehrli**, Swiss Federal Institute of Aquatic Science and Technology (Eawag); University of Applied Sciences and Arts Northwestern Switzerland (FHNW), Switzerland

Thursday Platform Presentations Morning 1

	10:20	10:35
0.4	**Safe Organic Waste Circularity: Monitoring and Managing Contaminants in Valorisation Processes** | Mohammad Sadia, Gabriela Lucia Paladino, Erlend Sørmo, Michel Hubert	
	3.25.T-04 Sewage sludge application as biofertilizer: microbial effects and preliminary persistence assessment of quaternary ammonium biocides in soil | **Sophie Lennartz**, Aarhus University, Denmark	**3.25.T-05** Fate of Micropollutants in Sludge Treatment Reed Beds: Removal Efficiency, Persistence, and Risk Assessment for Agricultural Reuse | **Pedro Carvalho**, Aarhus University, Denmark
0.5	**Recent Advances in Sample Preparation and Related Analytical Methods in Environmental Monitoring** | Nicola Montemurro, Sergio Santana-Viera, Sandra Perez Solsona	
	3.24.T-04 Indications towards cooperative degradation of micropollutants in biofilms by mass spectrometric imaging | **Kai Bester**, Aarhus University, Denmark	Poster Spotlights: 3.24.P-Th082, 3.24.P-Th083, 3.24.P-Th087
0.10/0.11	★**Uniting the Silos: Learnings from Multi-stakeholder Collaborations to Advance Chemical Safety Assessments** | Amelie Ott, Sampo Karkola, Hans Peter H. Arp	
	10:26	10:45
	Reflections and discussion with the audience	Concluding Remarks
0.15	| Lidia Belova, Stéphane Bayen, Yong-Lai Feng, Maria Margalef	
	3.11.A.T-04 Non-target Analysis of Transformation Products in Drinking Water in and around Luxembourg | **Emma Palm**, University of Luxembourg, Luxembourg	**3.11.A.T-05** Hidden Volatile Chemicals Indoors: Insights from Non-Target Analysis of European Homes | **Jean Froment**, NILU, Norway
Auditorium 1	| Nanna B. Hartmann, Eva C. Sonnenschein, Meredith Evans Seeley, Lars Michael Hildebrandt	
	7.12.A.T-04 Removal of microplastic from sedimentation tanks by use of in-situ microflotation (ISM) | **Stefan Grass**, MicroBubbles GmbH, Germany	Poster Spotlights: 7.12.P-Th333, 7.12.P-Th334, 7.12.P-Th335
Auditorium 2	| Irantzu Garmendia Aguirre, Emma Stromberg, Blanca Suarez Merino, Alberto Katsumiti	
	6.07.A.T-04 A Multilevel Qualitative Assessment Tool for Safety Screen-ing of Advanced Materials | **Elena Badetti**, Ca' Foscari University of Venice, Italy	**6.07.A.T-05** Retrospective SSbD case study of a small-molecule antibiotic: cross-domain evaluation of safety and sustainability in pharmaceutical development | **Francesco Barilli**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland
Brightlands foyer	**Modelling of Environmental Footprints of Critical And/Or Strategic Raw Materials** | Andrea Amadei, Antoine Beylot, Guido Sonnemann, Roland Hischier	
	5.11.T-04 Development of a Methodology to Include Instrumental Value Loss in Indicators for Abiotic Resources Dissipation in Life Cycle Assessment | **Manon Lisiecki**, Univ. Grenoble Alpes, CEA LITEN DTNM, France	Poster Spotlights: 5.11.P-Th211, 5.11.P-Th212, 5.11.P-Th216
2.1	| Kevin Bonnot, Simon Gutierrez, Romanas Cesnaitis, Sandrine Estelle Deglin	
	4.04.T-04 4.04.T-03 TBD	Poster Spotlights: 4.04.P-Th155, 4.04.P-Th158, 4.04.P-Th161
2.2	**Higher Tier Testing and Risk Assessment for Aquatic Organisms** | Seamus Taylor, Tido Strauss, Silvia Mohr, Udo Hommen	
	2.06.T-04 Bridging Lab Studies to Mesocosms: Case study for Cloeon dipterum to Understand Temperature Mediated Effects of Imidacloprid Exposure | **Daniel Burkow**, Bayer Research & Development Services LLC, Germany	**2.06.T-05** Predictability of higher-tier outcomes in the aquatic risk assessment of plant protection products: Evidence from EU regulatory data | **Paul Ozoh**, University Duisburg-Essen (Uni DUE), Germany
2.18/2.19	| Ricardo Petersen, Gregor Ernst, Mark Maboeta, Pia Kotschik	
	4.02.T-04 Entry of Pesticides From the Air Into Soils far Away From Agricultural Areas as Potential Stress Factors for Soil Organisms | **Stefan Rhiem**, North Rhine-Westphalia Office of Nature, Environment and Climate (LANUK), Germany	**4.02.T-05** Copper in Plant Protection: Long-Term Field Evidence on Earthworm Recovery and Soil Accumulation | **Apostolos Koutsaftis**, ERM Europe Ltd, Netherlands

Thursday Platform Presentations Morning 2

	11:40	11:55	12:10
0.4	**Advancing Pollution Control in Wastewater: Monitoring, Risks, and Regulatory Transitions** | Despo Fatta-Kassinos, Stefan Kools		
	7.02.T-01 Get to know the European HORIZON Project URBAN M20 "Effective Monitoring and Modelling solutions for data-driven holistic management of urban water quality" | **Miriam Langer**, FHNW, Switzerland	**7.02.T-02** Chemical Target Screening and Mixture Risk Assessment of Wastewater: A Pan-European Study | **Angela Castro Velazco**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**7.02.T-03** Effect-Based Monitoring Identifies Macrolide Antibiotics as Main Toxicity Drivers in Flemish Wastewater Treatment Plant Effluents, Belgium | **Warich Leekitratanapisan**, Ghent University, Belgium
0.5	**Advancing Environmental Monitoring through Ion Mobility Spectrometry coupled to HRMS: Innovative Strategies and Applications** | ...		
	3.03.T-01 Ion-mobility derived CCS-m/z trendlines for environmental contaminant screening – where are we and where can we go? | **Lidia Belova**, University of Antwerp, Belgium	**3.03.T-02** Holistic analysis of emerging contaminants in northern Antarctic Peninsula region waters through Liquid Chromatography–Ion Mobility Spectrometry–High-Resolution Mass Spectrometry | **Dana Orlando-Véliz**, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain	**3.03.T-03** Advancing GC-APCI-TIMS-HRMS for Dioxins and POPs: A Comparative Evaluation of timsTOF Pro 2 and timsMetabo as Alternatives to Magnetic-Sector Instruments | **Gauthier Eppe**, CART, MolSys Research Unit, Liège Universite, Belgium
0.10/0.11	★**Implementation of the European Commission Roadmap Towards Phasing Out Animal Testing for Chemical Safety Assessment: Advancing Endocrine Disruption ...**		
	11:40	11:45	11:50
	8.01.T-01 3Rs for endocrine disruption - a stakeholder view (I) | **Natalie Burden**, NC3Rs, United Kingdom	**8.01.T-02** 3Rs for endocrine disruption - a stakeholder view (II) | **Laurent Lagadic**, Bayer Research & Development Services LLC, United States	Discussion: 3Rs for endocrine disruption | **Katia Lacasse**, European Chemical Industry Council (CEFIC), Belgium
0.15	**Exploring the Chemical Exposome through Advanced Target and Nontarget Screening: Bridging Occurrence, Transformation Products, and Human Health** | ...		
	3.11.B.T-01 Mapping Human Metabolism in Wastewater – An In-Depth Analysis Using Feature-Based Molecular Networking | **Inga Haalck**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany	**3.11.B.T-02** Characterising The Human Perinatal Chemical Exposome with Innovative Suspect and Non-Targeted Screening: Results from The PARC EU Interlaboratory Trial and Real-Case Study | **Tarek Moufawad**, National Veterinary, Food and Food School of Nantes-Atlantique (ONIRIS), France	**3.11.B.T-03** Comprehensive Urinary Target and Suspect Screening of Endocrine-Disrupting Chemicals in Children and Their Association with Lifestyle Trends | **Julen Segura Abarrategui**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain
Auditorium 1	**Solutions from Source to Sink: Preventing, Removing, and Managing Pollution Across the Plastic Continuum** | ...		
	7.12.B.T-01 Towards Safer Food Packaging: Tackling Microplastics, Chemicals and Protecting Human Health | **Lisa Zimmermann**, Food Packaging Forum, Switzerland	**7.12.B.T-02** Does environmental policy support the circularity and sustainability of fishing gear? | **Mona Arnold**, VTT Technical Research Centre of Finland Ltd, Finland	**7.12.B.T-03** Essentiality, Safety, and Sustainability: A Novel Policy Framework for Effective Plastics Production Reduction | **Romain Figuière**, Stockholm University, Sweden
Auditorium 2	**Innovative Strategies in Implementing Safe and Sustainable by Design (SSbD) Approaches** | ...		
	6.07.B.T-01 ProScale Service Life: Assessing Direct Use-Phase Exposure in Early Innovation | **Amanda Lundberg**, IVL, Sweden	**6.07.B.T-02** How to consider benefits related to functionality in SSbD? An overview of early phase benefit assessments and an application to selected case studies | **Merve Tunali**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland	**6.07.B.T-03** Implementing SSbD in battery recycling processes of RESTORE and potential applications of SSbD data for the EU Battery Product Passport | **Socorro Vázquez-Campos**, Leitat Technological Center, Spain
Brightlands foyer	**How Low Should You Go? Recent Developments in Absolute Environmental Sustainability Assessment** | Andrea Paulillo, Anders Bjørn		
	5.07.T-01 Absolute Environmental Sustainability Assessment of Global Economy via Environmentally Extended Input Output Analysis | **Qiang Yang**, University College London (UCL), United Kingdom	**5.07.T-02** Evaluating Global Hydrogen Supply Pathways under Resource Limits through Cost and Planetary Boundaries Minimisation | **Jesmyl Elisa Córdova Córdova**, Universitat Rovira i Virgili, Spain	**5.07.T-03** Defining Sustainability Targets for Mobility and Batteries | **Abdur-Rahman Ali**, Technical University Braunschweig, Germany
2.1	**Filling the Gap: Solutions for Monitoring, Modelling and Assessment of Chemical Pollution Under Data Scarcity and Low-Capacity Conditions** | ...		
	4.06.T-01 Fuelwood Consumption Patterns and Spatial Distribution of PM2.5 and PM10 Emissions in Thulamela Municipality, Limpopo Province, South Africa | **Ibironke Enitan**, University of Venda, South Africa	**4.06.T-02** Toxicity assessment of sediments under the influence of submarine outfalls along the coast of São Paulo, Brazil | **Karin Baldauf**, State University of Campinas (UNICAMP), Brazil	**4.06.T-03** From source to solution: understanding antibiotic residues in an Indonesian reservoir | **Miranti Ariyani**, Wageningen University and Research (WUR), Netherlands
2.2	**Identifying Safe Operating Spaces for Biodiversity in Water and Sediment Systems** | ...		
	2.07.T-01 Trends and Thresholds of River Macroinvertebrate Biodiversity Responses to Anthropogenic Stress for Identifying Safe Operating Spaces | **Elmar Becker**, University of Amsterdam (UVA), Netherlands	**2.07.T-02** Real-time, high-throughput biodiversity monitoring reveals impacts of chemical mixtures in freshwater ecosystems | **Niamh Eastwood**, University of Birmingham, United Kingdom	**2.07.T-03** The freshwater amphipod Gammarus fossarum as European model species for substance toxicity assessment using spiked-sediment | **Anthony Mathiron**, Biomae, France
2.18/2.19	**Soil–Plant Transport and Mineral Weathering: Spatiotemporal Environmental Implications** | Arno Rein, Andrea Di Maria, Marc Lamshöft, Ponnapat Watjanatepin		
	3.26.T-01 The Effects of Ageing and Heterogeneous Distribution of Perfluoroalkyl Acid (PFAA) in Soil on Their Uptake by Allotment Vegetables | **Arne Vangansbeke**, KU Leuven, Belgium	**3.26.T-02** A Novel Workflow to Identify the Environmental Fate of Emerging Contaminants in the Wastewater – Soil – Plant Continuum | **John Nightingale**, University of Leeds, United Kingdom	**3.26.T-03** Quantifying the Impact of Plant Uptake on Watershed-Scale Pesticide Concentration in Flowing Water Bodies | **Jens Kiesel**, Stone Environmental Inc., Germany

Thursday Platform Presentations Morning 2

	12:25	12:40
0.4	**Advancing Pollution Control in Wastewater: Monitoring, Risks, and Regulatory Transitions** | Despo Fatta-Kassinos, Stefan Kools	
	7.02.T-04 Volatile organic compounds as early indicators of bleach and antibiotic stress in anaerobic microbial communities | **Baptiste Poursat**, University of Glasgow, United Kingdom	Poster Spotlights: 7.02.P-Th281, 7.02.P-Th296, 7.02.P-Th297
0.5	| Dimitrios E. Damalas, Teresa Steininger-Mairinger, Erin Baker, Alberto Celma	
	3.03.T-04 LC-IM-HRMS and Computational Methods for Characterization of Metal-Phytosiderophore Complexes in the Gas Phase | **Stephan Hann**, BOKU University, Austria	Poster Spotlights: 3.03.P-Th036, 3.03.P-Th040, 3.03.P-Th043
0.10/0.11	★**and Chronic Fish Toxicity** | Romana Hornek-Gausterer, Christopher Faßbender, Katia Lacasse, Georg Streck	
	12:10	12:15	12:20	12:40
	8.01.T-03 3Rs for chronic fish toxicity - a stakeholder view (I) | **Heike Laue**, Givaudan, Switzerland	**8.01.T-04** 3Rs for chronic fish toxicity - a stakeholder view (II) | **Kristin Schirmer**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland	Discussion: 3Rs for chronic fish toxicity | **Romana Hornek-Gausterer**, Technikum Wien, Austria	Closing remarks and next steps: moving towards the long-term goal of phasing out animal testing | **Christopher Faßbender**, PETA Science Consortium Int. E.V., Germany
0.15	| Lidia Belova, Stéphane Bayen, Yong-Lai Feng, Maria Margalef			
	3.11.B.T-04 Uncovering Environmental Drivers of Steatotic Liver Disease Through Integrated Human and Experimental Evidence | **Jorke Kamstra**, Utrecht University, Netherlands		**3.11.B.T-05** Inorganic and Organic Exposome Analysis to Investigate Placental Transfer and Pre-eclampsia | **Max Lennart Feuerstein**, University of Vienna, Austria	
Auditorium 1	| Nanna B. Hartmann, Eva C. Sonnenschein, Meredith Evans Seeley, Lars Michael Hildebrandt			
	7.12.B.T-04 Designing Circular Plastics with Bauhaus Chemistry | **Hans Peter Arp**, Norwegian Geotechnical Institute (NGI), Norway		**7.12.B.T-05** Poster Spotlights and Discussion: 7.12.P-Th336, 7.12.P-Th340	
Auditorium 2	| Irantzu Garmendia Aguirre, Emma Stromberg, Blanca Suarez Merino, Alberto Katsumiti			
	6.07.B.T-04 Operationalising Safe and Sustainable by Design for Industry: Mapping, Coordinating, and Structuring Chemical and Material Innovation with the PLANETS Workflow | **Joséphine Steck**, Atomic Energy Commission (CEA), France		**6.07.B.T-05** Policy Gaps for Advanced Materials: Insights from EU Regulatory Mapping and Industrial Case Studies | **James Baker**, TEMAS Solutions, Netherlands	
Brightlands foyer	**How Low Should You Go? Recent Developments in Absolute Environmental Sustainability Assessment** | Andrea Paulillo, Anders Bjørn			
	5.07.T-04 Remote-Sensing-Supported Planetary-Boundary-Based Absolute Environmental Sustainability Assessment. A case study for Iron Ore Regions | **Alexander Griebler**, Montanuniversität Leoben, Austria		Poster Spotlights: 5.07.P-Th205, 5.07.P-Th206, 5.07.P-Th207	
2.1	| Werner Brack, Iseult Lynch, Tarryn Lee Botha, Arundhati Tewari			
	4.06.T-04 Global Pilot Study: Monitoring Chemical Pollution under Low-Capacity Conditions | **Saskia Finckh**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany		**4.06.T-05** Beating data-hungriness: How molecule, company, catchment and organism dimensions facilitate derivation of principles and parameterisation of models in risk and life cycle assessment | **Jan Hendriks**, Radboud University, Netherlands	
2.2	| Ivo Roessink, Chidinma Peace Okafor, Chioma Blaise Chikere,, Jennifer Laurent			
	2.07.T-04 Reflecting on 20 Years of OECD 225: Advancing Standardised Testing With Lumbriculus Variegatus With Ecotoxicological Insight | **Jacqueline Hilgendorf**, University of Aveiro (UA), Portugal		**2.07.T-05** Multigenerational Disruption of Reproduction and Behaviour in a Benthic Worm Exposed to Sediment-Associated Antidepressants | **Martina Santobuono**, Roskilde University, Denmark	
2.18/2.19	**Soil–Plant Transport and Mineral Weathering: Spatiotemporal Environmental Implications** | Arno Rein, Andrea Di Maria, Marc Lamshöft, Ponnapat Watjanatepin			
	3.26.T-04 Integration of Prospective Environmental and Economic Impact Assessment for Emergent Mineral Carbonation of Steel Slags Process Design in Agriculture | **Ponnapat Watjanatepin**, KU Leuven, Belgium		**3.26.T-05** Fate of Pharmaceuticals and Human Health Risk Assessment in Agricultural Water Reuse: Case Studies in Greenhouse and Soil Cultivation | **Birte Raes**, Aquafin, Belgium	

Schedule

Setup	8:30–9:30
Poster Viewing	10:50–11:35
Poster Viewing	12:55–14:25
Take Down	by 14:25

Late-Breaking Science Posters

Late-breaking science posters are not included in the printed programme book. For a full list of poster presentations, please visit the online meeting platform.

Poster Sessions

The Extended Chemical Defensome: Novel Insights Into the Mechanisms of Defense Allowing Species to Cope With Chemical Pollution | Marco Franco, Maria Pavlaki, Vladimír Žlábek, Michael Bertram

1.16.P-Th001 Introducing the extended chemical defensome to emphasize mechanisms of defense as key research avenues to tackle priority questions in environmental toxicology | **Marco Franco**, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

1.16.P-Th002 Micobial Components of the Host's Chemical Defensome | **Vladimír Žlábek**, University of South Bohemia in České Budějovice, Czech Republic

1.16.P-Th003 Sex-linked Insecticide Selectivity in Mason Bees (Osmia spp.) is Driven by Differences in Cytochrome P450 Expression Profiles | **Xingzhi Xiao**, Bayer AG, Crop Science Division, R&D, Germany

1.16.P-Th004 Persistent Organic Pollutants in the Barents Sea Marine Mammals: Habitat, Diet, and Biotransformation | **Diogo Oliveira**, Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), Portugal

Higher Tier Testing and Risk Assessment for Aquatic Organisms | Seamus Taylor, Tido Strauss, Silvia Mohr, Udo Hommen

2.06.P-Th005 Challenges in aquatic higher tier risk assessment for pesticides | **Seamus Taylor**, ADAMA, United Kingdom

2.06.P-Th006 Risk assessment of plant protection products (PPP) for aquatic organisms: relevance of exposure pattern in mesocosm studies compared to predicted exposure in surface waters | **Jérémy Foldrin**, French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France

2.06.P-Th007 The Role of Mesocosm Data in Ecotoxicological Legislation | **Ellie Welch**, Cambridge Environmental Assessments (CEA), United Kingdom

2.06.P-Th008 Sediment: an undervalued compartment in mesocosm studies | **Ellie Welch**, Cambridge Environmental Assessments (CEA), United Kingdom

2.06.P-Th009 Considerations for Designing Emergent Insect Traps in Mesocosm studies | **Ellie Welch**, Cambridge Environmental Assessments (CEA), United Kingdom

2.06.P-Th010 Emerging Evidence: The fungicide pyraclostrobin reduces aquatic insect emergence | **A. Daniëlle van der Burg**, Institute of Environmental Sciences, Leiden University, Netherlands

2.06.P-Th011 The Right Species Matter: Advancing Macroinvertebrate and Zooplankton-Based Species Sensitivity Distribution Studies Through Targeted Selection and Cultivation | **Rabea Christmann**, GG BioTech Design GmbH, Germany

2.06.P-Th012 Systematic and objective profile analysis in support of use of an ERO-RAC (ecological recovery option-regulatory acceptable concentration) from a mesocosm study: a case study with lambda-cyhalothrin | **Daniel Pickford**, Syngenta Ltd, United Kingdom

2.06.P-Th013 Evaluation of mesocosm studies conducted in support of higher-tier aquatic risk assessment – look what the CAT dragged in | **Daniel Pickford**, Syngenta Ltd, United Kingdom

2.06.P-Th014 Revisiting Time-Weighted Average Approaches in Aquatic Risk Assessment: Scientific Basis, Regulatory Challenges, and Future Direction | **Kristi Tatsi**, Corteva, United Kingdom

2.06.P-Th015 Be more realistic: Predicting the effects of short-term exposure events on Zebrafish Early Life Stages using the GUTS-model | **Matthias Teigeler**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

2.06.P-Th016 Exploring Climate-Linked Shifts in Zooplankton Communities and Water Quality Parameters Using Historical Mesocosm Data | **Zoe Parker-Crosse**, Cambridge Environmental Assessments (CEA), United Kingdom

2.06.P-Th017 Ecotoxicity of agricultural pesticide mixtures in freshwater microcosms: Insights into bioconcentration and trophic transfer | **Nelson Abrantes**, University of Aveiro, Portugal

2.06.P-Th018 Ecological Risk Assessment of Growth and Reproductive Toxicity of Benzalkonium Chloride in Aquatic Environments | **Chin-Jou Wang**, National Kaohsiung University of Science and Technology, Taiwan (Greater China)

2.06.P-Th019 Interactive Effects of Light Pollution and Co-occurring Stressors on an Aquatic Insect (Chironomus riparius) | **Joana Carmo**, CESAM, University of Aveiro, Portugal

2.06.P-Th020 Effects and Fate of the Nitrification Inhibitor N-[3(5)-Methyl-1H-pyrazol-1-yl)methyl] acetamide and the Urease Inhibitor N-(2-Nitrophenyl)phosphoric Triamide in a Preliminary Freshwater Mesocosm Study | **Björn Kusebauch**, German Environment Agency (UBA), Germany

2.06.P-Th021 Transgenerational impacts of TBBPA on the freshwater snail Lymnaea stagnalis | **Obianuju Oluchukwu Eze**, Helmholtz Centre for Environmental Research GmbH (UFZ); Ludwig Maximilian University Munich, Germany

2.06.P-Th022 A Risk Evaluation of the Ubiquitous Ultraviolet (UV)-Filter Octocrylene | **Breanne Holmes**, Swiss Centre for Applied Ecotoxicology Eawag (EPFL), Switzerland

2.06.P-Th023 Synergistic Threats: How Temperature and 6PPD-Q Contamination Reshape Arctic Char Development in Alpine Lakes | **Emilie Réalis-Doyelle**, National Research Institute for Agriculture, Food and Environment (INRAE), France

2.06.P-Th024 Synthesis, characterization and acute toxicity evaluation of functionalized maghemite nanoparticles in the ostracod Cypridopsis vidua | **Sandra Tiscareño-Magallanes**, Unidad de Ciencias del Agua, Mexico

2.06.P-Th025 The eyes are the window to the sea: Metals and Metalloids in the ocular tissues of a coastal shark from Southeastern Brazil | **Rachel Ann Hauser-Davis**, Laboratório de Avaliação e Promoção da Saúde Ambiental, Instituto Oswaldo Cruz, Brazil

Identifying Safe Operating Spaces for Biodiversity in Water and Sediment Systems | Ivo Roessink, Chidinma Peace Okafor, Chioma Blaise Chikere, Jennifer Laurent

2.07.P-Th026 Assessing Toxicity of Emerging Semiconductor Pollutants Gallium and Indium in Contaminated Paddy Soils with A Soil–Water–Fish System | **Pei-Jen Chen**, National Taiwan University, Taiwan (Greater China)

2.07.P-Th027 Formulated sediment: a good control for bioassays to assess freshwater sediment toxicity on Gammarus fossarum? | **Anthony G.E. Mathiron**, BIOMAE, France

2.07.P-Th028 Species Chemical Sensitivity Comparison Between Freshwater Amphipod Hyalella azteca and Gammarus spp. | **Kyoshiro Hiki**, University of Tokyo, Japan

2.07.P-Th029 Interlaboratory Validation of Chronic Sediment-Water Amphipod Toxicity Test with Hyalella Azteca | **Kyoshiro Hiki**, University of Tokyo, Japan

2.07.P-Th030 Sedimentary Co-exposure of Polystyrene Nanoplastics and Lithium Bis(trifluoromethanesulfonyl)imide Synergistically Exacerbates Ecotoxicity and Risk in Caenorhabditis elegans | **Vivian Hsiu-Chuan Liao**, National Taiwan University, Taiwan (Greater China)

2.07.P-Th031 The Effect of Elevated Temperature on Pesticide Terbuthylazine and Antimicrobial Triclosan Toxicity to Daphnia magna | **Diana Miškelytė**, Nature Research Centre, Lithuania

2.07.P-Th032 An Integrated Weight-of-Evidence Approach for Establishing Causality between Heavy Metal Contamination and Ecological Impacts in Aquatic Ecosystems | **Jong-Hyeon Lee**, EH R&C Co., Korea, Republic of

2.07.P-Th033 Life of a sediment dweller in a mesocosm – Strategies to assess sediment communities in regulatory mesocosm studies for PPP risk assessment | **Zoe Parker-Crosse**, Cambridge Environmental Assessments (CEA), United Kingdom

2.07.P-Th034 Sediment-Water Toxicity Testing Beyond Standard Guidelines: Insights from Using Non-Guideline Aquatic Invertebrates | **Suzanne Schneider**, Eurofins Agroscience, United States

2.07.P-Th035 Toxicity evaluations in coastal sediments using fish embryos and explorations of causative contaminants | **Seiichi Uno**, Kagoshima University, Japan

Advancing Environmental Monitoring through Ion Mobility Spectrometry coupled to HRMS: Innovative Strategies and Applications | Dimitrios E. Damalas, Teresa Steininger-Mairinger, Erin Baker, Alberto Celma

3.03.P-Th036 Optimisation of a Liquid Chromatography-Trapped Ion Mobility-Time of Flight Mass Spectrometry Method for Suspect and Non-Targeted Analysis of Per- and Polyfluoroalkyl Substances in Fish | **Stelios Papazoglou**, LABERCA, Oniris, INRAE, France

3.03.P-Th037 Closing Sensitivity Gaps Across the Mass Range: Evaluation of a new Trapped-Ion-Mobility- QTOF MS for Emerging Contaminants Screening | **Dimitrios Damalas**, National and Kapodistrian University of Athens, Greece

3.03.P-Th038 Spatial mapping of PFOS and PFOA reveals differential bioaccumulation patterns in zebrafish via DESI-MSI with single- and multi-pass ion mobility separation | **Aron Dekkers**, Waters Corporation, United Kingdom

3.03.P-Th039 Illustrating the Use of Cyclic Ion Mobility to Enhance Specificity for branched-PFAS Isomer Analysis | **Isabel Riba**, Waters Corporation, United Kingdom

3.03.P-Th040 Conformational Effects of Monovalent Cations on PFCA Homodimers Investigated by IMS-MS/MS and Theoretical Calculations | **Aurore Schneiders**, University of Liège, Belgium

3.03.P-Th041 Atmospheric PFAS Partitioning and Source Attribution Using a Trajectory-Informed Non-Targeted Approach: Insights from Seoul | **Mina Do**, University of Science & Technology, Korea, Republic of

3.03.P-Th042 Enabling In Vitro Studies of Difficult to Test Petroleum-Derived Unknown or Variable Composition, Complex Reaction Products, or Biological Materials with Nanoemulsion-Based Delivery | **Devin Teri**, Texas A&M University, United States

3.03.P-Th043 Nontarget Identification of Contaminants of Emerging Concern in Campus Indoor Dust Using Ion Mobility High-Resolution Mass Spectrometry | **Maosen Zhao**, Toxicological Centre, University of Antwerp, Belgium

3.03.P-Th044 Uncovering Chemical Signatures in PM10 Aerosols: Insights from Six Northern Italian Cities Across Two Seasons | **Greta Palombella**, Ca' Foscari University of Venice, Italy

3.03.P-Th045 Assessing & Predicting the Fate of Veterinary Pharmaceuticals & their Transformation Products in Soils and Towards the Aquatic Systems. | **Venetios Michelioudakis**, AEIFORIA SRL, Italy

Exploring the Chemical Exposome through Advanced Target and Nontarget Screening: Bridging Occurrence, Transformation Products, and Human Health | Lidia Belova, Stéphane Bayen, Yong-Lai Feng, Maria Margalef

3.11.P-Th047 Keep It Clean: Chemical Characterization of Indoor Dust Using Suspect and Non-Targeted Screening | **Irene Navarro**, Center for Energy, Environmental and Technological Research (CIEMAT), Spain

3.11.P-Th048 Non-target Screening and Toxicity-Based Prioritization of Industrial Chemicals in Coastal Sediments | **Mangong Shin**, College of Engineering, Hanyang University, Korea, Republic of

3.11.P-Th049 Necrological pollution of the environment through human burial site leachate | **Alberto Celma**, Swedish University of Agricultural Sciences, Sweden

3.11.P-Th050 Expanding the Scope of High-Throughput Effect-Directed Analysis with Orthogonal Separation Modes and Ion Mobility to Identify Endocrine-Disrupting Chemicals in Outdoor Stormwater Ponds | **Lyen Marie Castro**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.11.P-Th051 Determination of Estrogens in Drinking and Surface Water at low ng/L levels by direct injection using ACQUITY™ Premier LC System coupled to the Xevo™ TQ Absolute Mass Spectrometer | **Sara Beverley**, Waters Corporation, United Kingdom

3.11.P-Th052 Bridging Chemical Analysis and Bioassays in Breast Milk to Assess Early-life Exposure | **Naroa Lopez-Herguedas**, Helmholtz Centre for Environmental Reseach (UFZ)/Plentzia Marine Station (EHU), Spain

3.11.P-Th053 Prevalence of Urinary Triclosan Among Advanced Lung Cancer Patients in Vojvodina | **Nataša Milić**, University of Novi Sad, Serbia

3.11.P-Th054 Prioritisation framework to identify relevant substances for assessing the impact of environmental contaminants on human exposure | **Nicole Bandow**, German Environment Agency (UBA), Germany

3.11.P-Th055 Positive Control Substances for Experiments Described in the EFSA Guidance on the Impact of Water Treatment Processes | **Peter Hvorslev**, Eurofins IES AG, Switzerlan

3.11.P-Th056 Challenges in the Annotation of Environmental Contaminants with Nontarget Screening - Quality and Information of Tandem Mass Spectra | **Wilco Nijenhuis**, Vrije Universiteit Amsterdam (VU), Netherlands

3.11.P-Th057 Retention index alignment algorithm for the alignment of data from different NTS studies without requiring shared standards | **Alexander Becking**, KWR Water Research Insititute, Netherlands

3.11.P-Th058 A quantitative structure-response

relationship model to estimate concentrations of plasticizer metabolites identified in urine using LC-HRMS without reference standards | **Yong-Lai Feng**, Health Canada, Canada

3.11.P-Th059 Modernizing the Analysis of Flame Retardants in Environmental Matrices: Eliminating the Use of Helium Carrier Gas With Gas Chromatography Atmospheric Pressure Chemical Ionization (GC-APCI) | **Aron Dekkers**, Waters Corporation, United Kingdom

3.11.P-Th060 Detection of Surfactants using Liquid Chromatography Coupled with High Resolution Mass Spectrometry | **Verena Reitsam**, Bayerisches Landesamt für Umwelt, Germany

Improving Understanding and Modelling of the Partitioning, Mobility, and Bioavailability of Highly Polar and Ionisable Substances in the Environment | Adam Peters, Dieter Hennecke, Jose Julio Ortega-Calvo

3.14.P-Th061 Is the Organic Carbon Normalised Partition Coefficient the most Appropriate Measure of Partitioning for Substances that are Highly Mobile in the Environment? | **Pippa Curtis-Jackson**, Environment Agency United Kingdom, United Kingdom

3.14.P-Th062 Experiments on the Retention Behaviour of Ionic Organic Substances on Mixed-Mode HPLC Columns for the Future Expansion of OECD 121 | **Michael Hüben**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.14.P-Th063 Evaluation of Prediction Methods for the Mobility Criterion KOC | **Stefan Trapp**, Technical University of Denmark, Denmark

3.14.P-Th064 An Approach for Accounting for Structural Similarity in Reference Substance Selection for Highly Mobile Test Substances in HPLC based Fate Studies | **Charlotte Linley**, wca environment Ltd., United Kingdom

3.14.P-Th065 Development of column testing approach for the mobility assessment of chemicals during river-bank filtration | **Prasit Shrestha**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

3.14.P-Th066 A workshop to engage with stakeholders, identify data gaps and establish research priorities for the development of a screening test to assess the mobility of polar and ionisable substances | **Pippa Curtis-Jackson**, Environment Agency United Kingdom, United Kingdom

3.14.P-Th067 Taking Account of Bioavailability in Assessing the Potential Risks Posed by Diclofenac in European Surface Waters | **Dean Leverett**, wca environment Ltd., United Kingdom

3.14.P-Th068 Prediction of the mobility of gabapentin, tramadol, diclofenac, acesulfame, and methamphetamine in soils based on their properties | **Radka Kodesova**, Czech University of Life Sciences Prague, Czech Republic

3.14.P-Th069 Testing the Applicability of Diffusive Gradients in Thin-Films (DGT) to Assess Pesticide Bioavailability in Soil | **Dora Fleten**, Agroscope, ETH Zürich, Switzerland

3.14.P-Th070 Leaching of heavy metals, nicotine, and other organic compounds from spent disposable e-cigarettes and their environmental implications | **Lillian Tran**, University of California, Riverside, United States

Innovative Approaches to Groundwater Quality Monitoring: From Detection to Policy | Floris Naus, Karel As, Bas van der Grift

3.15.P-Th071 Relationship Between the Occurrence of Organic Micropollutants and Groundwater Conditions in Drinking Water Aquifers: The Netherlands as a Case Study | **Merel Nederend**, Wageningen University and Research (WUR), Netherlands

3.15.P-Th072 PFAS Levels in Soil and Groundwater Profiles: Implications for Drinking Water Production from Groundwater | **Floris Naus**, National Institute for Public Health and the Environment (RIVM), Netherlands

3.15.P-Th073 Uncovering PFAS in Groundwater: Occurrence, Hotspots and Health Risks Implications | **Natalia Sáez Rosique**, Catalan Institute for Water Research (ICRA), Spain

3.15.P-Th074 A Comprehensive Assessment Framework for Chemical Mixtures in Urban Groundwater | **Santiago Gómez-Herrera**, Institute for Environmental Assessment and Water Research, IDAEA-CSIC, Spain

3.15.P-Th075 Characterising Emerging Contaminants in a Groundwater Catchment Using Advanced Screening Approaches | **Nonito Ros Berja**, Catalan Institute for Water Research (ICRA), Spain

3.15.P-Th076 Bridging Polarity Gaps in Groundwater Contaminant Analysis with a Hybrid SPE Approach Combined with Non-Targeted Analysis | **Ulla Bollmann**, Geological Survey of Denmark & Greenland (GEUS), Denmark

3.15.P-Th077 Advancing Non-Target Screening for Groundwater Monitoring: Combining Reversed Phase and Hydrophilic Interaction Chromatography for Broader Contaminant Coverage | **Ulla Bollmann**, Geological Survey of Denmark & Greenland (GEUS), Denmark

Polychlorinated N-Alkanes – Current State, Challenges and the Way Forward | Louise van Mourik, Bo Yuan, Sicco Brandsma, Frank Wania

3.23.P-Th078 Fast Screening of Polychlorinated Alkanes via In-Source Chloride Ion Detection | **Ingus Perkons**, Institute of Food Safety, Animal Health and Environment BIOR, Latvia

3.23.P-Th079 Advanced LC/QTOF-MS Approach for Chlorinated Paraffins: Combining Online SPE and Non-Targeted Screening | **Christian Hegmanns**, Agilent Technologies, Germany

3.23.P-Th080 Uncovering the Relative Importance of Chemical Emissions Arising from the Application as Plastic Additives | **Chengkang Chen**, University of Toronto, Canada

3.23.P-Th081 Tracking Real and Virtual Flows of Polychlorinated n-Alkanes Associated with International Trade Between China and Rest of World | **Chengkang Chen**, University of Toronto, Canada

Recent Advances in Sample Preparation and Related Analytical Methods in Environmental Monitoring | Nicola Montemurro, Sergio Santana-Viera, Sandra Perez Solsona

3.24.P-Th082 Intensive Sampling With Ceramic Passive Samplers to Measure Contaminants of Emerging Concern in the Besòs River Delta Groundwater in Barcelona, Spain | **Giacomo Moro**, IDAEA-CSIC, Spain

3.24.P-Th083 Hydrophobic deep eutectic solvent-liquid phase microextraction as a green method for analyzing environmental contaminants in urine | **Nicola Garofalo**, Dipartimento di Scienze e Tecnologie Biologiche ed Ambientali (DiSTeBA) University of Salento, Italy

3.24.P-Th084 An Optimized Spectrophotometric Approach Based on p-Dimethylaminobenzaldehyde for Reliable Urea Monitoring in Environmental and Industrial Samples | **Hany Elfeky**, Operational and Quality Control Laboratories Sectors, Abu Qir Fertilizers and Chemicals Industries Company, Egypt

3.24.P-Th085 Determination and Occurrence of Ethylene Oxide and 2-Chloroethanol in Foods | **Yunjia Yao**, Institute of Food Safety and Health Risk Assessment, National Yang Ming Chiao Tung University, Taiwan, Taiwan (Greater China)

3.24.P-Th086 Revealing Hidden Thiol-Containing Molecules in Sediments: A Novel Extraction Strategy Based on Thiol–Disulphide Exchange and Its Application to OECD 219 Tests | **Aymeric Bellemain**, Rovaltain Research Staphyt, France

3.24.P-Th087 Fast und automated Microplastics Analysis in Carbonated Beverages by QCI based LDIR-A critical Evaluation of Spectral Range Selection and Size Detection Limits | **Andreas Kerstan**, Agilent Technologies, Germany

3.24.P-Th088 Development of Green, Comprehensive Analytical Methods for Monitoring Organic and Inorganic Disinfection By-Products in Drinking Water | **Despo Fatta-Kassinos**, University of Cyprus, Cyprus

3.24.P-Th089 Novel Untargeted Two-Dimensional Mass Spectrometry Based Environmental Analysis | **William Dixon**, Verdel Instruments, United Kingdom

3.24.P-Th090 Comprehensive Identification of Emerging Contaminants in Tap Water from 12 Countries Combining Supramolecular Solvent Extraction and Suspect Screening Analysis | **Luis Muñiz-Bustamante**, University of Cordoba, Spain

3.24.P-Th091 DPX-Based Sample Cleanup for the Analysis of Emerging Contaminants in European Eel Brain | **Nicola Montemurro**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

3.24.P-Th092 Development of a method for quantifying essential and toxic elements in whole blood for biomonitoring studies | **Lívia Bossi Val**, University of Sao Paulo, Brazil

3.24.P-Th093 TIMFIE Sampling Offers Time-Integration and Quantitative Determination of Multiclass Organic Micropollutants in Whole Water | **Ove Jonsson**, Swedish University of Agricultural Sciences, Sweden

3.24.P-Th094 Determining Water Solubility of Poorly Soluble Liquids; Beyond OECD 105 | **Bryony Retter**, Scymaris Ltd., United Kingdom

3.24.P-Th095 Evaluating a New Polymer-Based Device for Dried Urine Microsampling of Environmental Organic Contaminants | **Vitor Luiz Caleffo Piva Bigão**, University of São Paulo, Brazil

3.24.P-Th096 Automation of SVOCs Analysis in Water Using EPA 8270: A High-Throughput Workflow with GC-MS/MS and Robotic Sample Preparation | **Janina Kornas**, Agilent Technologies, Germany

3.24.P-Th097 Development and optimization of a sample preparation method for the determination of organic micropollutants in soil samples using GC-APCI-QTOF MS | **Nikolaos Boinis**, National and Kapodistrian University of Athens, Greece

3.24.P-Th098 Passive Sampling of PFAS Across the Water Cycle: Calibration, Matrix Effects, and Source Identification | **Kristina Mraz**, University of Chemistry and Technology Prague, Czech Republic

Safe Organic Waste Circularity: Monitoring and Managing Contaminants in Valorisation Processes | Mohammad Sadia, Gabriela Lucia Paladino, Erlend Sørmo, Michel Hubert

3.25.P-Th099 Fate of four 14C-labelled organic trace contaminants brought in tropical and temperate agricultural soils with organic wastes | **Antoine Spaudo**, UPR Recyclage et Risque, CIRAD, France

3.25.P-Th100 Frass for grass: Acheta domesticus frass effects on soil functions and organisms | **José Pinto**, CESAM, University of Aveiro, Portugal

3.25.P-Th101 Black Soldier Fly Frass from Olive Pomace as a Sustainable Soil Amendment in Cabbage Production | **Amid Mostafaie**, University of Aveiro, Portugal

3.25.P-Th102 Assessment of Animal Manures as Sources of Microplastics and Phthalates in Agricultural Soils | **Sheharyaar Farid**, University of Galway, Ireland

3.25.P-Th103 Assessing Metal Risks in Circular Insect Farming Using a Toxicokinetic Framework | **José Pinto**, University of Aveiro, Portugal

3.25.P-Th104 From Printed Disposable Wearable Electronics to Waste: Oxidation, Microbial Inhibition, and Environmental Impact of Copper, Silver, and Carbon Inks on Paper Substrates by Life Cycle Analysis | **Margreet de Kok**, TNO, Netherlands

3.25.P-Th105 Emerging Pollutants in Walloon Sewage Sludge: Towards an Integrated Methodology to Evaluate Health and Environmental Impacts of Farmland Spreading | **Cecile Kech**, Scientific Institute of Public Service (ISSeP), Belgium

3.25.P-Th106 Risk Assessment of Organic Contaminants in Sewage Sludge Applied to Agricultural Soil | **Trine Eggen**, NIBIO Norwegian Institute of Bioeconomy Research, Norway

3.25.P-Th107 The impact of pyrolytic conversion and biochar amendments on metal exposure and mobility in soil | **Kristin Kostadinova**, Technical University of Denmark (DTU), Denmark

3.25.P-Th108 Reduced Leaching of PFAS and Polar Organics from Biochar: The Combined Effect of Pyrolytic Removal and Increased Sorption | **Clara Benedikte Lade**, Technical University of Denmark (DTU), Denmark

Soil–Plant Transport and Mineral Weathering: Spatiotemporal Environmental Implications | Arno Rein, Andrea Di Maria, Marc Lamshöft, Ponnapat Watjanatepin

3.26.P-Th109 Assessment of Organic Contaminant Uptake in Field-Grown Fruits Irrigated with Recycled Water and Amended with Class A Biosolids | **Audrey Braun**, University of California, Riverside, United States

3.26.P-Th110 Environmental Distribution and Soil-Plant Transfer of Carbon Based Nanomaterials | **Siyari Jamatia**, Indian Institute of Technology Delhi, India

3.26.P-Th111 Refining The Hydroponic Method For Determining Plant Root Uptake Of Chemicals: An Evolved Ring Test Design | **Maximilian Küppers**, Bayer Research & Development Services LLC, Germany

3.26.P-Th112 Upward Movement of Dimethylsilanediol (DMSD) in Soil-Plant Systems | **Jaeshin Kim**, Dow Chemical Company, United States

3.26.P-Th113 Four years of monitoring the behavior of micropollutants whose source is treated wastewater or sludge from wastewater treatment plants in the soil-water-plant system | **Radka Kodesova**, Czech University of Life Sciences Prague, Czech Republic

3.26.P-Th114 Dynamic Modeling of Pesticide Uptake From Coated Seeds Into Maize Plants and Translocation to Pollen | **Arno Rein**, Technical University of Munich, Germany

3.26.P-Th115 Plant uptake of Organic Chemicals from Sewage Sludge applied to Norwegian Fields – Part of a Risk Assessment | **Stefan Trapp**, Technical University of Denmark (DTU), Denmark

3.26.P-Th116 Can Oil (Palm) and Water Mix? Ecological Risk of Heavy Metals in an Oil Palm Plantation | **Nicholas Porter**, United Kingdom Centre for Ecology & Hydrology (UKCEH), United Kingdom

3.26.P-Th117 Transformations of ZnO ENPs Change Everything: Bioaccumulation, Plant Health, and Soil Microbiome Response | **Anna Ziarkowska**, University of Life Sciences in Lublin, Poland

3.26.P-Th118 Potential risks of enhanced weathering for climate, human health, and ecosystems | **Selene Cobo**, University of Cantabria, Spain

3.26.P-Th119 Arsenic bioaccumulation in alder trees (Alnus spp) from gold mine tailings, Nova Scotia, Canada: Implications for phytoremediation and environmental risk assessment | **Ian Spooner**, Acadia University, Canada

3.26.P-Th120 Industrial chemicals in irrigated agricultural soils: a case study on the Great Bačka Canal, Vojvodina Province, Serbia | **Nataša Đurišić-Mladenović**, University of Novi Sad, Serbia

3.26.P-Th121 Pesticide Profiles in Irrigated Agricultural Soils from the Northern Serbian Province of Vojvodina | **Jelena Živančev**, University of Novi Sad, Serbia

3.26.P-Th122 Remediation of Pesticides by Vegetation Strips: the Uptake and Impact of Azoxystrobin, Diflubenzuron and 2,4-Dichlorophenoxyacetic Acid on the Species Arabidopsis thaliana | **Freya Thornley**, Newcastle University, United Kingdom

3.26.P-Th123 Tracking Environmental Organic Micropollutants in Soils and Traditional Catalan Calçots (green onions) | **Lucas Alonso**, Catalan Institute for Water Research (ICRA), Spain

3.26.P-Th124 Fate of Tire Wear-Derived Contaminants in Tire Wear Particles-Soil-Plant System | **Chao Gao**, The Hebrew University of Jerusalem, Israel

Beneath the Surface: Advancing Soil Ecotoxicology and Risk Assessment for Realistic and Sustainable Ecosystem Protection | Ricardo Petersen, Gregor Ernst, Mark Maboeta, Pia Kotschik

4.02.P-Th125 Modelling the impact of earthworm movement on pesticide exposure estimates for row crops | **Quentin Devalloir**, Office Français de la Biodiversité (OFB), France

4.02.P-Th126 The FORESEE Earthworm Model – from Conceptualisation to Completion | **Kim Rakel**, gaiac eco assessment GmbH, Germany

4.02.P-Th127 Applying the 2023 Central Zone Guidance: Challenges in Soil Analytical Verification for Rapidly Degrading Actives | **Ricardo Petersen**, ERM - Environmental Resources Management, Portugal

4.02.P-Th128 Revising guidance on pesticide risk assessment for soil organisms – considerations from an user perspective | **Gregor Ernst**, Bayer CropScience AG, Germany

4.02.P-Th129 Development of workable Specific Protection Goals for pesticide risk assessment for soil organisms | **Gregor Ernst**, Bayer CropScience AG, Germany

4.02.P-Th130 Ecological Profiling of Taxa for Risk Assessments | **Melanie Hagen-Kissling**, Eurofins MITOX, Netherlands

4.02.P-Th131 Implementing Arbuscular Mycorrhiza Fungi in an Environmental Risk Assessment – Case Study with Benomyl considering Effects on Spore Germination and Symbiosis | **Karsten Schlich**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.02.P-Th132 AM fungi – which species should be tested in laboratory tests for soil ecotoxicological risk assessment of plant protection products and their active substances | **Fritz Oehl**, Agroscope, Switzerland

4.02.P-Th133 Toxicity of Azoxystrobin to Arbuscular Mycorrhizal Fungi Assessed across Soil, Drench, and Foliar Exposures in a Controlled Intermediate-Tier Greenhouse Test System | **Ulrich Menke**, Bayer AG, CropScience, Germany

4.02.P-Th134 Toxic Cocktails in Soils : Assessing Fungicide-Insecticide Mixture Effects on Earthworm Reproduction | **Lisa Gollot**, Université Paris-Saclay, INRAE, AgroParisTech, UMR EcoSys; Experimental Toxicology and Modeling Unit, INERIS, France

4.02.P-Th135 Evaluation of an AI-based Software System for Counting and Body Size Measurement of the Springtail Folsomia candida in OECD 232 Reproduction Tests | **Andreas Duffner**, Eurofins Agroscience Services Ecotox GmbH, Germany

4.02.P-Th136 Neonicotinoid insecticide residues in agricultural soils in Germany | **Benedikt Ringbeck**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.02.P-Th137 Influence of Hydrogel Soil Amendments on Lambda-Cyhalothrin Toxicity in Two Standard Soil Mesofauna Bioindicators | **Kayode Jegede**, University of California Davis (UC Davis), USA

4.02.P-Th139 Eco-Toxicological Assessment of Hydrocarbon-Contaminated Soil Recovery Using Plant and Earthworm Bioassays | **Sulaiman Alrumman**, College of Science, King Khalid University, Saudi Arabia

4.02.P-Th140 Is biochar toxic to soil organisms? Standard tests with enchytraeids, springtails and earthworms | **Marianne Bruus**, Aarhus University, Denmark

4.02.P-Th141 Ecotoxicological Assessment of Excavation Material Contaminated by Munitions and Explosives Residues | **Renée Wouters**, Ecotox Centre, Switzerland

4.02.P-Th142 BioDive4Soil – A systematic assessment of soil biodiversity | **Karsten Schlich**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

Chemicals and Biodiversity in Managed Landscapes: Systems Thinking, Spatial Scales and Sustainable Solutions | Virginie Ducrot, Mariana Ledesma Gelos, Lorraine Maltby

4.03.P-Th143 Rehabilitating contaminated soils via phytomanagement for circular bio-Based applications: A Belgian field Case | **Pierre Lejeune**, University of Liege, Belgium

4.03.P-Th144 Assessing Channelisation Impacts on Benthic Macroinvertebrate Assemblages of a Lowland Agricultural Catchment | **Elena James**, University of Birmingham, United Kingdom

4.03.P-Th145 Lithium mining could threaten hundreds of vulnerable and endangered species | **Jacqueline Edge**, University of Birmingham, United Kingdom

4.03.P-Th146 What is biodiversity and why should we be measuring it? | **William Goodfellow**, Exponent, United States

4.03.P-Th147 The challenge of the ATAT indicator for the Global Biodiversity Framework: Good Intentions hampered by unscientific metrics | **Thomas Preuss**, Bayer AG, Germany

Environmental Hazard and Risk Assessment of UVCBs and Complex Mixtures: From Scientific Challenges to Regulatory Solutions | Kevin Bonnot, Simon Gutierrez, Romanas Cesnaitis, Sandrine Estelle Deglin

4.04.P-Th148 The Challenges of Aquatic Classification of Unknown or Variable composition, Complex reaction products or Biological materials (UVCBs) and Complex Mixtures in Lubricant Additive Packages | **Leon Rockett**, Afton Chemical, United Kingdom

4.04.P-Th149 Integrating Spatial-Temporal-Extent Prioritization and a Tiered Mixture Framework: A Regulatory Strategy for Managing PPCPs in Korean Rivers | **Jun Yub Kim**, Gwangju Institute of Science and Technology (GIST), Korea, Republic of

4.04.P-Th150 A proposal for categorizing UVCBs for aquatic ecotoxicity testing | **Benedikt Ringbeck**, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

4.04.P-Th151 Organotin compounds in dust from Colombian: Concentrations, urban influence, environmental conditions, and socio-demographic factors | **Boris Johnson-Restrepo**, School of Exact and Natural Sciences, University of Cartagena, Colombia

4.04.P-Th152 UVCB Substances: Methodology for Substance Identification, Generation of Constituents and Selection of Representative Samples | **Stela Kutsarova**, Laboratory of Mathematical Chemistry (LMC) Prof. Assen Zlatarov Burgas State University, Bulgaria

4.04.P-Th153 Evaluation of the RTgill-W1 Cell Line Assay (OECD TG 249) for Predicting Acute Fish Toxicity of Surfactants | **Roman Li**, aQuaTox-Solutions GmbH, Switzerland

4.04.P-Th154 Environmental Hazard Assessment of a UVCB under the REACH Regulation – Regulatory and Practical Perspectives | **Mandy Schneider**, UMCO GmbH, Germany

4.04.P-Th155 Navigating Environmental Risk Assessment Approaches for Natural Complex Substances : a Case Study on Essential Oils | **Héloïse Thouément**, Haskoning Nederland B.V., Netherlands

4.04.P-Th156 Chemical Mapping of Naturals Constituents through the Persistence, Bioaccumulation, Mobility and Toxicity (PBMT) Prism: Qualitative Analysis as a Precursor to Literature Data | **Kevin Bonnot**, DSM-Firmenich SA, Belgium

4.04.P-Th157 Evaluating mitigation strategies to reduce chemical and biological pollutant transfer in biosolid-amended agricultural systems. | **Morgan Giacoponi**, Institute of Environmental Assessment and Water Research - Spanish National Research Council (IDAEA-CSIC), Spain

4.04.P-Th158 Tracking alkylated decalins during biodegradation of a complex hydrocarbon substance to derive primary half-life data | **Delina Lyon**, CONCAWE, Belgium

4.04.P-Th159 Defining aquatic toxicity endpoints for pesticide mixtures - Why the ´´cat must chase its own tail´´ | **Gero Eck**, Exponent, Switzerland

4.04.P-Th160 Dioxins in Food and Feed: Update of the 2018 EFSA Risk Assessment | **Ron (Laurentius) Hoogenboom**, Wageningen University and Research (WUR), Netherlands

4.04.P-Th161 High-Throughput Assessment of Predicted Hydrocarbon Degradation Products Using Integrated QSAR Workflows and Applicability Domain Analysis | **Elaine Jennings**, Ricardo-AEA Ltd, United Kingdom

4.04.P-Th162 MEED: Finalization of the Multiyear Metals Environmental Exposure Data Collection program Anticipating the Challenges of the EU Zero Pollution Ambition Policy and the Combined Exposure to Mixtures | **Hugo Waeterschoot**, EUROMETAUX, Belgium

4.04.P-Th163 Assessment of Structural and Functional Changes to the Microbiome of Aquatic Microcosms Caused by Heavy Metals in E-waste: Cerium and Lanthanum | **Julian Blasco**, Institute of Marine Sciences of Andalusia - Spanish National Research Council (ICMAN-CSIC), Spain

4.04.P-Th164 Establishing a Robust Boundary Composition taking the Example of a Complex UVCB Substance: Analytical and Regulatory Challenges | **Johanna Becker**, Currenta GmbH & Co. OHG, Germany

Filling the Gap: Solutions for Monitoring, Modelling and Assessment of Chemical Pollution Under Data Scarcity and Low-Capacity Conditions | Werner Brack, Iseult Lynch, Tarryn Lee Botha, Arundhati Tewari

4.06.P-Th165 Low-Budget Field SPE Kit for Water Sampling | **Saskia Finckh**, Helmholtz Centre for Environmental Research GmbH (UFZ), Germany

4.06.P-Th166 Monitoring Fuel-related Volatile Organic Compound exposure in Low-Capacity Contexts: Lessons from Petrol Filling Stations in South Africa | **Suranie Horn**, North-West University, South Africa

4.06.P-Th167 A Passive Sampling Study of Volatile Organic Compounds in Skopje: Seasonal Trends and Potential Emission Sources | **Ivona Sofronievska**, Ss. Cyril and Methodius University in Skopje (UKIM), Republic of North Macedonia

4.06.P-Th168 Legacy and Emerging Pesticides in Fish from the Letaba and Inkomati Catchments in Southern Africa. | **Victor Wepener**, North-West University, South Africa

4.06.P-Th169 From Monitoring to Human Health Assessment: Contaminant Burdens and Nutritional Benefits in Azorean Fish under the MoniPOL Programme | **Joana Da Rosa**, Institute of Marine Sciences - Okeanos, University of the Azores, Portugal

4.06.P-Th170 Sharing the experience from the Spanish Monitoring Programme on POPs in Support of the Stockholm Convention | **Begoña Jiménez**, Institute of Organic Chemistry - Spanish National Research Council (IQOG-CSIC), Spain

Next Generation Environmental Risk Assessment: Incorporating NAMs, AI, and Big Data for Real World Decisions | Tobias Pamminger, Yankai Xia, Simon Gutierrez

4.12.P-Th171 Next-Generation Risk Assessment for Reproductive and Developmental Health Implications of Agrochemicals | **Yankai Xia**, State Key Laboratory of Reproductive Medicine; Key Laboratory of Modern Toxicology of Ministry of Education, School of Public Health, Nanjing Medical University, China (Mainland)

4.12.P-Th172 Extending the Health Impact Pathway Approach to Environmental Risk Assessment. Challenges and Opportunities | **Jose V. Tarazona**, Institute of Health Carlos III (ISCIII), Spain

4.12.P-Th173 The Source To Outcome Pathway (STOP) – Next Generation Risk Assessment (NGRA) put into practice | **Knut Erik Tollefsen**, Norwegian Institute for Water Research, Norway

4.12.P-Th174 Integrated Risk Assessment of Bisphenol Compounds on Obesity Using the TRAEC Strategy and Large Language Model-Assisted Evidence Synthesis | **Quanquan Guan**, Key Laboratory of Modern Toxicology of Ministry of Education, School of Public Health, Nanjing Medical University, China (Mainland)

4.12.P-Th175 The MAGIC Effect Graph – An Ecotoxicological Knowledge Base | **Lara Petschick**, iES Landau, Institute for Environmental Sciences, RPTU Kaiserslautern-Landau, Germany

4.12.P-Th176 High-Throughput Transcriptomics for Prioritization of Per- and Polyfluoroalkyl Substances in Drinking Water | **Yi Chuang**, National Taiwan University, Taiwan (Greater China)

4.12.P-Th178 Next-Generation Environmental Risk Assessment for Chemicals Regulated under Water Quality Standards in Korea and the European Union | **Chaein Chong**, University of Seoul, Korea, Republic of

4.12.P-Th179 Assessment of Air Pollution-Related Health Risks from Stratospheric Aerosol Injection | **Yuko Mochida**, Waseda University, Japan

4.12.P-Th180 Concentration Profiling and New Approach Methodology-Based Mixture Risk Assessment of Bisphenol A and Its Analogs in Foods | **Yi-Jun Lin**, Institute of Food Safety and Health Risk Assessment, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taiwan (Greater China)

Soil Monitoring and Resilience - Which Chemicals, What Effects and How to Protect Ecosystem Functioning? | Mathieu Renaud, Tiago Luz, Elmer Swart, Naila Hina

4.14.P-Th181 Prioritisation of contaminants for soil monitoring in Europe | **Xenia Trier**, University of Copenhagen, Denmark

4.14.P-Th182 PFAS Contamination in Swiss Soils – an Overview | **Elvira Rudin**, ETH Zurich, Zurich University of Applied Sciences, Switzerland

4.14.P-Th183 Normal operating ranges in soil ecotoxicology: the development of effect-based thresholds to assess the impact of chemicals on soils | **Louveline Lépeule**, Swiss Centre for Applied Ecotoxicology, Switzerland

4.14.P-Th184 A novel Mixture Risk Assessment Approach for Agricultural Soils put to the Test: Which Trophic Levels are at Risk in Soil Field Samples? | **Fabian G. P. Balk**, Swiss Centre for Applied Ecotoxicology Eawag (EPFL), Switzerland

4.14.P-Th185 Soil Risk Assessment of Pesticides: Issues with Using Regulatory and Research Data in the Retrospective Risk Assessment | **Eva Lauber**, Swiss Centre for Applied Ecotoxicology Eawag (EPFL), Switzerland

4.14.P-Th186 Effects Of Reduced Application of Pesticides On Soil Residue Concentrations And Soil Invertebrates | **Gilda Dell'Ambrogio**, Agroscope, Switzerland

4.14.P-Th187 Effects of Fluroxypyr on Soil Mesofauna Assessed by Non-Parametric Indicators in Field Mesocosms | **Iwona Gruss**, Wroclaw University of Science and Technology, Poland

4.14.P-Th188 A Microcosm on Tires? – Investigating the Presence of Microorganisms on Tire Wear Particles in Soil under Different Environmental Conditions. | **Katharina Wiessner**, University of Natural Resources and Life Sciences, University of Applied Sciences Technikum Wien, Austria

4.14.P-Th189 Urban Unconventional Water Infiltration and Soil Resilience: Hydrodynamic and Bio-Physico-Chemical Impacts | **Loïc Maurer**, University of Strasbourg, CNRS, ENGEES, ICube UMR 7357, France

4.14.P-Th190 Climate-Induced Remobilization of Nonextractable Organohalogens in Permafrost Soils | **Xiaojing Zhu**, Helmholtz Center for Environmental Research (UFZ), Germany

Statistics for Setting Endpoints – from Tried and Tested to New and Exciting Methods | Pernille Thorbek, Magdalena Mair, Benjamin Daniels, Jannicke Moe

4.15.P-Th191 Statistical Analysis of Ecotoxicology Data for Regulatory Purposes: an IEAM Special Series | **Raoul Wolf**, Norwegian Geotechnical Institute (NGI), Norway

4.15.P-Th192 The Benefits of Bayesian Statistics: Examples from the Revised OECD Document 54 Annexes | **Raoul Wolf**, Norwegian Geotechnical Institute (NGI), Norway

4.15.P-Th193 FXMATE: Open-Access Statistics for Ecotoxicity Effects MAde Totally Easy | **Jochen Zubrod**, Palinera GmbH, Germany

4.15.P-Th194 Rethinking NOEC Determination for Quantal Data with Cliff Responses: A Critique of the Cochran–Armitage Test and a Proposed Workflow | **Zhenglei Gao**, Bayer CropScience AG, Germany

4.15.P-Th195 Pool or Not to Pool Controls: An Industry Perspective | **Marysia Tobor-Kaplon**, Syngenta Crop Protection B.V., Netherlands

4.15.P-Th196 Are lack-of-fit tests fit for purpose? | **Pernille Thorbek**, BASF, United Kingdom

4.15.P-Th197 Statistics for visual injury: data types and options for dose-response modelling and species sensitivity distributions | **Pernille Thorbek**, BASF, United Kingdom

4.15.P-Th198 Biological relevance and statistical significance in Collembola soil field studies | **Pernille Thorbek**, BASF, United Kingdom

4.15.P-Th199 Methods for Assessing Dispersion to Guide CPCAT Use for NOEC Determination | **Pernille Thorbek**, BASF, United Kingdom

4.15.P-Th200 When Counts Deviate: Robust Overdispersion Diagnostics for Ecotoxicity Data | **Benjamin Daniels**, German Environment Agency (UBA), Germany

4.15.P-Th201 Old-fashioned data for a contemporary approach: Optimising toxicological studies design for Benchmark Dose modelling. | **Martin Vallon**, RIFCON GmbH, Germany

4.15.P-Th202 Challenges of Scientific Rigor and Practical Implementation of EFSA Scientific Opinion on The Use and Reporting of Historical Control Data | **Emily Scorgie**, Syngenta, Netherlands

4.15.P-Th203 Assessing LD50/10 as a Proxy for Avian Reproductive Risk in Wildlife | **Martin Vallon**, RIFCON GmbH, Germany

How Low Should You Go? Recent Developments in Absolute Environmental Sustainability Assessment | Andrea Paulillo, Anders Bjørn

5.07.P-Th204 A framework for combining prospective life cycle assessment and Absolute Environmental Sustainability Assessment (pAESA) through integrated assessment models | **Janis Gerhardt-Mörsdorf**, Technical University Clausthal, Germany

5.07.P-Th205 Additivity of Impacts Matters: Integrating Responsibility Principles in AESA of Economic Sectors | **Gabin Guillemaud**, ITAP, Univ Montpellier, INRAE, Institut Agro, Montpellier, France, France

5.07.P-Th206 Multi-dimensional allocation model within the AESA framework with Uncertainty Propagation: a case study on the EU-27 automotive sector | **Leonardo Ferhati**, DTU Wind and Energy Systems, Denmark

5.07.P-Th207 PyUNCASE - Towards A Python Package for Systematically Allocating Carrying Capacities Under Uncertainty in AESA | **Thibault Pirson**, ICTEAM Institute, Université Catholique de Louvain, Belgium

5.07.P-Th208 Assessing the Absolute Environmental Sustainability of Diets on a Spatialized Scale: A Case Study on Danish Tomato Consumption and Marine Eutrophication | **Olivier Jolliet**, Technical University of Denmark (DTU), Denmark

Modelling of Environmental Footprints of Critical And/Or Strategic Raw Materials | Andrea Amadei, Antoine Beylot, Guido Sonnemann, Roland Hischier

5.11.P-Th209 Parametric life cycle assessment (LCA) models for metallurgical-grade silicon production using novel processes | **David Clousier**, Luxembourg Institute of Science and Technology, Luxembourg

5.11.P-Th210 Reducing Ecotoxic Impacts in Offshore Operations: Modeling Produced Water CRM Extraction and APG Utilization | **Maksim Kurbasov**, DTU Offshore (Technical University of Denmark), Denmark

5.11.P-Th211 Can mineral production be sustainable? A global ecological footprint assessment of environmental trade-offs | **Kamrul Islam**, National Institute of Advanced Industrial Science and Technology, Japan

5.11.P-Th212 Advancing green metal supply-chain decisions with Canadian site-specific LCIs | **Cécile Bulle**, UQAM, Canada

5.11.P-Th213 Material Footprint of Japan based on the 2020 Input-Output Analysis and Development of Circularity Indicators | **Naoki Ichizawa**, Waseda University, Japan

5.11.P-Th214 Environmental Case for Formalising Artisanal Cobalt Mining in the Democratic Republic of the Congo: Life Cycle Assessment for Europe's Green Transition | **Xintong Cao**, Tyndall Centre for Climate Change Research, School of Engineering, University of Manchester, United Kingdom

5.11.P-Th215 Methodological Barriers in Life Cycle Assessment of Advanced Materials: Insights from the MACRAMÉ Project | **Blanca Suarez Merino**, TEMAS Solutions, Switzerland

5.11.P-Th216 Modelling Environmental Footprint of Neodymium and Dysprosium in Nd-Fe-B Magnets and Benefits of Reducing Dy Content | **Stellina Samuel**, Leiden University, Netherlands

5.11.P-Th217 How Data and Modeling Choices in Critical Raw Material Supply Chains Shape the Environmental Footprint of Electric Vehicles | **Brenda Miranda Xicotencatl**, Leiden University, Netherlands

5.11.P-Th218 New Life Cycle Inventories of Rare Earth production from Brazilian ion-adsorption clays and Australian heavy mineral sands based on mining project Feasibility Studies | **Olivier Heldwein**, BOKU University, VIRWa GmbH, Austria

5.11.P-Th219 Evaluating End-of-Life Recycling Pathways of Battery Electric Vehicles: A Life Cycle Assessment Approach | **Davis Jose**, Institute of Sustainability in Civil Engineering, RWTH Aachen University, Germany

5.11.P-Th220 LCA Analysis of Forged Steel Production: Product Assessment and Optimization Strategies for Improved Environmental Performance | **Martino Oliboni**, University of Padova, Italy

5.11.P-Th221 Can we Save Materials by Adding Materials? Exploring the Advanced BMS Paradox | **Anne van den Oever**, Free University Brussels (VUB), Belgium

5.11.P-Th222 Operationalizing the Characterization of Potential Impacts of Dissipation: an Exploration through the Ecoinvent Database | **Cécile Bulle**, CIRAIG, University of Quebec in Montreal (UQAM), Canada

5.11.P-Th223 Future Welfare Loss Method | **Bernard De Caevel**, RDC Environment, Belgium

An Early Warning System for Chemicals Enables to Identify Emerging Risks | Nicole Bandow, Bastian Zeiger, Lutz Ahrens, Patrik Andersson

6.01.P-Th224 European Stakeholder Perspectives on Early Warning Systems (EWS) for Chemicals – Insights From a Survey | **Kerstin Pütz**, IVL Swedish Environmental Research Institute, Sweden

6.01.P-Th225 Archived Suspended Particulate Matter as an Early-Warning Tool: 18-Year of Non-Target Screening Identifies Emerging Contaminants and Regulatory Success | **Javad Mottaghipisheh**, Swedish University of Agricultural Sciences (SLU), Sweden

6.01.P-Th226 Early detection of potential human and ecological risks of Critical or Strategic Raw Materials in water | **Stefan Kools**, KWR Water Research Insititute, Netherlands

6.01.P-Th227 Chemicals In Energy-Transition Technologies: Cross-Sector Inventory And Development Of A New Risk Indicator | **Adèle Bressy**, Leesu (ENPC), France

6.01.P-Th228 A Network and Cheminformatics Approach to Reveal Human Protein Targets of Endocrine-Disrupting Chemicals | **Théo Jamay**, Université Paris Cité, Inserm UMR S-1124, HealthFex, SysTox team, France

6.01.P-Th229 Embedding Health in Climate Adaptation: Research Directions for Drinking Water Systems | **Sanah Majid**, KWR Water Research Institute, Netherlands

From Pollution Hotspots to Pro-Environmental Behaviour Change: The Role of Citizen Science in Observing and Addressing Emerging Contaminants | Ana Isabel Catarino, Antonia Praetorius, Milica Velimirovic

6.05.P-Th230 Ocean Literacy and Art: How Raising Awareness through Art promotes Behaviour Change | **Joao Frias**, Atlantic Technological University, Ireland

6.05.P-Th231 A Decadal Assessment of Korea's Comprehensive Nation-Wide Marine Ecosystem Survey: Integrating Stressor Diagnostics and Ecological Health Risk Evaluation | **Gyung Soo Park**, Marine Biotechnology, Anyang University, Korea, Republic of

6.05.P-Th232 Whats in our water? Water testing design to engage different audiences | **Katie Reilly**, University of Birmingham, United Kingdom

6.05.P-Th233 Sunscreen User Habits and Public Perceptions of Sunscreen Pollution: A Case Study from a British Coastal City | **Anneliese Hodge**, University of Plymouth & Plymouth Marine Laboratory, United Kingdom

6.05.P-Th235 Collecting microfibres and behavioural insights through a citizen study on microfibre emission from household clothes washing | **Antonia Praetorius**, University of Amsterdam, Netherlands

6.05.P-Th236 Empowering Citizens to Monitor Beach Macro Litter: A Mediterranean Case Study Using the REMEDIES App | **Milica Velimirovic**, Flemish Institute for Technological Research (VITO), Belgium

6.05.P-Th237 Citizen Science Monitoring of Riverine Microplastics | **Christian Zafiu**, BOKU University, Austria

6.05.P-Th238 A Multi-Scale Citizen Science Framework Using Artificial Intelligence to Monitor Plastic Litter in Rivers and Streams | **Arne Van Overloop**, Flemish Institute for Technological Research (VITO), Belgium

6.05.P-Th239 Development of a tool for remote detection of plastic pellets based on relationships between eco-geomorphological characteristics and pellet concentrations along the Scheldt riverbanks, Belgium | **Hanne Diels**, ECOSPHERE, University of Antwerp, Belgium

Innovative Strategies in Implementing Safe and Sustainable by Design (SSbD) Approaches | Irantzu Garmendia Aguirre, Emma Stromberg, Blanca Suarez Merino, Alberto Katsumiti

6.07.P-Th240 Safe and Sustainable by Design: Driving Innovation Toward Safer and More Sustainable Chemicals, Materials, Processes and Products | **Irantzu Garmendia Aguirre**, European Commission - Joint Research Centre (JRC), Italy

6.07.P-Th241 Unveiling the 2025 SSbD framework | **Serenella Sala**, European Commission, Joint Research Centre, Directorate D – Sustainable Resources, Italy

6.07.P-Th242 A Common Language for Safe and Sustainable by Design: One Wordbook to Understand Them All | **Joséphine Steck**, Univ. Grenoble Alpes, CEA LITEN DTNM, France

6.07.P-Th244 Methods and Tools for the Safety Assessment of Advanced Materials | **Vicenç Pomar Portillo**, Swiss Federal Laboratories for Materials Science and Technology (EMPA), Spain

6.07.P-Th245 New approach methodologies for the safety assessment of Advanced Materials | **Alberto Katsumiti**, GAIKER Technology Centre, Spain

6.07.P-Th246 In vitro Ecotoxicity Models for Hazard Screening of Advanced Materials in support of SSbD Assessment | **Alberto Katsumiti**, GAIKER Technology Centre, Spain

6.07.P-Th247 Tier 2/3 in vitro methods for early stage-hazard assessment of Safe and Sustainable by Design (SSbD) biocides | **Alberto Katsumiti**, GAIKER Technology Centre, Spain

6.07.P-Th248 Integrating Predictive Ecotoxicology into the Sustainable Design of Paper-Based Electronic Materials | **Dominika Kowalska**, QSAR Lab, Poland

6.07.P-Th249 Occupational and consumer exposure to VOCs during the production and use phase of renewable Wood Plastic Composites for car interior trims | **Wouter Gebbink**, Flemish Institute for Technological Research (VITO), Belgium

6.07.P-Th250 The ProScale Suite | **Therese Kärnman**, Swedish Environmental Research Institute (IVL), Sweden

6.07.P-Th251 Extending ProScale to Far-Field Human Exposure: The Indirect Exposure (IE) Module | **Efstathios Reppas Chrysovitsinos**, Swedish Environmental Research Institute (IVL), Sweden

6.07.P-Th252 Does Chain Length Matter? Influence of Molecular Properties on the Ecotoxicity of Alkyl Phosphate Flame Retardants | **Milo de Baat**, University of Amsterdam (UVA), Netherlands

6.07.P-Th254 Implementing Safe and Sustainable-by-Design Strategies in the Development of TiO_2@Surfactin for Cosmetic Application | **Sara Trabucco**, Informatics and Statistics, Ca' Foscari University of Venice, Italy, Italy

6.07.P-Th255 Implementing the Joint Research Centre's (JRC) Safe and Sustainable by Design (SSbD) Framework to Guide the Development of Novel Bio-Based Flame Retardants Within the BIOSAFIRE Project. | **Patricia Ares-Elejoste**, GAIKER Technology Centre, Basque Research and Technology Alliance (BRTA), Spain

6.07.P-Th256 Innovative Furniture Design Solutions for Eliminating Chemical Flame Retardants | **Rowan Stanforth**, Fidra, United Kingdom

6.07.P-Th257 Implementing Safe-and-Sustainable-by-Design for Perovskite-Silicon Tandem Solar Cells | **Katharina Lang-Hogrefe**, BioNanoNet Forschungsgesellschaft mbH, Austria

6.07.P-Th258 Towards Ideal Safe and Sustainable Home Batteries: Criteria and Application | **Johannes Lijzen**, National Institute for Public Health and the Environment (RIVM), Netherlands

6.07.P-Th259 From Lignin to BPA-Free Epoxy Resins: Implementing Safe and Sustainable by Design in Polymer Innovation | **Wouter Gebbink**, PFA Brussels, Belgium

6.07.P-Th260 Implementing the SSbD framework to support the development of bio-based sustainable surfactants | **Elena Badetti**, Ca' Foscari University of Venice, Italy

6.07.P-Th261 From Control Banding to Integrated Assessment: A Dual Risk and Environmental Approach Applied to Proton Exchange Membrane Electrode Fabrication | **Joséphine Steck**, Univ. Grenoble Alpes, CEA LITEN DTNM, France

6.07.P-Th262 Data quality, data gaps and functionality: Development of a transparent safety assessment framework within the BIORING project | **Joanke van Dijk**, TEMAS Solutions GmbH, Switzerland

6.07.P-Th263 Data Requirements for the Redesign of Mineral Carbonation Process with the 'Safe and Sustainable-by-Design' Principles | **Ponnapat Watjanatepin**, KU Leuven, Belgium

6.07.P-Th264 SSbD4SME: A Digital Tool Assisting SMEs in the Development of Safe and Sustainable Products | **Wouter Gebbink**, Flemish Institute for Technological Research (VITO), Belgium

6.07.P-Th265 Bridging Science and Industrial Innovation: Implementation of the Safe and Sustainable by Design (SSbD) Framework in the Development of Alternatives to Substances of Concern in the DESIDERATA project | **Panagiotis Isigonis**, Luxembourg Institute of Science and Technology, Luxembourg

6.07.P-Th266 Critical evaluation of the SSbD framework to support early stage innovation | **Hiram Moerman**, apeiron-team NV, Belgium

6.07.P-Th267 Tailoring, Tiering and Archetypal Scenarios: Outcome of two Workshops on SSbD Scenarios in the Network for Safe and Sustainable Chemicals & Materials (NSC) | **Wendel Wohlleben**, Federal Institute for Occupational Safety and Health (BAuA), Germany

6.07.P-Th268 A certification Scheme for Safe and Sustainable by Design: Fulfilling the Needs of Industry | **James Baker**, TEMAS Solutions, Netherlands

6.07.P-Th269 A Matrix-based Scoring System for Selecting Safe and Sustainable by Design Solutions in a Bio-based Coatings Development | **Joanke van Dijk**, TEMAS SOLUTIONS, Switzerland

Risk Perceptions, Risk Communication, and Public Trust in Environmental and Risk Assessment | Paris Jeffcoat, Gordon Hickey, Sophia Roy, Abdur-Rahman Ali

6.09.P-Th270 Parameter Influence on Environmental Impact Targets in Battery Production: A Systematic Sensitivity Approach | **Abdur-Rahman Ali**, Institute of Machine Tools and Production Technology (IWF), Technische Universität Braunschweig, Germany

6.09.P-Th271 What Level of Protection Does the Public Prefer in Setting Environmental Water Quality Benchmarks for Aquatic Life? A Nationwide Web Survey in Japan | **Yuichi Iwasaki**, National Institute of Advanced Industrial Science and Technology, Japan

6.09.P-Th272 A Review of Default Assumptions Used in Bird and Mammal Risk Assessments for Seed Treatments and Potential Mitigation Options for the UK | **Helena Crosland**, Cambridge Environmental Assessments (CEA), United Kingdom

6.09.P-Th273 Pesticide Fates and Effects on Environments in the Northern Zone | **Kati Räsänen**, Natural Resources Institute Finland (Luke), Finland

6.09.P-Th274 Enabling regulatory validation and innovation: Precaution, risk, "Toxic Ignorance Cycles", and New Approach Methodologies | **Paris Jeffcoat**, McGill University, Canada

Translating Laboratory-Based Ecotoxicological Assessments to Population-Level Effects of Chemicals | Maria Arena, Emily McVey, Laurent Lagadic, Francesca Pellizzato

6.11.P-Th275 What('s in) the shell! Is shell deposition an acute endpoint? | **Lennart Weltje**, BASF, Germany

6.11.P-Th276 Progressing Short-Term Methods to Estimate Chronic Marine Toxicity for Regulatory Use in the North-East Atlantic Region | **Kirit Wadhia**, National Oilwell Varco (NOV), United Kingdom

6.11.P-Th277 Integrating Behavioural Endpoints and Community-Level Effects to Understand Ecosystem-Level Impacts of Psychopharmaceuticals | **Elien Versteegen**, Wageningen University and Research (WUR), Netherlands

6.11.P-Th278 The SETAC MAPPED workshop: a proposed list of fish species to assess for the population relevance of endocrine disruption | **Thomas Preuss**, Bayer AG, Germany

6.11.P-Th279 The SETAC MAPPED workshop: Application of effect modelling to assess population relevance of endocrine disruption mediated effects on freshwater fish | **Melissa Reed**, Health and Safety Executive (HSE) - Chemical Regulation Division, United Kingdom

Advancing Pollution Control in Wastewater: Monitoring, Risks, and Regulatory Transitions | Despo Fatta-Kassinos, Stefan Kools

7.02.P-Th280 City-Scale Shotgun Metagenomic Surveillance of Antimicrobial Resistance across a sewage network that includes Urban, Hospital, and Airport Wastewater in Larnaca, Cyprus | **Despo Fatta-Kassinos**, University of Cyprus, Cyprus

7.02.P-Th281 Sampling Approaches for Wastewa-

ter-Based Epidemiology: Influences of Time-Weighted Composite and Grab Sampling through Time | **MD Alamin**, Baylor University, United States

7.02.P-Th282 Treatment of microplastics in wastewater treatment plants (WWTPs) case studies in Wallonia, Belgium: methods and results | **Audrey Joris**, ISSeP, Belgium

7.02.P-Th283 Practical Experiences with Controlling Ozonation in Full-Scale Quaternary Treatment for Micropollutant Removal from Municipal Wastewater | **Birte Raes**, Aquafin, Belgium

7.02.P-Th284 Enhancing Pharmaceutical Removal via Photoelectrochemical Oxidation in Wastewater Effluent | **Sanjeeb Mohapatra**, Delft University of Technology, Netherlands

7.02.P-Th285 Exploring Biological Activity in Granular Activated Carbon during Full-Scale Quaternary Treatment at a Municipal Wastewater Treatment Plant | **Birte Raes**, Aquafin, Belgium

7.02.P-Th286 Biodegradation of Imidacloprid in a Microbial Fuel Cell and Its Residual Toxicity to Daphnia similis | **Teresa Paiva**, Universidade de São Paulo, Escola de Engenharia de Lorena, Brazil

7.02.P-Th287 Wastewater treatment plants in Wallonia (Belgium): their impact on endocrine disruption in aquatic environments and their treatment efficiency (STEP-PE project) | **Carole Chalon**, ISSeP, Belgium

7.02.P-Th288 Assessing Wastewater and Sewage Sludge Treatment Efficiency by Combining Physicochemical Characterization and in vivo Endocrine Disruption Bioassays | **Sara Cvetkovics**, University of Montpellier, France

7.02.P-Th290 Deployment and Performance Evaluation of a Biofilm-Based Passive Sampler for Urban Wastewater Monitoring | **Azziz Assoumani**, INERIS, France

7.02.P-Th291 Lab-controlled evaluation of different passive samplers to monitor pulsed micropollutant levels | **Anna Huang**, Wageningen University and Research (WUR), Netherlands

7.02.P-Th292 Automated Passive Sampler Exposure Device (PASED) for Monitoring of Organic Contaminants in Water | **Kai Wilschnack**, University of Porstmouth, United Kingdom

7.02.P-Th293 Integrated Ecotoxicological Approach with Advanced Chemical Analyses to Study Natural Toxic Mixtures from WWTP Affected River Waters | **Maria Teresa Palumbo**, Italian National Research Council (CNR), Italy

7.02.P-Th294 Integrated study of the water quality of the San Pedro River, Aguascalientes, Mexico: determination of physicochemical, toxicological and microbiological risk | **Mario Alberto Arzate-Cárdenas**, Universidad Autónoma de Aguascalientes, Mexico

7.02.P-Th295 Effects of metal-salt phosphate precipitation on riverine ion loads and biological endpoints: Insights from a two-year monitoring | **Theresa Piana**, Institute for Environmental Sciences, RPTU Kaiserslautern-Landau, Germany

7.02.P-Th296 Bridging Wastewater and Potable Water: Challenges and Recommendations | **Dominique Narain-Ford**, RIVM, Netherlands

7.02.P-Th297 Prioritization of Relevant Micropollutants in Reclaimed Water use in Agriculture | **Lucas Alonso**, Catalan Institute for Water Research (ICRA), Spain

7.02.P-Th298 How to Find Persistent Chemicals in Discharges – Persistence-Directed Testing Combined With Target, Suspect and Nontarget Analysis | **Pia Kronsbein**, Technical University of Denmark (DTU), Denmark

7.02.P-Th299 The "rapidly biodegradable" criterion in the recast Urban Waste Water Treatment Directive: regulatory uncertainty and methodological implications for micropollutant exemption | **Floriane Demailly**, CEHTRA, France

Exploring Planetary Boundaries and Transformation Pathways for Novel Entities | Miriam Diamond, Anna Shalin, Zhanyun Wang

7.06.P-Th300 Environmentally Safe and Just Pharmacy: A Framework and Action Plan for Operating Within the Earth System Boundary for Novel Entities | **Alistair Boxall**, University of York, United Kingdom

7.06.P-Th301 Methods to Assess Planetary Boundaries for Chemical Pollution - Interim and Future Approaches | **Kristina Flexman**, WSP, United Kingdom

7.06.P-Th302 Equity and Sustainability: Broader Implications of Downscaling Planetary Boundaries | **Rodrigo Salvador**, Technical University of Denmark (DTU), Denmark

7.06.P-Th304 Getting to the Boundary: Collecting and Mapping Chemical Concentrations Globally | **Anna Shalin**, University of Toronto, Canada

7.06.P-Th305 Mapping Global Burdens of Novel Entities in People | **Matthis Schäfer**, ETH Zurich, Switzerland

7.06.P-Th306 Global Emissions of Selected Engineered Nanomaterials: Towards Defining Planetary Boundaries for Novel Entities | **Stig Olsen**, Technical University of Denmark (DTU), Denmark

7.06.P-Th307 Effect of anthropogenic nanoparticles on the fate of natural suspended particulate matter | **Alice Pradel**, CEREGE, CNRS, Aix Marseille University, IRD, INRAE, France

Health and Well-Being Effects of Blue Spaces: The Ocean-Human Health Nexus in an Ocean Under Stress | Gert Everaert, Manuel Soto, Jana Asselman

7.07.P-Th308 The Nasal Microbiome as Exposome Biomarker in Belgian Coastal and Inland Inhabitants | **Silke Lambert**, Ghent University, Belgium

7.07.P-Th309 Immunological responses to marine aerosols: the influence of bacterial abundance and endotoxin levels | **Maarten De Rijcke**, Flanders Marine Institute (VLIZ), Belgium

7.07.P-Th310 Emotional Responses to Coastal and Urban Environments: an Immersive Video Experiment | **Elias De Craene**, Flanders Marine Institute (VLIZ); Ghent University; KU Leuven, Belgium

7.07.P-Th311 Marine Mammals Stranded in the Basque Coast Under the One Health Approach: Anisakis SP. And Avian Influenza | **Manuel Soto**, Research Centre for Experimental Marine Biology and Biotechnology (PiE-EHU/UV), University of the Basque Country, Spain

7.07.P-Th312 Strategies for Healthy Ageing: Physiological, Psychological and Cognitive Responses to Coastal vs. Urban Exposure in Older Adults | **Elias De Craene**, Flanders Marine Institute (VLIZ); Ghent University; Catholic University of Leuven, Belgium

7.07.P-Th313 A transdisciplinary framework to accelerate research on ocean-human health connections | **Gert Everaert**, Flanders Marine Institute (VLIZ), Belgium

7.07.P-Th314 One Health case study at the bay of Plentzia (Basque Country) | **Oihane Diaz de Cerio**, Research Centre for Experimental Marine Biology and Biotechnology (PiE-EHU/UV), University of the Basque Country, Spain

7.07.P-Th315 Microbial Hydrocarbon Degradation Potential of the Baltic Sea Ecosystem | **Joeselle Serrana**, Stockholm University, Sweden

Holistic Sustainability Assessment: Innovative Approaches for Integrating Environmental, Societal, Health, and Economic Analysis for Decision-Making | Sahar Nava, Elvia Rufo, Peter Simpson, Lucia Rigamonti

7.08.P-Th316 A First-of-Its-Kind Ontology Supporting Safe and Sustainable by Design Decision-Making in the Plastic Value Chain | **Arturo Hernandez Morales**, IDENER.AI, Mexico

7.08.P-Th317 Material Bottlenecks in the Green Transition: The Case of Resource Criticality and Circular Design in PEM Electrolyzers | **Gero Walter**, RWTH Aachen University, Germany

7.08.P-Th318 Integration of Risk Assessment Results into a Holistic Evalution of Remediation Solutions for Contaminated Sites – a Case Illustration at Tier 1 and Tier 2 Levels of Risk Assessment | **Gabrielle Dublet-Adli**, Norwegian Geotechnical Institute (NGI), Norway

7.08.P-Th319 Economic Sustainability Assessment of Sea Bass Feed with Black Soldier Fly Meal: Integrating ESM, TEA, and I-O Models" | **Marta Ferreira Dias**, GOVCOPP, DEGEIT, University of Aveiro, Portugal

7.08.P-Th320 Comparing and Prioritizing Measures for Remediating Polluted Soils: A Holistic and Integrated Framework for Socio-economic Analysis | **Elvia Rufo**, RIVM, Netherlands

7.08.P-Th321 The ARAGORN Decision tree - guidance for remediating and restoring contaminated soils through co-creation and integrated risk, socio-economic and resilience assessment | **Mari Engvig Løseth**, Norwegian Geotechnical Institute (NGI), Norway

7.08.P-Th322 Towards Healthy Soils: A Decision Support Tool for Sustainable Remediation Practice | **Michel Hubert**, Norwegian Geotechnical Institute (NGI), Norway

Implications of Climate Change for Agriculture Ecosystems: What Does It Mean for Plant Protection Product Risk Assessments and Agricultural Practices? | Giovanna Meregalli, Antonio Trabucco

7.09.P-Th324 Mitigating Climate Stress in Tea Cultivation: Monitoring Conventional vs. Eco-friendly Strategies for Environmental Risk Assessment and Crop Resilience | **Jehn-Yih Juang**, National Taiwan University, Taiwan (Greater China)

Innovative and Transdisciplinary Approaches to Eliminate Hazardous Chemicals and Develop More Sustainable Chemicals and Materials | Patrik Andersson, Aji Mathew, Kerstin von Borries

7.10.P-Th325 Towards a Safe, Sustainable and Sufficient Chemistry | **Romain Figuière**, Stockholm University, Sweden

7.10.P-Th326 Enhancing Hazard Assessment in Safe and Sustainable by Design: The Case of Mistra SafeChem | **Ziye Zheng**, Swedish Environmental Research Institute (IVL), Sweden

7.10.P-Th327 Predicting Hazard Statements Under the Classification, Labelling and Packaging Regulation Using Conformal Prediction and Molecular Representations | **Ziye Zheng**, Swedish Environmental Research Institute (IVL), Sweden

7.10.P-Th328 Application of the Safe and Sustainable by Design Framework: A Case Study on Bisphenol A and Its Alternatives | **Josefine Kjaer Helgstrand**, IVL Swedish Environmental Research Institute, Sweden

7.10.P-Th329 Using Machine Learning Approaches to Understand Microbial Metabolism of Pharmaceuticals within the Environment to Facilitate Design for Degradation in Medicinal Chemistry | **Roisin Murphy**, University of York, United Kingdom

7.10.P-Th330 Optimized Throughput in Aquatic Ecotoxicology: A Platform for Early-Phase Assessment of Agrochemicals | **Hannes Reinwald**, Bayer Research & Development, Germany

7.10.P-Th331 Image processing and acquisition for the automated assessment of ecotoxicological effects | **Rainer Kathan**, Bayer AG, CropSience, Germany

7.10.P-Th332 Safety aspects of novel fluorine-free coatings under the SSbD framework | **Ziye Zheng**, Swedish Environmental Research Institute (IVL), Sweden

Solutions from Source to Sink: Preventing, Removing, and Managing Pollution Across the Plastic Continuum | Nanna B. Hartmann, Eva C. Sonnenschein, Meredith Evans Seeley, Lars Michael Hildebrandt

7.12.P-Th333 The Drain is a Reactor: Assessing Interactions in the Wastewater System | **Stuart Walker**, University of Sheffield, United Kingdom

7.12.P-Th334 Looking forward to the EU Urban Wastewater Treatment Directive (UWWTD): Development of a novel sampling and sample preparation approach for microplastic analysis | **Mike Wenzel**, MicroBubbles GmbH, Germany

7.12.P-Th335 Longitudinal and Vertical Distribution of Tire & Road Wear Particles and Microplastics in Contrasting Urban Bioswales | **Sampriti Roy**, Université Gustave Eiffe, France

7.12.P-Th336 Polymer Identification and Plastic Additive Screening from Multiple Trap Fisheries | **Catherine Wardinski**, Virginia Institute of Marine Science, USA

7.12.P-Th337 Nanoplastic filtration using native wood membranes: A nature-based solution to water purification | **Alice Pradel**, Environmental Systems Science Department, ETH Zurich, Switzerland

7.12.P-Th338 Exploring Dutch Rivers: Scaling of Dimensions and Concentrations of Plastics | **Jasmijn Polinder**, Radboud University, Netherlands

7.12.P-Th339 From Source to Sea: Identifying Macrolitter Sources for Sustainable Litter Management at the Yser River Mouth | **Therese Nitschke**, Flanders Marine Institute (VLIZ), Belgium

7.12.P-Th340 Microplastic Pollution and Ecotoxicological Impact of the surface waters and sediments of rivers collected in Japan | **Go Suzuki**, National Institute for Environmental Studies (NIES), Japan

Tracing Past Pollution With Unconventional Proxies: Legacy Footprints Guiding Today's Environmental Risk Decisions | Thomas Schiedek, Kristin Haas, Sara Saeidi Ghavi Andam

7.14.P-Th341 Historical Foraminiferal Collections as a Resource for Monitoring Anthropogenic Impacts on Marine Environments | **Laura Cotton**, Natural History Museum Denmark, Denmark

7.14.P-Th342 Foraminifera as historical archives of micro(nano)plastic contamination revealed by sub-micron O-PTIR spectroscopy | **Carlos Edo**, Natural History Museum Denmark, Denmark

7.14.P-Th343 Non-Destructive Portable X-Ray Fluorescence for Multi-Metal Assessment in Mussel Shells from Port Phillip Bay, Australia | **Damien Nzabanita**, Ecotoxicology Research Group, RMIT University, Australia

Valuing Water Together: Transdisciplinary Collaboration to Achieve Actionable and Inclusive Water Quality! | Chantal van Drimmelen, Corine Houtman, Bryan Brooks, Laura Carter

7.15.P-Th344 Towards a Cleaner Meuse: Collaborative Strategies for Micropollutant Reduction in the River Basin | **Ruud Steenbeek**, Dunea, Netherlands

7.15.P-Th345 Catchment Communities: An Interdisciplinary Approach for Innovative Citizen Science Water Quality Monitoring Tools | **Nathan Maréchal**, Dublin City University (DCU), Ireland

7.15.P-Th346 Participatory research of water bodies as a strong tool to manage environmental problems. | **Maria Laura Lavaggi**, University of the Republic Uruguay (UdelaR), Uruguay

7.15.P-Th347 Economic Valuation of Water for Better Policy Decisions | **Thea Sletten**, Economics for the Environment Consultancy (EFTEC), United Kingdom

7.15.P-Th348 Valuing micropollutants in LCA: are Waste Water Treatment Plants Good for the Environment? | **Niels Jonkers**, Waternet, Netherlands

7.15.P-Th349 Effect-Based Methods to Study the Occurrence and Fate of Antibiotics in Wastewater and Surface Water. | **Jaimy de Schepper**, Het Waterlaboratorium, Netherlands

7.15.P-Th350 Assessment of industrial wastewater treatment plant effluent quality using bioassays | **Nessia Fausta**, Evides Industriewater, Netherlands

7.15.P-Th351 Integrated Approaches to Improve Chemical Water Quality in Surface and Drinking Water | **Corine Houtman**, Het Waterlaboratorium; Amsterdam Institute for Life and Environment (A-LIFE), VU University Amsterdam, Netherlands

7.15.P-Th352 Seasonal Occurrence and Water Quality Hazards of Per- and Polyfluoroalkyl Substances in Estuarine Systems across a Gradient of Effluent Contributions to Base Flow | **HyeongYoung Choi**, Baylor University, United States

7.15.P-Th353 Gradually Emerging Threats and Their Impact on Sustainable Drinking Water Security: Dutch Insights | **Dominique Narain-Ford**, RIVM, Netherlands

7.15.P-Th354 A Transdisciplinary Journey to Establish Safe Operating Spaces in European Rivers | **Jennifer Laurent**, Stockholm University, Sweden

Presenter Index

Presenter Index

Presenter Index

D

E

F

G

H

I

J

K

L

Presenter Index

M

N

O

P

Q

R

S

Presenter Index

T

U

V

W

X

Y

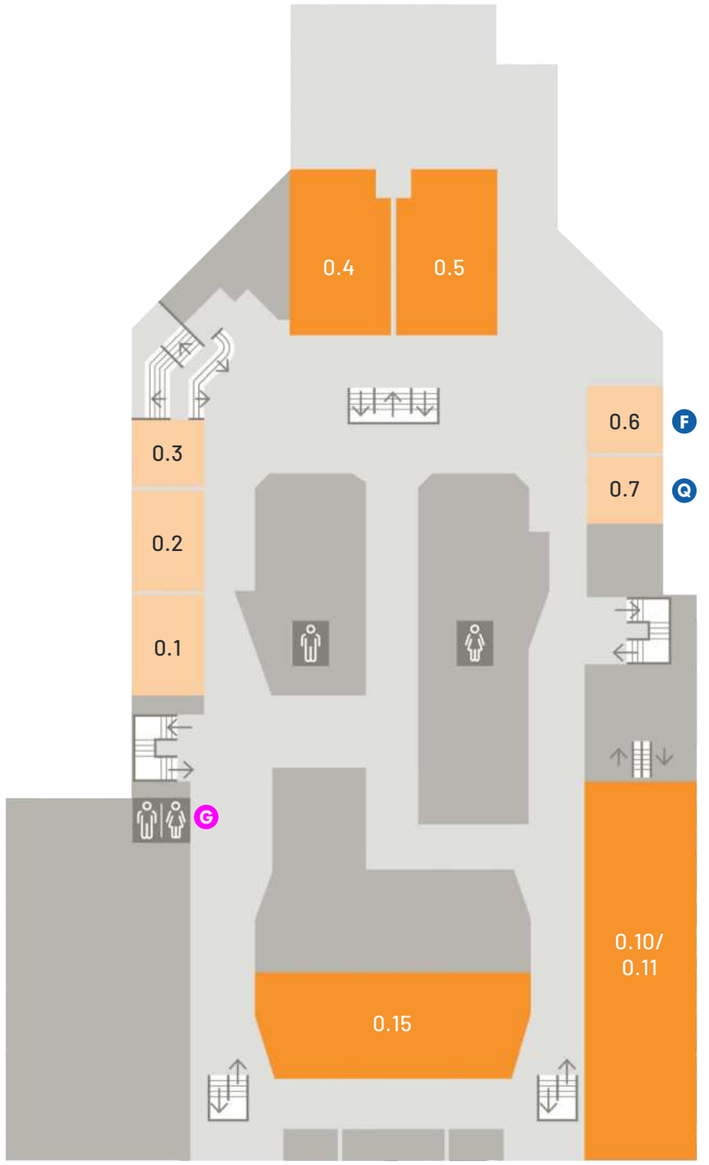
Z

Presenter Index

Floor Plan

Level 0

- Session Rooms
- Meeting Rooms
- (F) Family Room
- (Q) Quiet Room
- (G) All-Gender Restroom

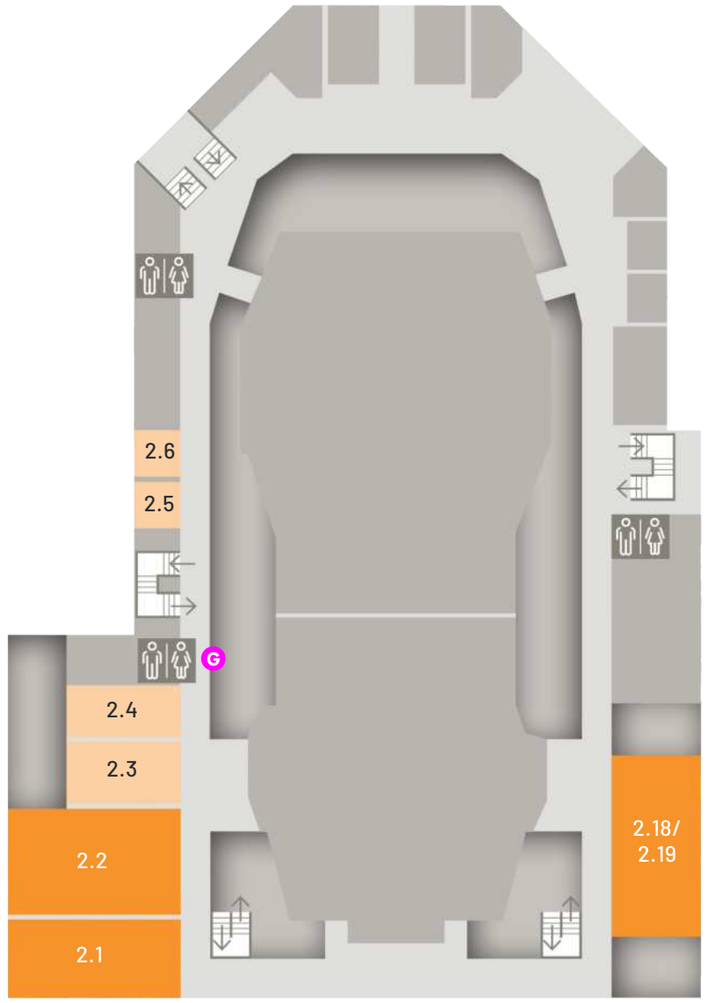


Level 1

- Session Rooms
- Meeting Rooms
- Speaker Ready Room
- Poster Corners
- All-Gender Restroom
- Cloakroom

Level 2

- Session Rooms
- Meeting Rooms
- All-Gender Restroom



Notes

Notes

Notes

Notes

Notes

Meeting Policies

SETAC provides open, safe forums for the purpose of exchanging ideas and information on the study, analysis and solution of environmental problems, the management and regulation of natural resources, promotion of scientific research and the development of strong environmental education.

Conduct

Participants in SETAC activities are expected to adhere to the highest standards of integrity and professionalism and comply with all SETAC policies, including the SETAC Participant Policy and Code of Conduct.

Reporting Harassment or Other Violations

Individuals who become aware of potential breaches of SETAC policies and its practices are encouraged to report concerns so that SETAC can address and correct inappropriate conduct and actions through SETAC's Problem Resolution SOP. SETAC is committed to open communication and will endeavour to protect individuals reporting issues from any reprisals or victimisation consistent with the SETAC Whistleblower Policy.

SETAC reserves the right to remove an individual who does not adhere to the SETAC policies from the event without warning or refund, prohibit attendance at future SETAC meetings, workshops or other SETAC-sponsored events, and notify the individual's employer.

Presentation Recording and Photographing

SETAC embraces a set of values, which include transparency, integrity and civil dialogue. As part of our commitment to be an open and transparent society, we encourage meeting attendees to share the research being presented as long as they do so in a respectful manner, honour the intellectual property of the presenter, and provide appropriate attribution.

While the default assumption is to allow for open discussion of and access to scientific content of presentations at SETAC events, please respect a presenter's request to refrain from photographing or disseminating the contents of their talk or poster. Presenters may have various reasons for opting out, such as guarding intellectual property or not wanting preliminary data disseminated while they are seeking feedback from peers.
Presenters are encouraged to use the no recording or copying icon on their slides or posters to discourage content copying.

Cell Phones

Out of courtesy to our speakers and attendees, we require that all cell phones be turned off during sessions and meetings.

Photo Release

Photographs will be taken during the SETAC Europe meeting. By registering for this meeting, you agree to allow SETAC to use your photo in any SETAC-related publication or website.

If you experience or witness harassment or inappropriate behaviour at the meeting, please:

1. **Act**: If you feel safe doing so, point out, interrupt, and redirect.
2. **Report**: Please report any incidents to any SETAC staff member. You can also contact one of the SETAC compliance officers:
   - Email concerns@setac.org.
   - Call Bart Bosveld at +32 2 772 72 81 Ext. 206, or Jill Murray at +32 2 772 72 81 Ext. 212

PROBLEM RESOLUTION PROCESS

Society of Environmental Toxicology and Chemistry

Europe, Africa

Avenue des Arts 53
1000 Brussels,
Belgium
T +32 2 772 72 81

Americas

712 H Street NE, Suite 1889
Washington, DC 20002,
United States
T +1 202 677 3001

Asia-Pacific

2/290 Boundary Street
Spring Hill, Brisbane, QLD
4000 Australia
T +61 451887898

E setac@setac.org