PROGRAMME BOOK

SETAC EUROPE 33RD ANNUAL MEETING

30 APRIL–4 MAY 2023 | DUBLIN, IRELAND + ONLINE

"DATA-DRIVEN ENVIRONMENTAL DECISION-MAKING"

Prince Sultan Bin Abdulaziz International Prize for Water

Recognizing Innovation

Winners for the 10th Award (2022)

Creativity Prize

Creativity Prize

1) The team led by Thalappil Pradeep (Indian Institute of Technology, Madras, India)
for the creation and successful deployment of environmentally friendly "water positive" nanoscale materials for the affordable, sustainable and rapid removal of arsenic from drinking water. Team members include Avula Anil Kumar, Chennu Sudhakar, Sritama Mukherjee, Anshup, and Mohan Udhaya Sankar.


Dr. Thalappil Pradeep

2) The team led by Dionysios D. Dionysiou (University of Cincinnati, USA)
for the development of innovative advanced oxidation technologies and nanotechnologies for environmental applications, particularly in the removal and monitoring of emerging contaminants. Team members include Wael H.M. Abdelraheem, Abdulaziz Al-Anazi, Jiong Gao, Ying Huang, and Vasileia Vogiazi.


Dr. Dionysios D. Dionysiou

Surface Water Prize

Surface Water Prize

Dennis D. Baldocchi (University of California Berkeley, USA)
for the development and implementation of effective models to understand, evaluate and predict evapotranspiration and water-use efficiency in various environments under climate change conditions.


Dr. Dennis D. Baldocchi

Groundwater Prize

Groundwater Prize

Linda M. Abriola (Brown University, USA)
for pioneering research on toxic Dense Non-Aqueous Phase Liquids (DNAPLs) in groundwater, ranging from the simulation of their fate to effective methods for cleaning contaminated sites.


Dr. Linda M. Abriola

Alternative Water Resources Prize

Alternative Water Resources Prize

The team of Menachem Elimelech (Yale University, USA) and Chinedum Osuji (University of Pennsylvania, USA)
for wide-ranging advances in nanostructured materials for next-generation water purification, focusing on implementation issues like manufacturing, sustainability, self-assembly, and biofouling.


Dr. Menachem Elimelech


Dr. Chinedum Osuji

Water Management and Protection Prize

Water Management & Protection Prize

The team led by Matthew McCabe (KAUST, Thuwal, Saudi Arabia)
for employing CubeSat constellations in the sustainable management and security of linked water-food systems, along with estimates of agricultural water use at unprecedented spatial and temporal resolutions and with global coverage. Team members include Bruno Aragon (KAUST) and Rasmus Houborg (Planet Labs, USA).


Dr. Matthew McCabe

Invitation for Nominations

11th Award (2024)

Nominations open online until 31 December 2023

www.psipw.org e-mail: info@psipw.org

Welcome to Dublin

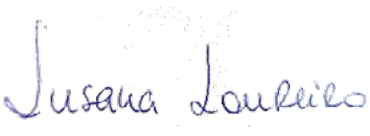
We are finally here, in Dublin, for SETAC! Having had to go online in 2020 for the first SETAC SciCon, it is fantastic to welcome everyone to Dublin for the SETAC Europe 33rd Annual Meeting. Ireland has a long tradition as the island of saints and scholars (as well as party animals) and indeed, some wonderful Irish science will be on display over the course of the week, alongside that of our European and global SETAC collaborators and friends. The scientific and parallel programme is so exciting that we hit the in-person attendance limits, – something that we hope to avoid in the future but which is a testament to the spirit and excitement within our global community of researchers – now really is the critical time to be an environmental scientist!

Some important discussions will be happening this week on a range of critical topics, such as the EU Green Deal; the UNEP science-policy panel for chemicals and waste management; the ongoing discussions around monitoring, measuring and mitigating (regulating) the impacts from microplastics; how to speed up the integration of new approach methodologies (NAMs) including adverse outcome pathways into regulatory practice; and how to promote the transition towards nature-based solutions, to name just a few. Join in these exciting conversations at the scientific sessions, the topical discussions, the poster boards or by catching up with key colleagues during coffee or lunch, and of course, reach out to any of us at SETAC if you need some help to find your feet at the meeting. Join the social events, including the kayaking on the Liffey – which used to be highly polluted and "stank like hell" in the summer but is now generally in line with EU water framework directive standards, and the Liffey sweeper has been in operation since 2021 collecting (plastic and other) debris and data from the river and port areas.

Amongst all the great science and networking opportunities, do take some time to explore our wonderful green spaces in Dublin, including Pheonix Park (the largest city park in Europe and home to the Irish President, the zoo and our national wild deer herd) and the Bull Island nature reserve. If an off-the-beaten-track is more your thing, check out the hidden gems of the Iveagh Garden (Dublin's secret garden) or Morehampton Road Wildlife Sanctuary. For culture vultures, the Little Museum of Dublin is worth a look, as is EPIC (The Irish Emigration Museum at CHQ) which explores why the Irish have had such an impact globally.

On behalf of the entire Dublin Programme Committee, we are delighted to say Fáilte go SETAC Baile Atha Cliatha agus sláinte (welcome to SETAC Dublin, and to your health).

Isuelt Lynch
Chair, Scientific Committee



Susana Loureiro
Co-chair, Scientific Committee

Content

WIFI
Network: SETAC
Password: setac2023

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 registration desk during the meeting or contact Barbara Koelman at barbara.koelman@setac.org.

Welcome from SETAC Europe

Dear colleagues and friends,

A warm welcome to the SETAC Europe 33rd Annual Meeting. This year we meet in Dublin, a city we planned to visit in 2020 already. For reasons we all remember too well, SETAC Europe and the convention centre agreed to postpone our plans, allowing us to finally meet in this wonderful city – just a little later. Over the last few years, the size of SETAC Europe annual meetings has been increasing, and this meeting is the first that we recall, where we reached the maximum capacity of a convention centre. This is a new experience we all will share and from which we all will learn.

With the European Green Deal, the topic subsumed under the umbrella of SETAC Europe annual meetings, more and more interest is generated, not only in a professional but also in a social context. The theme of the SETAC Europe 33rd Annual Meeting, "Data-driven environmental decision-making," puts a specific emphasis on the use of large data sets to support decision-making. The outcome of our discussions in the course of this meeting will hopefully also fuel the discussions, amongst others, within the group that represents SETAC Europe at the High Level Round Table for the implementation of the Chemicals Strategy for Sustainability of the European Commission.

We proudly present a broad and balanced programme, covering all the disciplines in which SETAC scientists are involved and more. The organisation of a meeting with 110 parallel sessions, 12 topical discussion sessions, 554 platform presentations, 1747 posters, 78 virtual presentations and numerous parallel programmes is a tour de force and impossible without the dedicated help from numerous volunteers and staff.

First and foremost, we are extremely grateful to Iseult Lynch (University of Birmingham), Susanna Loureiro (University of Aveiro) and the Programme Committee for stepping in (for most of them) a second time. Also, a special thank you to the SETAC staff located in Europe and North America, who worked far beyond the regular to make this happen. The SETAC staff is again well supported by dozens of students, who give us their best during this week to make everything go smoothly. Many thanks to the 330 session co-chairs who composed the session programmes, SETAC Europe Partners and Global Partners, meeting sponsors and exhibitors. And finally, a big thank you to the 2379 presenters that make this meeting what it is. All of you who are filling the programme with life are essential to making this meeting a place where academia, government and business come together to contribute to SETAC's mission and "Environmental Quality Through Science®".

We wish you a wonderful week!

Mirco Bunschuh
SETAC Europe President

Bart Bosveld
SETAC Europe Executive Director

Meeting Sponsors

Thank you to our meeting supporters for their generous contributions!

Programme Committee and Staff

Programme Committee

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Gerd Maack, *UBA, Germany*
Irene O'Callaghan, *University College Cork, Ireland*
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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 Europe Partner, please visit us at the registration desk during the meeting, or contact Barbara Koelman at barbara.koelman@setac.org.

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 Confex virtual platform. If you are a presenter, you will receive an email with a link to download your presentation certificate shortly after the meeting.

Cloakroom

The cloakroom is located in the registration area. For a small fee by bank card (no cash), participants can store their personal items. SETAC is not responsible for any loss.

Opening hours (IST):	
Sunday	08:00 – 21:00
Monday – Wednesday	07:30 – 19:15
Thursday	07:30 – 15:00

Emergencies and First Aid

If you need medical attention, visit the registration desk or ask any of the security agents.
For emergencies, call 112.

Lost and Found

Please visit the registration desk for lost and found items.

Registration Desk

Our staff and volunteers are happy to help if you have any queries.

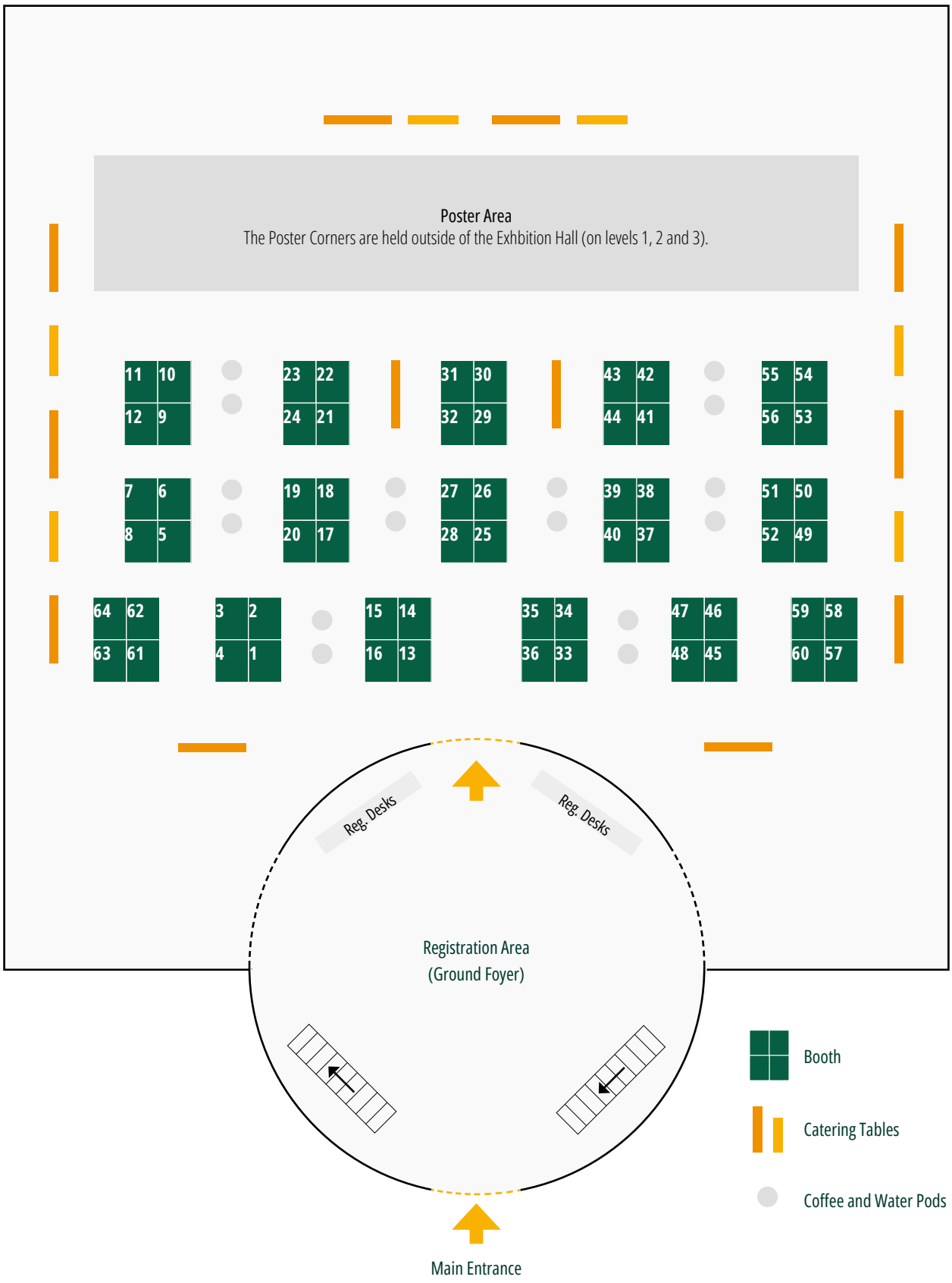
Opening hours (IST):	
Sunday	08:00 – 20:00
Monday – Wednesday	08:00 – 18:30
Thursday	08:00 – 15:00

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 registration desk. Please note, advance notice is necessary to arrange for some accessibility needs.

Exhibition Floor Plan

The Exhibition Hall is at the Forum on the ground floor.



Exhibitors List

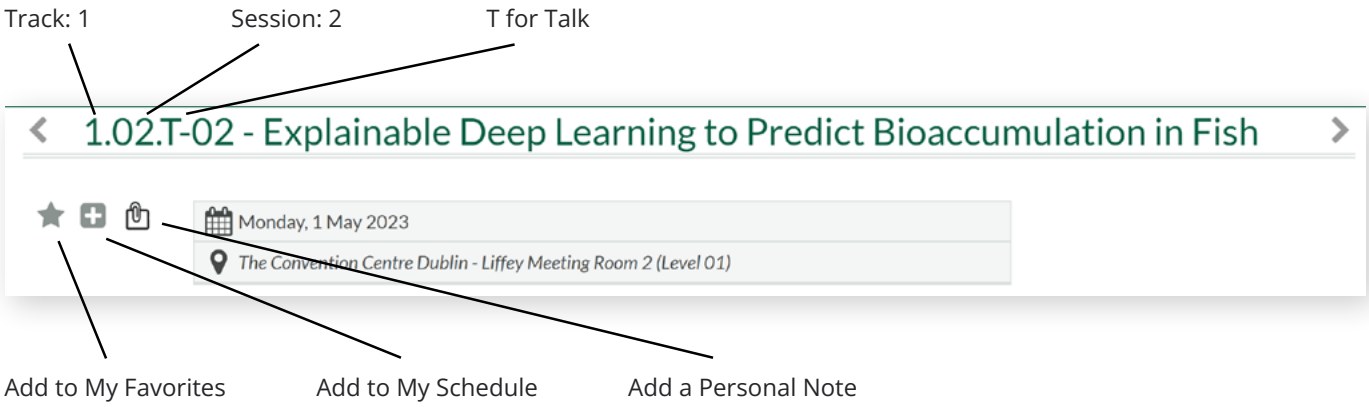
BOOTH	EXHIBITOR
15+16	Agilent
28	AgroChemex
27	AnaPath Services GmbH
22	AquaBioTech Group
46	Arcadis
32	ARCHE Consulting
10+11	Bayer
7	Bias Labs
56	BioChem agrar GmbH
36	Blue Frog Scientific
25	Cambridge Environmental Assessments
63	Cambridge Isotope Labs
39	CEM Analytical Services Ltd (CEMAS)
37	Charles River
54	Chiron
9	Concawe
61	EcoToxChip Project
50	EMBRC-France
41	ERM
42+43	Eurofins (double booth)
45	Experimental Pathology Laboratories, Inc.
26	Exponent
30	Fera
4	GG BioTech Design GmbH
21	Hygiene-Institut des Ruhrgebiets
13	Ibacon/Vali
17+18	IES
19	KREATiS
51	LabAnalysis

BOOTH	EXHIBITOR
55	Laboratoire Watchfrog
31	Loligo Systems
62	Łukasiewicz- Institute of Industrial Organic Chemistry Branch Pszczyna
44	Microbiotests
64	ECT 2
24	nEcoTox GmbH
57	new_diagnostics
5	Noack Laboratorien GmbH
2	Norwegian Institute for Water Research (NIVA)
40	PerkinElmer
6	Primacyt GmbH
8	Resistomap
59	Ricardo
29	Rifcon
58	Royal Society of Chemistry
12	Sciex
33	Scymaris
34+35	Shimadzu
20	Smithers
47	Staphyt
14	SynTech Research Group
23	TekenBio
53	TOFWERK AG
52	ToxRat Solutions
1	TSG Consulting
48	Viewpoint
38	Vitis Regulatory
49	Waters
60	wca
3	ZeClinics

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), poster corners (PC) and on-demand/virtual only presentations (V).



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 and Transdisciplinary Topics
8. Special Sessions

Scientific Programme Updates

The programme book reflects the status of the programme as was on 12 April, which was the hard-copy print deadline. For the most up-to-date information, please visit the virtual platform. For example, some platform and poster presentations are now virtual only, and some platform sessions have been restructured.

Abstract Book

Download your copy at europe2023.setac.org

Virtual Platform

Visit the vitual platform to access the livestream or recordings.

Information for On-site Platform Presenters

Each on-site 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 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 Slide Upload and Review

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

Information for On-site Poster Presenters

Poster Display

Posters are displayed in the Exhibition Hall from 8:45–18:45. Each Poster has been assigned a specific code. The two letters represent the day your poster will be displayed, the number is the number of the poster board, e.g. Mo123 = Monday, board 123.

Poster Setup and Take Down

Presenters are responsible for setup and take down. Posters for the respective day can be put up from 8:00 to 8:45. They should be removed by 19:00 on Monday, Tuesday and Wedesday and 15:00 on Thursday at the very latest or they will be discarded.

Poster Viewing and Attendance

There are four 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 located in the foyers on levels 1, 2 and 3 and scheduled from 18:00 – 18:45. During the session, a group discussion will be organised with an introduction by the session chair in front of the posters. After this introduction, the posters will be discussed among the authors and the audience.

Poster Spotlight Presentations

The Poster Spotlights will take place during a platform session and consist of a 4-minutes platform presentation, highlighting the major findings of the work.

If you have a Poster Spotlight Presentation (maximum 3 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 due to time constraints. Please check the online programme instead.

POSTER VIEWING AND ATTENDANCE		
	Monday–Wednesday	**Thursday**
Setup	08:00–08:45	08:00–08:45
Morning Coffee Break & Poster Viewing	10:05–10:45	10:05–10:45
Lunch Break & Poster Viewing	12:05–13:35	12:05–14:00
Afternoon Coffee Break & Poster Viewing	14:55–15:35	
Poster Social & Poster Viewing	17:45–18:45	
Take Down	18:45–19:00	14:30–15:00

SPEAKER-READY ROOM (LIFFEY BOARDROOM 3)	
Sunday	14:00–20:00
Monday - Wednesday	08:00–17:00
Thursday	08:00–11:00

Sunday 30 April

SUNDAY SCHEDULE		
08:00–20:00	Badge Pick-up and Registration	
08:00–21:00	Cloakroom	
08:30–17:30	Training Courses	
09:00–15:00	SETAC Europe Council Meeting	Wicklow Meeting Room 5 (Level 02)
09:00–15:00	Seminar: Exposure Modelling Principles and Best Practices for Environmental Decision-making	Liffey Hall 1 (Level 01)
09:00–17:30	Seminar: Capacity-Building Seminar on Regulatory Assessment of Endocrine Disrupting Properties of Pesticides (Upon Invitation Only)	Wicklow Meeting Room 1 (Level 02)
14:00–15:30	Kayak on the Liffey River	
14:00–20:00	Speaker Ready Room Open	Liffey Boardroom 3 (Level 01)
17:00–17:30	Meeting Guide Gathering	Foyer Level 5
17:30–19:00	**Opening & Awards Ceremony Featuring Sunday Plenary Pamela Byrne**	**The Auditorium**
19:00–20:30	**Welcome Reception**	**The Exhibition Hall (The Forum)**

The event will also be live streamed on the virtual platform.

Training Courses

FULL-DAY COURSES | 8:30–17:30		
TC07	Application of Bioinformatics for Species Extrapolation	Wicklow Meeting Room 3 (Level 02)
TC08	Bee Brave – A Practical Introduction on How to Use Ecotox Models for Bees in Risk Assessment: BeeGUTS and BEEHAVEecotox	Wicklow Meeting Room 4 (Level 02)
TC09	Interpreting Risk From Co-exposure: Terminology, Models, Tiered Schemes in Mixture Risk Assessment and Regulatory Developments	Liffey Meeting Room 1 (Level 01)
TC10	Statistical Methods in Ecotoxicology Using R	EcoCem Room (Level 02)
TC11	The Power of Environmental Nucleic Acids (eNA) Surveys in Environmental Monitoring and Environmental Impact Assessments	Liffey Meeting Room 3 (Level 01)
TC12	GUTS Modelling: From the Theory to the Practice	Liffey Meeting Room 4 (Level 01)

MORNING HALF-DAY COURSES | 8:30–12:30		
TC03	Introduction to in Silico Modeling Approaches for Regulatory Ecotoxicological Hazard Assessment	Wicklow Meeting Room 2 (Level 02)

AFTERNOON HALF-DAY COURSES | 13:30–17:30		
TC04	DeEP: A User-Friendly DEB-TKTD Modelling Software for European Tier 2C Environmental Risk Assessment	Liffey Meeting Room 5 (Level 01)
TC06	Selecting and Evaluating Chemical Property Data in Environmental Toxicology and Chemistry	Wicklow Meeting Room 2 (Level 02)
TC09B	Interpreting Risk From Co-exposure: Terminology, Models, Tiered Schemes in Mixture Risk Assessment and Regulatory Developments (Part B: afternoon only)	Liffey Meeting Room 1 (Level 01)

Mentoring Program

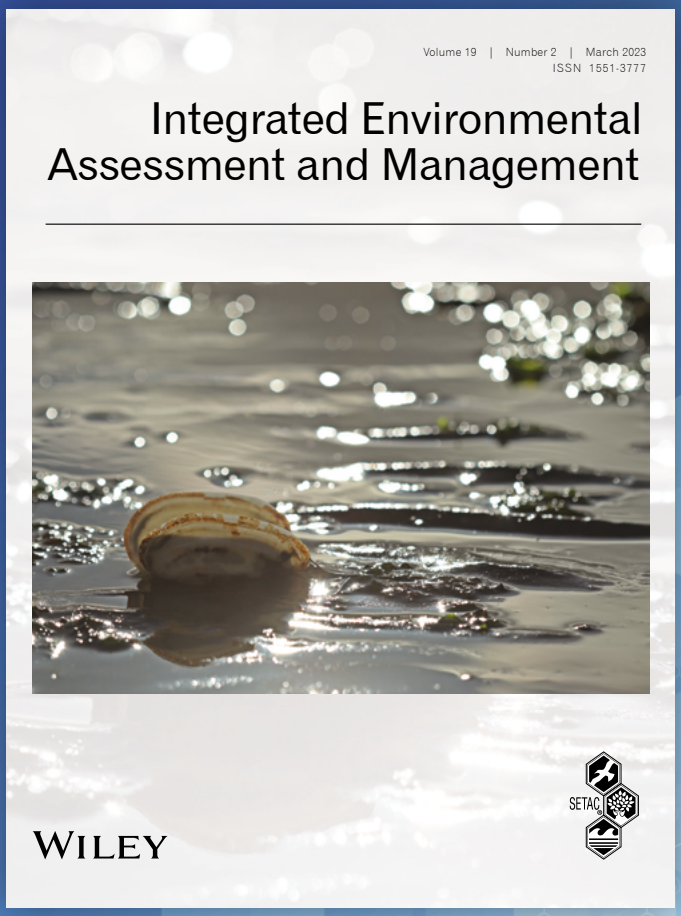
Propel your career and join the SETAC mentoring program!

Get Involved in Three Easy Steps:

1. Identify yourself as a mentor on your SETAC profile, or search the membership directory to find a mentor
2. Report to SETAC when you've found a match
3. Follow the framework outlined in the handbook

setac.org/mentoring

Publish with **SETAC Journals**



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on open access fees!

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Plenary Speaker

16:45–17:45 | The Auditorium (Levels 3, 4, 5)

From Policy to Regulatory Decisions – Why Data Matters? – A Regulators Perspective

Pamela Byrne, Food Safety Authority of Ireland

Pamela Byrne holds a PhD in Environmental Toxicology from University College, Cork (UCC); an MSc in Aquatic Resource Management from Kings College, University of London; a BSc in Zoology from UCC and a Higher Diploma in Environmental Law from the University of Aberystwyth in Wales. She is an Adjunct Professor at the Institute of Food and Health in University College, Dublin. She also holds an Executive Certificate in Public Leadership from Harvard Kennedy School of Executive Education and a certificate in Public Policy Analysis from the London School of Economics.

Byrne was appointed Chief Executive of the Food Safety Authority of Ireland in March 2015. Prior to this, she held the role of Director of Regulatory Policy and Intelligence with Abbott Nutrition. Having previously held senior positions in the Department of Agriculture, Food and the Marine, she has extensive experience of the food regulatory environment, as well as expertise in risk assessment and food safety management at both national and international levels.

During her time at the Department of Agriculture, Food and the Marine, Byrne gained a deep knowledge of the food sector as an environmental toxicologist and risk assessor and was instrumental in developing Ireland's research and innovation policy programmes in relation to food and the bioeconomy. Byrne also worked in the Cabinet of the European Commissioner for Research, Science and Innovation - Commissioner Maire Geoghegan-Quinn.

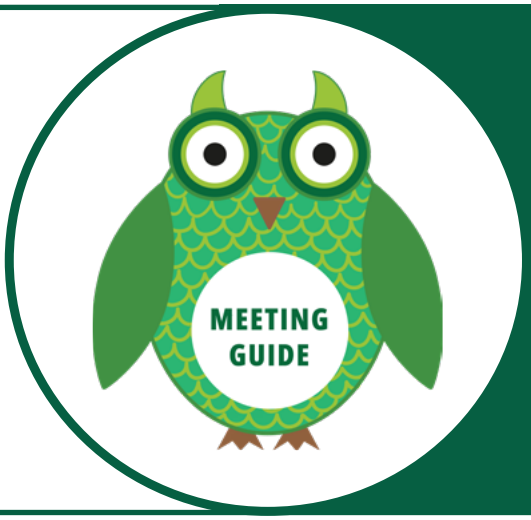
Byrne is currently the Chair of the Board of the Association of Chief Executives of State Agencies in Ireland; Board Chair of the Irish Management Institute; Vice Chair of the Management Board of the European Food Safety Authority; a member of the Board of the Institute of Public Administration; and the Chair of the Governing Committee of the Alimentary Pharmabiotic Centre (APC) in University College Cork. She is a founding member of the International Heads of Food Safety Agencies and a member of the European Heads of Food Safety Agencies. She has also been the Chair of the Strategic Advisory Board of the Institute of Food and Health at University College Dublin and the Management Board of the European Joint Research Programming Initiative "A Healthy Diet for a Healthy Life."

Meeting Guide Programme

(Pre-Registration required)

Are you looking for help to find your way around during the meeting or do you just want to chat with someone during lunchtime? The Meeting Guide Programme connects (young) scientists who are attending the meeting for the first time (mentees) with seasoned meeting attendees or experienced SETAC members (meeting guides). The match is made based on your professional interest areas and other preferences that you indicated ahead of the meeting.

We gather in a relaxed atmosphere at 17:00 on Sunday, 30 April, in the Foyer Level 5.



Monday 1 May

MONDAY SCHEDULE		
07:30–19:15	Cloakroom	
08:00–08:45	Poster Setup	Exhibition Hall (The Forum)
08:00–18:30	Badge Pick-up and Registration	Registration Area (Ground Floor Foyer)
08:00–17:00	Speaker Ready Room Open	Liffey Boardroom 3 (Level 01)
08:00–17:00	Scymaris – Individual Customer Meetings	Liffey Board Room 4 (Level 01)
08:45–10:05	**Presentation Sessions**	
10:05–10:45	Coffee & Poster Break	Exhibition Hall (The Forum)
10:45–12:05	**Presentation Sessions**	
12:05–13:35	Lunch & Poster Break	Exhibition Hall (The Forum)
12:05–13:35	**Student Lunch: Career Perspectives (entry is on a first-come, first-served basis)**	**Level 3 West Wing (Level 03)**
12:05–13:05	Walking and Running Tour	
12:05–13:05	Seminar: Open Access for Authors (Free and Lunch Provided)	Wicklow Meeting Room 1 (Level 02)
12:05–13:35	Labcorp Sponsored Lunch Seminar - Future requirements for Regulatory testing of mixtures and UVCBs	Wicklow Meeting Room 2 (Level 02)
12:30–13:30	Integrating Knowledge for Regulatory Reporting - Environmental Trend Indicators on Chemicals Exposure and Impacts on Wildlife (Lunch Provided)	Liffey Meeting Room 1 (Level 01)
12:30–13:30	SETAC Italian Language Branch Meeting	Wicklow Meeting Room 3 (Level 02)
13:35–14:55	**Presentation Sessions**	
14:55–15:35	Coffee & Poster Break	Exhibition Hall (The Forum)
15:35–16:35	**Topical Discussions**	
15:45–17:45	Pharmaceuticals Interest Group Business Meeting	EcoCem Room (Level 02)
16:00–17:00	SCIRIC Interest Group Meeting	Liffey Meeting Room 1 (Level 01)
16:00–18:00	PAT Release Party (the New Persistence Assessment Tool)	Wicklow Meeting Room 1 (Level 02)
16:35–16:45	Break	Exhibition Hall (The Forum)
16:45–17:45	**Daily Plenary: Peter Fantke**	**The Liffey B (Level 01)**
17:00–18:00	Bioaccumulation Science Interest Group Meeting	Wicklow Meeting Room 3 (Level 02)
17:30–19:00	PAPILLONS - SETAC meeting	Wicklow Meeting Room 4 (Level 02)
17:45–18:45	**Poster Social & Poster Corners**	**Exhibition Hall + Foyer Levels 1,2 and 3**

The event will also be live streamed on the virtual platform.

Topical Discussions

MONDAY TOPICAL DISCUSSION SESSIONS | 15:35–16:35	
On the way towards an effective soil protection in Europe – challenges and opportunities of the upcoming European Soil Health Law | Pia Kotschik, Claudia Lima, Silvia Pieper, Susana Lureiro	Liffey Hall 1 (Level 01)
Scientific challenges and research needs for the implementation of the EU Chemicals Strategy for Sustainability: Contributions and engagement by SETAC membership| Annegaaike Leopold, SE Sounding Board	Liffey Hall 2 (Level 01)
Understanding Microplastic Fate and (Eco) Toxicity Through Interdisciplinary Collaboration| Susanne Brander, Amila Abeynayaka, Roland Hischier, Valentina H. Pauna	Wicklow Hall 1 (Level 02)
What data can drive Nature Positive carbon drawdown and biodiversity gain?| Delwyn Jones, Mathilde Vlieg, Rochelle Bright	Wicklow Hall 2B (Level 02)

Plenary Speaker

16:45–17:45 | The Liffey B (Level 01)

'From better to good enough' – An absolute environmental sustainability perspective on chemicals in product life cycles

Peter Fantke, Technical University of Denmark

Peter Fantke is professor and head of the Section for Quantitative Sustainability Assessment at the Technical University of Denmark.

His research focuses on developing quantitative methods for evaluating exposure and toxicity impacts from chemicals on humans and the environment to address some of society's grand challenges, including environmental pollution, global human disease burden and ecosystem degradation, all related to harmful chemicals and air pollutants released throughout product life cycles. He contributed to several national and international projects focusing on life cycle impact assessment, chemical substitution, high-throughput risk screening, and external cost analysis.

Peter Fantke is director of USEtox, the UNEP-SETAC scientific consensus model for characterising toxicity impacts of chemicals. He contributes to training at MSc and PhD levels, organises international training workshops, and coordinates global task forces under UNEP on emission and impact modelling.

Monday 1 May

★ Special Session

10:45–12:05 | Wicklow Hall 2A (Level 02)

8.01 - Establishment of a Science-Policy Panel to Contribute Further to the Sound Management of Chemicals and Waste and Prevent Pollution

Michelle Bloor, Sabine Elisabeth Apitz and Carla Caldeira

We are experiencing three planetary crises; climate change and biodiversity loss are well known and have their own science-policy panels to publicize, inform, develop and advance solutions. The third crisis is a little less in the public eye, although squarely in SETAC's remit. This third crisis is pollution. However, climate change, biodiversity loss and pollution are not independent, they are interconnected, affecting one another in ways that must be addressed. While IPCC was established to provide policymakers with regular scientific assessments on climate change, its implications and potential future risks, as well as to put forward adaption and mitigation options, and IPBES was established to support biodiversity and ecosystem services, there is currently no mechanism to support chemical pollution. In March 2022, UNEA Resolution 5/8 declared that a science-policy panel should be established to contribute further to the sound management of chemicals and waste and prevent pollution, and to convene, subject to the availability of resources, an ad-hoc Open Ended Working Group (OEWG) that will begin work in 2022, with the ambition of completion by the end of 2024.

SETAC is an accredited major groups stakeholder of UNEP (Scientific and Technical Community) and is participating in activities connected to the ad-hoc OEWG science policy panel for the continued sound management of chemicals, waste and pollution prevention. SETAC has also established an Advisory Panel on Chemicals Management (CheM) to lead on these activities for the society. A recent article in the Globe explains SETAC's engagement and the story so far https://globe.setac.org/unep-ad-hoc-open-ended-working-group-science-policy-panel-to-contribute-to-the-management-of-chemicals-waste-and-pollution-prevention/. The ad-hoc OEWG process started on the 6th October 2022 and will end by Q3 2024. Within this timeframe, there will be three meetings (1.1 October 2022 and 1.2 January 2023, 2.0 October 2023 and 3.0 early Q3 2024).

Engaging in the ad-hoc OEWG process and ensuring the most robust science is utilized is a strategic priority of SETAC, towards which the entire membership can contribute. The proposed Special Session will be the first opportunity for engagement with the SETAC membership on this important topic, and the discussion undertaken during the Special Session is key to navigating through this process. In addition to the European Special Session, events will also be held in Africa, Asia Pacific, Latin America and North America in 2023. During the European Special Session, UNEP's processes for developing the science-policy panel will be explained, as well as how SETAC members can contribute their scientific expertise to the process through SETAC's participation. The ad-hoc OEWG's first tasks are to determine the key definitions, remit and scope of the science-policy panel. During the Special Session, the decisions already made by the ad-hoc OEWG will be explored, and the priority topics of concern, as identified by SETAC members, their implications, and potential future risks will be discussed, as well as adaption and mitigation recommendations. All the information generated through the Special Session will be collated and shared with UNEP and all other actors in the process.

Prior to the Special Session, a survey of SETAC members will be undertaken, which will be used to inform the discussion that will take place during the Special Session. The survey will be the foundation of a preliminary consultation of the SETAC membership on priority themes, which will enable SETAC to provide structured input and feedback to the process. Following the survey, the survey responses will be analyzed, and the results will be used to frame the Special Session, which will involve presenting the results, and undertaking a deeper exploration of the questions and results through discussion with an invited panel and audience.

★ Special Session

Part A: 08:45–10:05 | Liffey Meeting Room 2 (Level 01) Part B: 10:45–12:05 | Liffey Meeting Room 2 (Level 01)

8.02 - Generating Experimental Data to Inform Effect Modelling: Challenges, Opportunities and Lessons Learned

Roman Ashauer and Sandrine Charles

The increasing use of effect models such as toxicokinetic-toxicodynamic, population or ecosystem models leads to a change in the way we consider experimental data. The aim of experimental design changes from supporting dose-response modelling or statistical significance testing to generating data for model calibration and validation. The increased use of methods for uncertainty characterization and propagation of uncertainty puts variability and uncertainty of the experimental data in the spotlight. This concerns measurement uncertainty as well as variability in the response of individual organisms in bioassays. Replicability of results when experiments are repeated becomes important for model testing and validation. Model validation can fail, not necessarily because the model isn´t fit for purpose but instead because variability within and in between experiments is too large. When modelling realistic field scenarios and landscapes capturing natural variability is difficult and generating suitable data for model testing becomes a challenge. This special session aims to explore these issues from an experimental as well as a modelling perspective and facilitate a joint discussion between experimentalists and modellers.

Monday Platform Presentations Morning 1

	08:50	09:05	09:20
Liffey A	**Ecosystems Responses Under a Multiple Stressors Scenario in a Rapidly Changing Climate (Part I: effects, adaptations, in vitro, population-level)** | ...		
	2.06.T-01 Effects of climate change and emerging contaminants on caddisflies: insights from a multiple stress experiment | **Ana Previsic**, University of Zagreb, Croatia	**2.06.T-02** Using a 30 year macroinvertebrate and chemical record to discover what drives biodiversity in English rivers | **Andrew C Johnson**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**2.06.T-03** Pesticide adaptation increases synergism between multiple stressors in Gammarus pulex | **Naeem Shahid**, Helmholtz Centre for Environmental Research – UFZ, Germany
Liffey B	**Micro (Nano)Plastics: Occurrence, Fate, Uptake, and Mechanistic Approaches to Understand Their Risk for the Environment and Human Health**| ...		
	1.09.A.T-01 Eco-Corona Formation on Plastics: Impacts of Polymer Chemistry, Dissolved Organic Matter Composition and Photochemical Weathering | **Roman Schefer**, ETH Zürich, Switzerland	**1.09.A.T-02** Influence of Microplastics Composition and Algae Aggregates on Particle Settling Rates in Freshwater | **Francesco Parrella**, ETH Zürich, Switzerland	**1.09.A.T-03** HDPE and PET Microplastics as Vectors of Microbial Pathogens | **Alberto Katsumiti**, GAIKER Technology Centre, Spain
Liffey Hall 1	**Circularity, Recycling and Multi-Functional Systems**| Tomas Ekvall, Peter Hodgson, Jon McKechnie, Cecile Bessou		
	5.01.T-01 Environmental assessment of producing rigid polyurethane foams using unrefined crude glycerol - different strategies | **Paula Quinteiro**, University of Aveiro, Portugal	**5.01.T-02** Key challenges of bio-fertilisers modelling (LCA and non-LCA indicators): a roadmap to a consensual PEF-compliant methodology in the Circular Economy transition of agricultural systems | **Jorge Senan-Salinas**, BETA Technological Center, Spain	**5.01.T-03** Comparative Environmental Life Cycle Assessment of Agrivoltaic Systems in Austria Using a System Expansion Approach | **Theresa Krexner**, University of Natural Resources and Life Sciences, Austria
Liffey Hall 2	**Antimicrobials in the Environment – A Threat to Environmental and Human Health?**| Laura Carter, J Brett Sallach, Aimee Kaye Murray		
	4.02.T-01 Dawning of a New ERA: Environmental Risk Assessment of Selection for Antimicrobial Resistance | **Aimee Murray**, University of Exeter, United Kingdom	**4.02.T-02** First steps towards an environmental surveillance for Antimicrobial Resistance (AMR) | **Wiebke Schmidt**, Environment Agency, United Kingdom	**4.02.T-03** Terrestrial risk of antibiotic resistance in slurry or manure amended soils | **Felicity Elder**, University of Leeds, United Kingdom
Liffey Meeting Room 2	★**Generating Experimental Data to Inform Effect Modelling: Challenges, Opportunities and Lessons Learned**| Roman Ashauer, Sandrine Charles		
	08:50	**09:03**	**09:16**
	8.02.A.T-01 Variability in experimental data: mortality and sublethal endpoints | **Anja Coors**, ECT Oekotoxikologie GmbH, Germany	**8.02.A.T-02** Perceptions of Goodness of GUTS Fits – Virtual Ringtest | **Andre Gergs**, Bayer AG, Germany	**8.02.A.T-03** Ring-testing experiments vs ring-testing models: results from CLE algae project | **Cecilie Rendal**, Syngenta, United Kingdom
EcoCem Room	**Environmental Risk Assessment of Organic and Inorganic UV filters**| Carys Louise Mitchelmore, Amelie Ott, Iain Davies		
	4.07.T-01 Review of Fate, Exposure, and Effects of U.S. Sunscreens in Aquatic Environments and Implications for Sunscreen Usage and Human Health | **Charlie Menzie**, Exponent Inc., USA	**4.07.T-02** Spatial and temporal investigation of concentrations of organic UV filters in seawater from The Florida Keys, USA. | **Carys Mitchelmore**, University of Maryland Center for Environmental Science, USA	**4.07.T-03** Model Simulations of UV Filter Exposure to Marine and Freshwater Organisms | **Brenna Kent**, Waterborne Environmental, Inc., USA
Wicklow Hall 1	**Application of Biomonitoring Approaches to Support Surveillance of Chemical Exposure in the Environment**| Thomas Miller, Leon Barron, Nicolas Bury, Stewart Owen		
	3.04.A.T-01 Complementing Active Biomonitoring With Proteomics in an Aquatic Invertebrate Sentinel Species, Gammarus Fossarum | **Davide Degli Esposti**, Laboratoire d'écotoxicologie INRAE, France	**3.04.A.T-02** Temporal Suspect Screening of the Aquatic Invertebrate G. pulex | **Lucy Birkitt**, Imperial College London, United Kingdom	**3.04.A.T-03** First Evidence of Widespread Anticoagulant Rodenticide Exposure of the Eurasian Otter (Lutra lutra) in Germany | **Julia Regnery**, Federal Institute of Hydrology, Germany
Wicklow Hall 2A	**Better Safe than Sorry: Safe, Sustainable and Circular Chemicals, Materials and Products along their Lifecycle**| ...		
	7.02.T-01 The Role of Life Cycle Assessment in the Safe and Sustainable by Design: Lessons Learnt From a Case Study | **Carla Caldeira**, European Commission - Joint Research Centre, Italy	**7.02.T-02** Safe and More Sustainable Alternatives in the Innovation Funnel; A Case Study on Biobased Materials in Cosmetics | **Nina Melander**, RISE, Sweden	**7.02.T-03** Chemicals in Textiles: Can We Ensure a Safe Circular Economy in the Textile Sector? | **Agathe Bour**, Roskilde University, Denmark
Wicklow Hall 2B	**Fate of Organic Contaminants in the Soil-Plant Continuum – Coupled Processes and Appraisal of Potential Impacts and Risks**| ...		
	3.11.T-01 Investigation of Uptake and Translocation of Plant Protection Agents by Crops via HPLC-HR-MS and MALDI-MSI | **Daniel Skoczowsky**, TU Dortmund University, Germany	**3.11.T-02** Contaminants of Emerging Concern in the Reclaimed Wastewater- Soil- Plant Continuum | **Evyatar Ben Mordechay**, The Hebrew University of Jerusalem, Israel	**3.11.T-03** Effect of irrigation alternation on the accumulation of contaminants of emerging concern in common vegetables | **Qingyang Shi**, University of California, Riverside, USA
Level 3 East Wing	**Coastal Ecosystems are Critical Areas for the Assessment of Pollutant Exposure**| Nelson J O'Driscoll, Rute Cesário, Mark Mallory, Joao Canario		
	3.07.A.T-01 Plastic Pollution Ingestion by Coastal-nesting Seabirds in the Canadian Arctic | **Julia Baak**, McGill University, Canada	**3.07.A.T-02** The role of plastics in the bioaccessibility of trace elements in New Zealand near-shore coastal zones | **Olga Pantos**, ESR, New Zealand	**3.07.A.T-03** Searching for evidences of seasonal variation and plant effects in the production of methylmercury in salt-marsh sediments using mercury stable isotope techniques | **Rute Cesário**, IST, Portugal

Monday Platform Presentations Morning 1

	09:35	09:50
Liffey A	| Joan Artigas, Julie Verheyen, Ana Marta Goncalves, Kevin Brix	
	2.06.T-04 Springtail Mortality in Response to Sequential Exposure to Chemical and Climate Change-Related Stressors. | **Heidi Konestabo**, University of Oslo, Norway	**2.06.T-05** Synergic effect of nitrate exposure and heatwaves on the growth and metabolic activity of microalgae | **Sabiha Akter**, University of Antwerp, Belgium
Liffey B	| Carlos Edo, Francisca Fernandez-Pinas, Miguel Oliveira, Craig Warren Davis	
	1.09.A.T-04 Nylon 6,6 Microplastic Fibers Inhibit Differentiation of Human and Murine Airway Epithelium via Homeobox a5 Signalling | **Barbro Melgert**, University of Groningen, Netherlands	**Poster spotlight** 1.09.P-Mo043, 1.09.P-Mo044, 1.09.P-Mo076
Liffey Hall 1	**Circularity, Recycling and Multi-Functional Systems**| Tomas Ekvall, Peter Hodgson, Jon McKechnie, Cecile Bessou	
	5.01.T-04 Exploring Life Cycle Assessment methodologies for multi-functionality in the steel sector with a CCU example | **Marta Cruz Fernandez**, Tata Steel UK, United Kingdom	**Poster spotlight** 5.01.P-Mo342, 5.01.P-Mo351, 5.01.P-Mo353
Liffey Hall 2	**Antimicrobials in the Environment – A Threat to Environmental and Human Health?**| Laura Carter, J Brett Sallach, Aimee Kaye Murray	
	4.02.T-04 Presence and Dissemination of Antibiotic Resistance in Agricultural Soil Supplemented with Sewage Sludge | **Marta Jaskulak**, Czestochowa University of Technology, France	**4.02.T-05** Assessing the chemical complexity of discharge into the environment from antimicrobial manufacturing hubs in India | **Kaniz Chowdhury**, University of Leeds, United Kingdom
Liffey Meeting Room 2	★**Generating Experimental Data to Inform Effect Modelling: Challenges, Opportunities and Lessons Learned**| Roman Ashauer, Sandrine Charles	
	09:29	**09:42** / **09:55**
	8.02.A.T-04 Developing experimental "standards" when effect modelling is the aim | **Anna Huang**, Wageningen University & Research, Netherlands	**8.02.A.T-05** Including Experimental Conditions in Parameter Uncertainty Estimation | **Florian Schunck**, UFZ, Germany / Cross-cutting Q&A part I
EcoCem Room	**Environmental Risk Assessment of Organic and Inorganic UV filters**| Carys Louise Mitchelmore, Amelie Ott, Iain Davies	
	4.07.T-04 Developing relevant and reliable toxicity assays in the scleractinian coral Acropora cervicornis | **Dorothy-Ellen Renegar**, Nova Southeastern University, USA	**Poster spotlight** 4.07.P-Mo322, 4.07.P-Mo323, 4.07.P-Mo324
Wicklow Hall 1	**Application of Biomonitoring Approaches to Support Surveillance of Chemical Exposure in the Environment**| Thomas Miller, Leon Barron, Nicolas Bury, Stewart Owen	
	3.04.A.T-04 Using the Northern Gannet (Morus bassanus) to Monitor Environmental Changes of PFAS Prior and After Restrictions | **M. Gloria Pereira**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**3.04.A.T-05** Legacy and Emerging PFAS in Cetacean and Seal Species Stranded Around the UK: Using UPLC-HRMS to Characterise Chemical Burdens Between Species | **Imogen Bailes**, Lancaster University, United Kingdom
Wicklow Hall 2A	| Caroline Moermond, Elena Semenzin, Joel Tickner, Irene Bramke	
	7.02.T-04 Application of Life Cycle Assessment (LCA) Methodology to Drive Environmental Sustainability Improvements in the Manufacture and Delivery of Pharmaceuticals | **Andy Whiting**, Astrazeneca UK Ltd, United Kingdom	**7.02.T-05** Assessing the growth of the field of Alternatives Assessment over the last 10 years | **Joel Tickner**, University of Massachusetts, Lowell, USA
Wicklow Hall 2B	| Alexander Dorn, Arno Rein, Konstantin Kuppe, Michael Hess	
	3.11.T-04 A novel modelling approach to prioritise pharmaceuticals with an accumulative potential within crops - a wastewater irrigation scenario | **John Nightingale**, University of Leeds and Fera Science Ltd, United Kingdom	**3.11.T-05** A novel mechanistic model to describe the fate of chemicals in the soil-plant continuum | **Radka Kodesova**, Czech University of Life Sciences Prague, Czech Republic
Level 3 East Wing	**Coastal Ecosystems are Critical Areas for the Assessment of Pollutant Exposure**| Nelson J O'Driscoll, Rute Cesário, Mark Mallory, Joao Canario	
	3.07.A.T-04 Effects of Individual and Binary Mixtures of Aquaculture Pesticides on Non-target Marine Invertebrates. | **Davide Asnicar**, Huntsman Marine Science Centre, Canada	**3.07.A.T-05** Presence of Microplastics in the Delaware River Estuary in Northeast USA | **Rominder Suri**, Temple University, USA

COFFEE & POSTER BREAK

Monday Platform Presentations Morning 2

	10:50	11:05	11:20
Liffey A	**Ecosystems Responses Under a Multiple Stressors Scenario in a Rapidly Changing Climate (Part II: microcosms, mesocosms, factorial design, community-level)**| ...		
	2.07.T-01 Leaf Species-Dependent Fungicide Effects on the Structure and Function of Leaf-Associated Microbial Communities | **Sara Goncalves**, iES Landau, Germany	**2.07.T-02** Chemical stress increases methane production in freshwater sediments: role of temperature feedbacks, adaptation, and resistance | **Eric Bollinger**, University of Koblenz-Landau, Germany	**2.07.T-03** Seasonal fluctuation of metabolomic and photosynthetic yield response of in situ freshwater biofilms exposed to a model herbicide | **Arthur Medina**, National Research Institute for Agriculture, Food and Environment (INRAE), France
Liffey B	**Micro (Nano)Plastics: Occurrence, Fate, Uptake, and Mechanistic Approaches to Understand Their Risk for the Environment and Human Health**| ...		
	1.09.B.T-01 The Biofilm Attached Onto Microplastics Is a Critical Factor Modulating Their Role as Vectors for Co-occurring Pollutants | **Irene Verdu Fillola**, Universidad Autónoma de Madrid (UAM), Spain	**1.09.B.T-02** Screening and prioritization of nano- and microplastic particle toxicity studies for evaluating human health risks – development and application of a toxicity study assessment tool | **Todd Gouin**, TG Environmental Research, United Kingdom	**1.09.B.T-03** Risk assessment of microplastics in soil ecosystems using quality criteria screening and data alignment methods | **Paula Redondo**, Fundación IMDEA Agua, Spain
Liffey Hall 1	**Guidance for LCA of Recycling Abiotic and Biobased Materials and for the Transition to a Resilient Low Carbon, Resource-Efficient and Circular Economy**| ...		
	5.02.T-01 A Guideline for life cycle assessment of carbon capture and utilization as negative emissions technologies | **Sibylle Duval--Dachary**, IFP Energies Nouvelles, France,	**5.02.T-02** Future greenhouse gas emissions from metal production and their relationship with climate goals | **Ryosuke Yokoi**, National Institute of Advanced Industrial Science and Technology (AIST), Japan	**5.02.T-03** Life Cycle Assessment of Biogenic Carbon Capture and Storage Processes: Review of Life Cycle Inventories and Recommendations | **Arnaud Helias**, National Research Institute for Agriculture, Food and Environment (INRAE), France
Liffey Hall 2	**POPs and Emerging Pollutants: Env. Fate, Research and Monitoring at the Interfaces of Science and Policy & Application of Green Removal Technologies**| ...		
	3.22.A.T-01 What Do We Know about the Production and Release of Persistent Organic Pollutants in the Global Environment? | **Li Li**, University of Nevada, Reno, USA	**3.22.A.T-02** Persistent Problem: The Global Challenges to Managing PCBs | **Lisa Melymuk**, Masaryk University, Czech Republic	**3.22.A.T-03** Contamination of Mine Water Effluents by Polychlorinated Biphenyls (PCBs) | **Katrin Wiltschka**, Justus Liebig University Giessen, Germany
Liffey Meeting Room 2	★**Generating Experimental Data to Inform Effect Modelling: Challenges, Opportunities and Lessons Learned**| Roman Ashauer, Sandrine Charles		
	10:50	**11:08**	**11:21**
	8.02.B.T-01 Why do we care about uncertainties when designing new experiments and how should we account for them? | **Sandrine Charles**, University Claude Bernard Lyon 1, France	**8.02.B.T-02** Integrating heterogeneous data from tissue to population level to model data-poor species | **Peter Vermeiren**, University of South-Eastern Norway, Norway	**8.02.B.T-03** Seeing variability in experimental data: perks and disadvantages from a regulatory perspective | **Alberto Linguadoca**, European Food Safety Authority (EFSA), Italy
EcoCem Room	**Exposure and Effect Assessment of Ionic and Ionizable Organic Chemicals**| Luise Henneberger, Satoshi Endo, Fabian Christoph Fischer		
	4.08.T-01 Hazard and fate assessment of permanently charged compounds | **Marta Markiewicz**, Technical University of Dresden, Germany	**4.08.T-02** Assessment of methods for determining the membrane-water partition ratio for surfactants | **Steven Droge**, Wageningen University & Research, Netherlands	**4.08.T-03** A Food Web Bioaccumulation Model for Pharmaceuticals in Aquatic Ecosystems | **Jiaqi Wang**, Radboud University, Netherlands
Wicklow Hall 1	**Application of Biomonitoring Approaches to Support Surveillance of Chemical Exposure in the Environment**| Thomas Miller, Leon Barron, Nicolas Bury, Stewart Owen		
	3.04.B.T-01 Characterization of stream communities effected by pesticides | **Alina Koch**, Swedish University of Agricultural Sciences, Sweden	**3.04.B.T-02** An integrated biological effects assessment of an offshore oil and gas installation in the North Sea | **Steven Brooks**, Norwegian Institute for Water Research (NIVA), Norway	**3.04.B.T-03** MALDI-Mass Spectrometry Imaging Applied to Environmental Problems | **Carmen Michan**, Universidad de Córdoba, Spain
Wicklow Hall 2A	★**Establishment of a Science-Policy Panel to Contribute Further to the Sound Management of Chemicals and Waste and Prevent Pollution**| ...		
	10:55	**11:00**	**11:05**
	8.01.T-01 Background and Next Steps for the Open Ended Working Group and Establishment of the Intergovernmental Science-Policy Panel | **Kevin Helps**, UNEP, Kenya	**8.01.T-02** Lessons Learnt From the IPCC and IPBES That Will Inform the Design and Operation of the New Science-Policy Panel - What Can We Expect to See Moving Forward | **Robert Watson**, UNEP, United Kingdom	**8.01.T-03** What Questions Should Be Posed to the Global Academic Community, How Does the Community Go About Answering These Questions, and Is Consensus Important? | **Hanna Andrea Rother**, University of Cape Town, South Africa
	11:10	**11:15**	
	8.01.T-04 Reflections on the Process of the Open Ended Working Group - Recommendations for Governments | **Jason Weeks**, IEH Consulting Ltd., United Kingdom	**8.01.T-05** How can the LCA Community Contribute to the Process? | **Carla Caldeira**, EC JRC, Italy	
Wicklow Hall 2B	**Soil Function and Biodiversity: Impacts and Resilience Under Stressed Environments**| ...		
	2.16.T-01 C and N mineralization in metal mine tailings technically recovered versus spontaneously colonized by vegetation as indicator to assess soil functionality | **Matias Ceacero-Moreno**, Universidad Politécnica de Cartagena, Spain	**2.16.T-02** Biocides containing façade eluates alter soil microbial community composition and activity | **Fabienne Reiß**, Coburg University of Applied Sciences, Germany	**2.16.T-03** Increased Temperature Enhances Toxicity From Contaminant Stress in a Widespread Collembola Species With Different Thermal Adaptation | **Silje Marie Kristiansen**, University of Oslo, Norway
Level 3 East Wing	**Coastal Ecosystems are Critical Areas for the Assessment of Pollutant Exposure**| Nelson J O'Driscoll, Rute Cesário, Mark Mallory, Joao Canario		
	3.07.B.T-01 Emerging trace metal contamination in representative urbanized estuarine systems | **Melina Abdou**, Center of Marine and Environmental Research CIIMAR, Portugal	**3.07.B.T-02** Seals in a changing sea: a multi-tracer approach | **Krishna Das**, University of Liège, Belgium	**3.07.B.T-03** Micro-Estuaries as Bio-Filters: Attenuation of Organic Pollutants and the Effects of Salinity and Seasonality | **Tom Topaz**, Ruppin Academic Center, Israel

Monday Platform Presentations Morning 2

	11:35	11:50
Liffey A	| Sara J. Hutton, Andreu Rico, Ana Marta Goncalves, Joan Artigas	
	2.07.T-04 Contamination on Ecosystems and Habitat Selection – The Role of Ecological Interactions on the Behavioural Responses | **Andrea Cordero**, Institute of Marine Sciences of Andalusia (CSIC), Spain	**2.07.T-05** Single and combined effects of pesticides and metabolites in microbial litter decomposition in streams | **Joan Artigas**, University of Clermont Auvergne, France
Liffey B	| Carlos Edo, Francisca Fernandez-Pinas, Miguel Oliveira, Craig Warren Davis	
	1.09.B.T-04 Short- and Long-term Toxicity of Polyhydroxybutyrate Nanoparticles to the Freshwater Cnidarian Hydra viridissima | **Miguel Oliveira**, CESAM & University of Aveiro, Portugal	**Poster spotlight** 1.09.P-Mo045, 1.09.P-Mo046, 1.09.P-Mo054
Liffey Hall 1	| Peter Saling, Guido Sonnemann	
	5.02.T-04 Operationalizing the Geopolitical Supply Risk Potential as a supply risk indicator for use in life cycle assessment | **Guido Sonnemann**, University of Bordeaux - ISM, France	**5.02.T-05** A Host-to-byproducts matrix to help assessing abiotic resources accessibility | **Titouan Greffe**, CIRAIG - École Polytechnique de Montréal, Canada
Liffey Hall 2	| Ana Barreiro, Oksana Golovko, Tom Harner, Ramon Guardans	
	3.22.A.T-04 Multimedia Assessment of Legacy and Current Use Halogenated Flame Retardants in Air, Precipitation, Herring Gull Eggs and Lake Trout in Lake Ontario | **Hayley Hung**, Environment and Climate Change Canada, Canada	**Poster spotlight** 3.22.P-Mo238, 3.22.P-Mo239, 3.22.P-Mo252
Liffey Meeting Room 2	★**Generating Experimental Data to Inform Effect Modelling: Challenges, Opportunities and Lessons Learned**| Roman Ashauer, Sandrine Charles	
	11:34	**11:40**
	Cross-cutting Q&A part II	Panel Discussion
EcoCem Room	**Exposure and Effect Assessment of Ionic and Ionizable Organic Chemicals**| Luise Henneberger, Satoshi Endo, Fabian Christoph Fischer	
	4.08.T-04 Disentangling the mechanisms driving accumulation and elimination of perfluoroalkyl acids (PFAA) using toxicokinetic modeling in knock-out mice | **Fabian Fischer**, Harvard University, USA	**4.08.T-05** Role of Bioavailability and Protein Binding of Perfluoroalkyl Substances in Cell-based Bioassays for Quantitative In Vitro to In Vivo Extrapolations | **Weiping Qin**, Helmholtz Centre for Environmental Research – UFZ, Germany
Wicklow Hall 1	**Application of Biomonitoring Approaches to Support Surveillance of Chemical Exposure in the Environment**| Thomas Miller, Leon Barron, Nicolas Bury, Stewart Owen	
	3.04.B.T-04 Plastic in the Air?! – Spider webs as spatial mirrors for microplastics and tire wear in urban air | **Barbara Scholz-Boettcher**, University of Oldenburg, Germany	**3.04.B.T-05** Identification of unmonitored aryl hydrocarbon receptor agonists in marine biological samples in South Korea using advanced effect-directed analysis | **Jihyun Cha**, Chungnam National University, Korea, Republic of (South)
Wicklow Hall 2A	| Michelle Bloor, Sabine Elisabeth Apitz, Lorraine Maltby, Stijn Baken	
	11:20	**11:25** / **11:30** / **11:35** / **12:00**
	8.01.T-06 What Role Can Scientists Working in the Business Sector Play in This Process, and Why Is This Important? | **Stewart Owen**, Astrazeneca UK Ltd, United Kingdom	**8.01.T-07** The Importance of Including Early Career Scientists in the Process, and What They Can Contribute | **Joanke van Dijk**, Utrecht University, Netherlands / **8.01.T-08** The Role That Professional Societies Can Play in the Process, and the Challenges and Benefits of This Type of Engagement | **Camilla Alexander-White**, Royal Society of Chemistry, United Kingdom / Panel Discussion / Concluding Remarks
Wicklow Hall 2B	| Susana Loureiro, Chioma Blaise Chikere, M. Nazaret Gonzalez-Alcaraz, Chidinma Peace Okafor	
	2.16.T-04 Eco-indicators Sensitivity Distribution (EcoSD): A systematic approach to redefining the Species Sensitivity Distribution (SSD) for ecosystem services approach in soil ecological risk assessment | **Hamzat Fajana**, University of Saskatchewan, Canada	**2.16.T-05** Upcycling agricultural co-products to improve soil quality and ecosystem services in sustainable agriculture | **Catarina Malheiro**, University of Aveiro, Portugal
Level 3 East Wing	**Coastal Ecosystems are Critical Areas for the Assessment of Pollutant Exposure**| Nelson J O'Driscoll, Rute Cesário, Mark Mallory, Joao Canario	
	3.07.B.T-04 Global and Regional Decrease in Metal Concentrations in Brown Algae | **Carme Pacin**, University of Santiago de Compostela, Spain	**3.07.B.T-05** Sediment Surface distribution of organic pollutants and ecological risk assessment in the south of the Southern California Bight (SCB), Mexico | **Juan Munoz-Arnanz**, Institute of Organic Chemistry - Spanish Research Council (IQOG-CSIC), Spain

LUNCH & POSTER BREAK

Monday Platform Presentations Afternoon

	13:40	13:55	14:10
Liffey A	**Ecosystems Responses Under a Multiple Stressors Scenario in a Rapidly Changing Climate (Part III: environnemental risk, modelling, ecosystem-level)**| ...		
	2.08.T-01 How a data-driven stochastic model helps to predict micropollutant discharges to surface waters | **Lena Mutzner**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**2.08.T-02** Integration of Climate Model Projections and Pesticide Application Scenarios for Probabilistic Risk Assessment with a Bayesian Network Model | **Jannicke Moe**, Norwegian Institute for Water Research (NIVA), Norway	**2.08.T-03** Chemical pollution: An overlooked elephant in the room of ecology – Publication patterns reveal a low connection between chemical pollution and biodiversity research | **Francisco Sylvester**, Goethe University Frankfurt, Germany
Liffey B	**Reducing Plastics Impacts: Integrating Risk Assessment, Life Cycle Analysis and Material Flow Analysis Towards a Circular Economy**| ...		
	5.07.T-01 Mass flow analyses and emissions of microplastic and bisphenols from waste electronical and electric equipment plastic (WEEEP) in Norway | **Mari Engvig Løseth**, Norwegian Geotechnical Institute (NGI), Norway	**5.07.T-02** Towards including microplastics in LCA: Effect factors for microplastics and tire wear particles for soil ecotoxicity | **Merve Tunali**, Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland	**5.07.T-03** Life Cycle Inventory and Environmental Fate of Tire-Wear Particle and Textile Washing Microfiber in Japan | **Amila Abeynayaka**, Institute for Global Environmental Strategies (IGES), Tokyo City University, Japan
Liffey Hall 1	**Advances in Environmental Risk Assessment of Chemicals**| Daniel Bruce Pickford		
	4.01.T-01 National risk trends based on pesticide sale data in Germany - A comparison of five indicators | **Jörn Strassemeyer**, JKI - Julius Kühn-Institut Federal Research Centre for Cultivated Plants, Germany	**4.01.T-02** Validating Predicted No Effect Concentrations (PNECs) in the Field | **Oliver Weisner**, German Environment Agency (UBA), Germany	**4.01.T-03** Development of Analytical Frameworks to Assess the Risks Posed to Soil by Emerging Contaminants | **Federica Persico**, Cranfield University, United Kingdom
Liffey Hall 2	**POPs and Emerging Pollutants: Env. Fate, Research and Monitoring at the Interfaces of Science and Policy & Application of Green Removal Technologies**| ...		
	3.22.B.T-01 A Combined Time-Trend and Trophic Magnification Study on POPs and Emerging Contaminants in a Baltic Sea Food Web | **Andriy Rebryk**, Umea University, Sweden	**3.22.B.T-02** Passive Air and Water Sampling in High-Mountain Lakes: Distribution of Legacy and Emerging Organic Pollutants | **Raimon Prats**, Institute of Environmental Assessment and Water Research, IDAEA-CSIC, Spain	**3.22.B.T-03** The Atmospheric Fate of TBECH: Spatial Patterns, Seasonal Variability, and Deposition to Canadian Coastal Regions | **Jenny Oh**, University of Toronto, Canada
Liffey Meeting Room 2	**Applications of Computational Toxicology in Environmental Risk Assessment**| Pim Wassenaar, Geoffrey Hodges, Ester Papa, Paul Thomas		
	1.02.T-01 MechoA+: A significant update to the MechoA classification scheme | **Gaspard Levet**, KREATiS, France	**1.02.T-02** Explainable Deep Learning to Predict Bioaccumulation in Fish | **Sebastian Schmidt**, Bayer AG, Germany	**1.02.T-03** EAS-E Suite for Chemical Safety and Sustainability | **Jon Arnot**, Arnot Research and Consulting Inc. (ARC), Canada
EcoCem Room	**Environmental Toxicology and Chemistry in Africa: Tackling Legacy and Emerging Pollutants**| Tarryn Lee Botha, Olawale Otitoju, Iseult Lynch, Beatrice Opeolu		
	7.04.T-01 Utilizing a Geographic Information System-based Knowledge Hub for Contaminants of Emerging Concern in South African Water Resources developed using Open-Source Software | **Tarryn Botha**, Water Research Group, North-West University, Potchefstroom, South Africa	**7.04.T-02** Toxic Informal Solar Lead-Acid Battery Recycling in Malawi | **Christopher Kinally**, The University of Manchester, United Kingdom	**7.04.T-03** Examining the Impact of Pyrethroid Leaching From Insecticide Treated Net Fishing on Mortality and Oxidative Stress Biomarkers in Aquatic Organisms | **Deirdre Honoria Doyle Love**, University of Florida, USA
Wicklow Hall 1	**Daphnia- The Good, the Bad, and the New?**| Katie Reilly, Susana Loureiro, Maria Luisa Fernandez-Cruz, Konstantinos Grintzalis		
	1.04.T-01 Can Daphnia magna be used as a surrogate species to predict environmental and human health defects of pollutants. | **Carlos Barata**, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain	**1.04.T-02** Daphnia as model system to address questions at the interface of evolutionary ecotoxicology and multiple-stressor research | **Julie Verheyen**, KU Leuven, Belgium	**1.04.T-03** Image-based High-Content Screening of Mitochondrial Membrane Potential in Daphnia magna | **Cedric Abele**, ACES, Stockholm University, Sweden
Wicklow Hall 2A	**Regulation of Contaminants of Emerging Concern: Are We Missing Something?**| Paul J Leahy, David W. Moore, Nicole Bandow, Minna Saaristo		
	6.10.T-01 Critical Review of Frameworks for Screening and Risk Management of Chemicals and Advanced Materials | **David Moore**, U. S. Army Corps of Engineers, USA	**6.10.T-02** Identifying emerging substances gaps; a Prioritisation and Early Warning System for England | **Kerry Sims**, Environment Agency, United Kingdom	**6.10.T-03** Considerations for developing risk assessment approaches to manage CECs and agriculture: PFAS and livestock | **Jen Martin**, Arcadis, Australia
Wicklow Hall 2B	**Getting the Soil Loop Rolling: Ecotoxicology, Risk Prediction, Monitoring and Back**| Silvia Pieper, Amy C. Brooks, Gregor Ernst, Paola Grenni		
	6.07.T-01 ERAMYC - Assessing the sensitivity of Arbuscular Mycorrhizal Fungi to chemicals in soil | **Tiago Luz**, University of Coimbra, Portugal	**6.07.T-02** The Influence of Soil Organic Matter Content on the Toxicity of Pesticides to Soil Invertebrates: a Review | **Bart van Hall**, Vrije Universiteit Amsterdam, Netherlands	**6.07.T-03** How could the new soil exposure framework be implemented into a future, tiered ecotoxicological testing scheme? | **Sebastian Multsch**, BASF SE, Germany
Level 3 East Wing	**Emerging Organic Contaminants in the Oceans: Local Sources, Long-Range Environmental Transport and Impact of Climate Change**| ...		
	3.09.T-01 Exposing Marine Microbial Communities to Organophosphate Ester Flame Retardants and Plasticizers Along the Atlantic Ocean | **Jon Iriarte**, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain	**3.09.T-02** Investigating the Presence and Impact of Pharmaceuticals in Stony Corals from Shallow and Deep Sites in the Red Sea | **Gal Navon**, Tel Aviv University, Israel	**3.09.T-03** Short, medium and long-chain chlorinated paraffins and dechloranes in marine mammals from Norway | **Katrine Borga**, University of Oslo, Norway

	14:25	14:40
Liffey A	| Jannicke Moe, Liza-Marie Beckers, Paul van den Brink, Joan Artigas	
	2.08.T-04 How will climate change affect the distribution of macroinvertebrates in European surface waters and their sensitivity to chemical pollution? | **Andreu Rico**, University of Valencia, Spain	**2.08.T-05** Climate Change and Pesticides Century-long Impact on Freshwater Functional Biodiversity | **Niamh Eastwood**, University of Birmingham, United Kingdom
Liffey B	| Susanne M Brander, Andrea Martino Amadei, Cecilia Askham	
	5.07.T-04 Integrating ecotoxicological effects caused by additives on aquatic species into Life cycle impact assessment | **Naiara Casagrande**, NOVA University Lisbon, Portugal	**Poster spotlight** 5.07.P-Mo363, 5.07.P-Mo364, 5.07.P-Mo368
Liffey Hall 1	**Advances in Environmental Risk Assessment of Chemicals**| Daniel Bruce Pickford	
	4.01.T-04 Effect of PAC (PAH & Polar-PAC) Availability on Terrestrial Organisms' Ecotoxicity | **Imane Aabbar**, Interdisciplinary Laboratory of Continental Environments, France	**4.01.T-05** Chronic toxicity and bioacumulation testing of heterocyclic polyaromatic hydrocarbons with Daphnia magna – Controlling exposure with passive dosing | **Goksu Celik**, Teschnische Universitat Dresden, Germany
Liffey Hall 2	| Ana Barreiro, Oksana Golovko, Tom Harner, Ramon Guardans	
	3.22.B.T-04 Assessing Chemical Mixtures in Urban Air Using PUF-disk Passive Air Samplers: What Can be Achieved via High-resolution Mass Spectrometry Based Nontargeted Analysis | **Xianming Zhang**, Concordia University, Canada	**Poster spotlight** 3.22.P-Mo240, 3.22.P-Mo241, 3.22.P-Mo242
Liffey Meeting Room 2	**Applications of Computational Toxicology in Environmental Risk Assessment**| Pim Wassenaar, Geoffrey Hodges, Ester Papa, Paul Thomas	
	1.02.T-04 MLinvitroTox: A machine learning-based hazard-driven prioritization for environmental high-resolution mass spectrometry analysis | **Katarzyna Arturi**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**Poster spotlight** 1.02.P-Mo001, 1.02.P-Mo002, 1.02.P-Mo003
EcoCem Room	**Environmental Toxicology and Chemistry in Africa: Tackling Legacy and Emerging Pollutants**| Tarryn Lee Botha, Olawale Otitoju, Iseult Lynch, Beatrice Opeolu	
	7.04.T-04 Air pollution in Dakar (Senegal): a case-study on outdoor and indoor exposure | **Anthony Verdin**, Université du Littoral Côte d'Opale, France	**Poster spotlight** 7.04.P-Mo420, TBD, TBD
Wicklow Hall 1	**Daphnia- The Good, the Bad, and the New?**| Katie Reilly, Susana Loureiro, Maria Luisa Fernandez-Cruz, Konstantinos Grintzalis	
	1.04.T-04 Insights into microplastic particles distorting chemical communication | **Magdalena Mair**, University of Bayreuth, Germany	**1.04.T-05** Assessment of the impact of single and mixtures stressors on Daphnia magna: Using enzyme markers and metabolomics as endpoints of physiology | **Anna Michalaki**, Dublin City University, Ireland
Wicklow Hall 2A	**Regulation of Contaminants of Emerging Concern: Are We Missing Something?**| Paul J Leahy, David W. Moore, Nicole Bandow, Minna Saaristo	
	6.10.T-04 Long-term monitoring and environmental specimen banking in support of environmental policy | **Jan Koschorreck**, German Environment Agency (UBA), Germany	**6.10.T-05** Towards a zero pollution strategy for contaminants of emerging concern in the urban water cycle | **Lian Lundy**, Lulea Technical University, Sweden
Wicklow Hall 2B	**Getting the Soil Loop Rolling: Ecotoxicology, Risk Prediction, Monitoring and Back**| Silvia Pieper, Amy C. Brooks, Gregor Ernst, Paola Grenni	
	6.07.T-04 Soil health as part of sustainable agricultural production systems | **Christian Bogen**, Bayer AG, Germany	**6.07.T-05** Assessing the Effectiveness of Risk Mitigation Measures on the Risk Values of PPP Spray Series: A Case Study with Soil Organisms on Vineyards | **Fernanda de Santo**, University of Coimbra, Portugal
Level 3 East Wing	| Zhiyong Xie, Javier Castro-Jimenez	
	3.09.T-04 Sand and Mussels as Indicators of Volatile Methylsiloxanes in Coastal Areas | **Nuno Ratola**, Universidade do Porto, Portugal	**3.09.T-05** Long-range environmental transport of legacy and emerging per- and polyfluoroalkyl substances in the global ocean and polar regions | **Zhiyong Xie**, Helmholtz-Zentrum hereon GmbH, Germany

COFFEE & POSTER BREAK

P-Mo | Monday Poster Presentations

Schedule

Setup	08:00–08:45
Poster Viewing	10:05–10:45
Poster Viewing	12:05–13:35
Poster Viewing	14:55–15:35
Poster Social	17:45–18:45
Take Down	18:45–19:00
Poster Corners	18:00–18:45

Poster Corners

Micro (Nano)Plastics: Occurrence, Fate, Uptake, and Mechanistic Approaches to Understand Their Risk for the Environment and Human Health| Carlos Edo, Francisca Fernandez-Pinas, Miguel Oliveira, Craig Warren Davis

Level 1 Foyer Poster Corner A

1.09.P-Mo052, 1.09.P-Mo055, 1.09.P-Mo075, 1.09.P-Mo085, 1.09.P-Mo103

New Approaches and Methodologies for the Future Direction of Pollinator Health and Safety| Tobias Pamminger, Ivo Roessink, Silvio Erler, Alessio Ippolito

Level 1 Foyer Poster Corner B

2.13.P-Mo133, 2.13.P-Mo134, 2.13.P-Mo135, 2.13.P-Mo136, 2.13.P-Mo137

Pet Animals' Exposure to Chemicals and Health Effects of Relevance for Humans - One Health| Ana Catarina Sousa, Jana Weiss, Hazuki Mizukawa

Level 2 Foyer Poster Corner A

3.19.P-Mo235, 3.19.P-Mo236, 3.19.P-Mo237

Advances in Environmental Risk Assessment of Chemicals| Daniel Bruce Pickford

Level 2 Foyer Poster Corner B

4.01.P-Mo261, 4.01.P-Mo262, 4.01.P-Mo263, 4.01.P-Mo264

Practical implementation of the Essential-Use Concept through alternatives assessment and functional substitution| Joel Tickner, Ian Cousins, Monika A. Roy, Zhanyun Wang

Level 3 Foyer Poster Corner A

6.09.P-Mo392, 6.09.P-Mo393, 6.09.P-Mo394, 6.09.P-Mo395, 6.09.P-Mo396, 6.09.P-Mo397

Bioelectrochemical Systems Technology for a Better Environment| Grzegorz Pasternak, Ioannis Ieropoulos, Paola Grenni,Pedro N Carvalho

Level 3 Foyer Poster Corner B

7.03.P-Mo413, 7.03.P-Mo414, 7.03.P-Mo415, 7.03.P-Mo416, 7.03.P-Mo417, 7.03.P-Mo418

Poster Sessions

Applications of Computational Toxicology in Environmental Risk Assessment| Pim Wassenaar, Geoffrey Hodges, Ester Papa, Paul Thomas

1.02.P-Mo001 Expanding SeqAPASS Capabilities to Protein Structural Comparisons Across Species | **Carlie LaLone**, U.S. Environmental Protection Agency, USA

1.02.P-Mo002 Exploring the potential of in silico machine learning tools for the prediction of acute Daphnia magna nanotoxicity | **Surendra Balraadjsing**, CML Leiden University, Netherlands

1.02.P-Mo003 Predictive modelling of the maternal transfer of organic pollutants to next generations in reptile species | **Peter Vermeiren**, University of South-Eastern Norway, Radboud University, Norway, Netherlands

1.02.P-Mo004 Improving Environmental Risk Assessment with Data Literacy and the Bayesian Regression Toolbox | **Raoul Wolf**, Norwegian Geotechnical Institute (NGI), Norway

1.02.P-Mo005 A Bayesian Network Tool for Predicting Fish Acute Toxicity Based on Fish Embryo Toxicity Test Data: Optimizing Weights of Evidence | **Jannicke Moe**, Norwegian Institute for Water Research (NIVA), Norway

1.02.P-Mo006 Computational tools for the development and application of QSARs for the estimation of multiple endpoints | **Ester Papa**, University of Insubria, Italy

1.02.P-Mo007 A Benchmark Dataset for Machine Learning in Ecotoxicology | **Christoph Schuer**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

1.02.P-Mo008 Challenges with QSAR Models for Chemical Risk Assessment - Comparing Empirical Data with Predictions from Three QSAR Platforms Across Six Endpoints | **Patrik Svedberg**, University of Gothenburg, Sweden

1.02.P-Mo009 Tiered methods for screening-level ecological hazard and risk assessment: Case study application to octamethylcyclotetrasiloxane, D4 | **Liisa Toose**, Arnot Research and Consulting Inc. (ARC), Canada

1.02.P-Mo010 Predictive QSAR models to estimate the toxic potential of pesticide's metabolites to honeybees | **Ester Papa**, University of Insubria, Italy

1.02.P-Mo011 Machine learning for toxicity categorization from molecular descriptors: an alternative to conventional QSAR models | **Antonia Praetorius**, Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam, Netherlands

1.02.P-Mo012 Addressing uncertainty in chemical partitioning properties and prospects for improvement | **Trevor Brown**, Arnot Research and Consulting Inc. (ARC), Canada

1.02.P-Mo013 iSafeRat® Platform: Development and Improvement of Mechanistic High Accuracy-QSAR Models to Predict Acute and Chronic Aquatic Toxicity | **Floriane Larras**, KREATiS, France

1.02.P-Mo014 Development of an In Silico Structural Profiler facilitating Mechanistically-grounded Classification of Aquatic Toxicants | **James Firman**, Liverpool John Moores University, United Kingdom

1.02.P-Mo015 Comparison of the Performance and Domains of In Silico Schemes to Classify Environmental Chemicals | **Mark Cronin**, Liverpool John Moores University, United Kingdom

1.02.P-Mo016 A Comprehensive Similarity Approach to Identify Potential SVHC Chemicals | **Yordan Yordanov**, National Institute for Public Health and the Environment (RIVM), Netherlands

1.02.P-Mo017 Identification of Machine Learning Algorithms and Molecular Fingerprints for the Development of a Target-Specific Bioactivity Prediction Model Based on ToxCast Bioassay Data | **Jaeseong Jeong**, University of Seoul, Korea, Republic of (South)

1.02.P-Mo018 Deconvoluting chemical mixtures in aquatic environment by integrative high-throughput screening, non-target analysis, and artificial intelligence | **Yujun Tong**, Jinan University, China

1.02.P-Mo019 In-Silico Model-based Exploration of the Importance of Gut Metabolism in Human Exposure and Toxicokinetic Modeling | **Shenghong Wang**, University of Nevada, Reno, USA

1.02.P-Mo020 Considerations for Applying the Parallel Artificial Membrane Permeability Assay (PAMPA) in the Screening of Gastrointestinal Absorption of Chemicals of Environmental or Occupational Concerns | **Shenghong Wang**, University of Nevada, Reno, USA

1.02.P-Mo021 Addressing applicability domain and uncertainty in high throughput toxicokinetic data and applications | **Alessandro Sangion**, Arnot Research and Consulting Inc. (ARC), Canada

1.02.P-Mo022 A Case Study on Skin Sensitization Assessment Using OECD QSAR Toolbox | **Heekyung Bae**, TO21 Co., Ltd., Chemical Management Institute, Korea, Republic of (South)

1.02.P-Mo023 Behavioural Fingerprinting with Machine Learning to Characterise Micropollution in Wastewater Effluents | **George Ruck**, National Research Institute for Agriculture, Food and Environment (INRAE), France

1.02.P-Mo024 Drainflow prediction based on data-driven approach | **Qianwen He**, BASF SE, Germany

Daphnia- The Good, the Bad, and the New?| Katie Reilly, Susana Loureiro, Maria Luisa Fernandez-Cruz, Konstantinos Grintzalis

1.04.P-Mo025 Ecotoxicological effects of Copper at two different temperatures on D. magna- the impacts of Climate changes | **Ana Marta Goncalves**, University of Coimbra, Portugal

1.04.P-Mo026 Is Microplastics at Environmentally Relevant Concentration Toxic: Evidence from Daphnia magna under Global Warming | **Chao Zhang**, Shandong University, China

1.04.P-Mo027 Unexpected interactive effects of nitrate and heatwave exposure on the survival, growth, and reproduction of Daphnia magna | **Sabiha Akter**, University Antwerp, Belgium

1.04.P-Mo028 Resurrected daphnia as indicators of microevolutionary adaptive mechanisms to multiple stressors | **Florian Gigl**, Goethe University Frankfurt, Germany

1.04.P-Mo029 Cadmium Chloride Toxicity across Twenty Daphnia magna Clones | **Marianne Barnard**, School of Biosciences, University of Birmingham, United Kingdom

1.04.P-Mo030 Effect of historic pesticide exposure upon response to DDT in Daphnia | **Niamh Eastwood**, University of Birmingham, United Kingdom

1.04.P-Mo031 Chronic exposure of Daphnia magna to insecticides: unconventional effect on reproduction and sensitivity of behaviour as biomarker | **Floriane Tisserand**, Faculty of Geoscience and Environment, University of Lausanne, Switzerland

1.04.P-Mo032 Differential Susceptibility to Arsenic in Glutathione S-Transferase Omega 2 (GST-O2)-Targeted Freshwater Water Flea Daphnia Magna Mutants | **Jae-Seong Lee**, Sungkyunkwan University, Korea, Republic of (South)

1.04.P-Mo033 Toxicity of atmospheric particulate matter from a Brazilian industrial area on Daphnia magna | **María del Pilar Gonzalez Muñoz**, Institute of Marine Sciences of Andalusia (CSIC), Spain

1.04.P-Mo034 Establishing The Effects of Aquatic Pharma-Pollution on Female Daphnia magna Strauss 1820 Biological Organization | **Stefania Scurtu**, Dublin City University, Ireland

1.04.P-Mo035 Acute Toxicity, Oxidative Stress, and Apoptosis due to Short-Term Triclosan Exposure and the Multi- and Transgenerational Effects in the Freshwater Water Flea Daphnia magna | **Jae-Seong Lee**, Sungkyunkwan University, Korea, Republic of (South)

1.04.P-Mo036 "Toxicity and phototoxicity of UV filter and microplastics mixtures on Daphnia magna" | **Haemi Kim**, Konkuk University, Korea, Republic of (South)

1.04.P-Mo037 Molecular consequences of traditional and biodegradable microplastic exposure in a keystone freshwater crustacean | **Katie Reilly**, The University of Birmingham, United Kingdom

1.04.P-Mo038 Environmental exposure effects: making a predictive model for acute toxicity to nanomaterials due to difference in the environmental conditions | **Katie Reilly**, The University of Birmingham, United Kingdom

1.04.P-Mo039 Investigating the effect of pesticides on Daphnia clonal populations using a stochastic model | **Gian Marco Palamara**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

1.04.P-Mo040 Automated evaluation of Daphnia neonate number and size in ecotoxicological assays | **Sizenando Abreu**, Aveiro University & CESAM, Portugal

1.04.P-Mo041 Exposure To Artificial Light At Night Adversely Affects Reproductive Output In Daphnia magna | **João Pestana**, University of Aveiro, Portugal

1.04.P-Mo042 Alterations of swimming behaviour of Daphnia magna upon acute and chronic exposure as a sensitive endpoint | **Lena Kosak**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

Micro (Nano)Plastics: Occurrence, Fate, Uptake, and Mechanistic Approaches to Understand Their Risk for the Environment and Human Health| Carlos Edo, Francisca Fernandez-Pinas, Miguel Oliveira, Craig Warren Davis

1.09.P-Mo043 EnviroPlaNet Project: A systematic monitoring of atmospheric deposition of microplastics in Spain | **Carlos Edo**, Universidad de Alcalá, Spain

1.09.P-Mo044 Characterizing human exposure to microplastics during pregnancy | **Charles Rolsky**, Shaw Institute, USA

1.09.P-Mo045 Multigenerational effects of microplastics to springtail | **Jin Il Kwak**, Konkuk University, Korea, Republic of (South)

1.09.P-Mo046 Artificial Plastic Aging as a Framework for Microplastics Ecotoxicity Evaluation | **Marcus Lukas**, German Environment Agency (UBA), Germany

1.09.P-Mo047 Soil ecological risk assessment of microplastics based on species sensitivity distributions | **Dokyung Kim**, Konkuk University, Korea, Republic of (South)

1.09.P-Mo048 Physiologically Based Kinetic (PBK) Modelling for Human Exposure to Micro- and Nanoplastics | **Jiaqi Wang**, Radboud University, Netherlands

1.09.P-Mo049 Shape plays an important role in the ecotoxicity and environmental aging of microplastics | **Gabriela Kalcikova**, University of Ljubljana, Slovenia

1.09.P-Mo050 Investigating the Influence of Microplastic Morphology and Surface Characteristics on Nitrogen Transformation in Floating Treatment Wetlands | **Meredith Sutton**, University of Nebraska - Lincoln, USA

1.09.P-Mo051 Fate of Microplastic Particles in Stream Mesocosms | **Tobias Schmitt**, Rhineland-Palatinate Technical University of Kaiserslautern-Landau, Germany

1.09.P-Mo052 Modelling Environmental Microplastic Fate and Exposure | **Yvette Mellink**, Wageningen University & Research, Netherlands

1.09.P-Mo053 Quantifying environmental emission and risk of microplastics in a semi-enclosed bay: A Tokyo Bay case study | **Wataru Naito**, RISS, AIST, Japan

1.09.P-Mo054 Leveraging Physiology & Behavior to Better Understand Exposure, Uptake, & Elimination of Micro- and Nanoplastics (MNP) in Pelagic & Benthic Species within the Context of Quantitative Risk Assessment | **Benjamin de Jourdan**, Huntsman Marine Science Centre, Canada

1.09.P-Mo055 Comparison of species sensitivity distribution methods for risk assessment of microplastics | **Sara J. Hutton**, GSI Environmental, Inc., USA

1.09.P-Mo056 Bioenergetic status of human intestinal Caco-2 cells after exposure to simulated environmental nanoplastic | **Miao Peng**, Ghent University, Belgium

1.09.P-Mo057 Macroplastics to microplastics: The production of microplastic particles from large debris in freshwater systems | **Kathleen Mayer**, Virginia Tech, USA

1.09.P-Mo058 Mapping and quantifying the various sources of microplastic pollution in the Elbe River Basin | **Yichen Sun**, Radboud University, Netherlands

1.09.P-Mo059 Wear and Tear of Synthetic Cov-19 Face Masks in an Artificial Wave Mesocosm System | **Ulrike Scholz**, German Environment Agency (UBA), Germany

1.09.P-Mo060 Integrated toxicological analyses of marine micro- and nanoplastic particles using in vivo and in vitro bioassays | **Clara Alejandra Kempkens Palacios**, Goethe University Frankfurt, MTM Research Centre Orebro University, Germany, Sweden

1.09.P-Mo061 Polymer-Specific Biofouling Determines The Vertical Movement Of Plastics In Freshwater | **Maaike Vercauteren**, Ghent University, Belgium

1.09.P-Mo062 Microplastics on Beaches along the Coast of Valencia (East of Spain) | **Vasiliki Soursou**, Universidad de Valencia, Spain

1.09.P-Mo063 Biofragmentation of Microplastic in the Process of Digestion by the Snail Lissachatina fulica (Bowdich) | **Tae-Yang Lee**, Konkuk University, Korea, Republic of (South)

1.09.P-Mo064 Time-Course Accumulation in Target Tissues and Depuration Dynamics of PS Microplastics in Mussels and Polychaetes | **Nagore Blasco**, University of Basque country (UPV/EHU), Spain

1.09.P-Mo065 Determination of Microplastics in Soil and Water from a Managed Aquifer Recharge System with Secondary Wastewater Treatment Plant Receiving Waters | **Albert Contreras Llin**, Agencia Estatal Consejo Superior de Investigaciones Científicas, Spain

1.09.P-Mo066 Impacts of Polyethylene Terephthalate in Manila Clam Venerupis philippinarum: Filtration Rate and the Body Accumulation | **Yooeun Chae**, Korea Institute of Toxicology (KIT), Korea, Republic of (South)

1.09.P-Mo067 Combining a novel radiolabelling approach and a traditional radiometric technique to characterise the biokinetics of ultra-low levels of nano-plastics in mussels | **Marion Sebire**, Cefas, United Kingdom

1.09.P-Mo068 Ingestion of SMPs (small microplastics < 100µm) and TWPs (tire wear particles) in king prawns Procambarus clarkii from highway stormwater runoff | **Beatrice Rosso**, Ca' Foscari University of Venice, Italy

1.09.P-Mo069 Bioaccumulation of Plastic Additives and Organic Pollutants in Zebrafish Trough Microplastics | **Arianna Bautista**, Institute for Environmental Diagnosis and Water Studies (IDAEA-CSIC), Spain

1.09.P-Mo070 Small microplastics (<100 µm) and nanoplastics in the Venice Lagoon. | **Fabiana Corami**, Ca' Foscari University, Institute of Polar Science- National Research Council (ISP-CNR), Italy

1.09.P-Mo071 Small Microplastics (<100 µm), and other Microlitter Components in the Channels of the Historical Center of Venice: Rio Marin as a Case Study. | **Fabiana Corami**, Ca' Foscari University, Institute of Polar Science- National Research Council (ISP-CNR), Italy

1.09.P-Mo072 Quantification and characterization of microplastics and additives in soft tissues of farmed Mytilus galloprovincialis by Micro-FTIR | **Ilaria Savino**, Italian National Research Council - Water Research Institute (CNR-IRSA), Italy

1.09.P-Mo073 Microplastics contamination of mussels and water from the Port of Sines, Portugal | **Carla Silva**, FCT-NOVA, Portugal

1.09.P-Mo074 Monitoring of microplastics in the Scheldt estuary (Belgium) | **Mathilde Falcou-Prefol**, University of Antwerp, Ghent University, Belgium

1.09.P-Mo075 Ecotoxicological Assessment of Campania Rivers: A Focus on Microplastic Impact | **Sara Accardo**, University Parthenope, Italy

1.09.P-Mo076 Visualization of Labelled Nanoplastics in Algae and Copepods, Using STED-Microscopy and Fluorescence Lifetime Imaging (FLIM) | **Marie Sioen**, Ghent University, Belgium

1.09.P-Mo077 Development of an analytical method for the detection of nanoplastics in biological samples: the case of the chironomid Diamesa tonsa | **Andrea Masseroni**, University of Milano-Bicocca, Italy

1.09.P-Mo078 Microcosm Study of the Effects of Polyester Microfibers on Indigenous Marine Amphipod (Cyphocaris challengeri) in the Strait of Georgia | **Kevin Landrini**, Ocean Wise Conservation Association, Canada

1.09.P-Mo079 Exploring Changes in the Metabolome of Freshwater Benthic Invertebrates Exposed to Polyethylene Microplastics: A Two-Generational Investigation | **Hsuan-Cheng Lu**, Australian Rivers Institute, School of Environment and Science, Griffith University, Australia

1.09.P-Mo080 Interaction of Marine Algae and Nanoplastics: impact on growth and EPS production | **Marie Sioen**, Ghent University, Belgium

1.09.P-Mo081 Influence of Particle Size on the Trophic Transfer and Uptake of Eu-Ps by the Terrestrial Snail: Cantareus Aspersus | **Maria Kazour**, Leiden University, Netherlands

1.09.P-Mo082 Bad Romance- The Relationship between Microplastic and Filter-Feeders | **Eden Harel**, Tel-Aviv University, Israel

1.09.P-Mo083 Development of Novel Molecular Indicators of Emerging Contaminants in Aquatic Environments | **Enya Cody**, School of Food Science and Environmental Health, Technological University Dublin, Ireland

1.09.P-Mo084 Sublethal effects on behaviour and

feeding of bio-plastic microparticles in Daphnia magna | **Katerina Savva**, Institute for Environmental Diagnosis and Water Studies (IDAEA-CSIC), Spain

1.09.P-Mo085 Ecotoxic Effect of Biodegradable Plastic Bags Leachates on Marine Organisms | **Simona Schiavo**, ENEA, Italy

1.09.P-Mo086 Role of Container Materials on Polycyclic Aromatic Compound (PAC) Concentrations in Aqueous Phase: Implication for Aquatic Ecotoxicity Determination | **Imane Aabbar**, Interdisciplinary Laboratory of Continental Environments, France

1.09.P-Mo087 Impacts of Polyethylene Terephthalate Microfiber and Microfragment on ROS Generation and Enzyme Activity in Manila Clam Venerupis philippinarum | **Hyeonji Nam**, Korea Institute of Toxicology (KIT), Korea, Republic of (South)

1.09.P-Mo088 The effect of dioctyl terephthalate on biofilm formation of plastic-degrading bacterium Rhodococcus ruber on PVC film | **Dana Mohamed**, Korea University, Korea, Republic of (South)

1.09.P-Mo089 Survival and reproduction effects of four microplastics on Ceratophysella denticulata, Folsomia candida, Heteromurus nitidus and Sinella curviseta | **Sam van Loon**, Vrije Universiteit Amsterdam, Faculty of Science, Amsterdam Institute for Life and Environment (A-LIFE), Netherlands

1.09.P-Mo090 Toxicological interaction of microplastic and polyaromatic hydrocarbons on macrophyte | **Hoi Shing Lo**, Stockholm University, Sweden

1.09.P-Mo091 Combined toxic effects of cadmium and environmental microplastics in Aphanius fasciatus (Pisces, Cyprinodontidae) | **Benjamin Pina**, Institute of Environmental Assessment and Water Research (IDAEA) Spanish Research Council (CSIC), Spain

1.09.P-Mo092 Are Polyethylene and Polystyrene Microparticles Capable to Disrupt the Intestinal Function of Rainbow Trout? | **Nikola Hodkovicova**, Veterinary Research Institute, Czech Republic

1.09.P-Mo093 Do polystyrene microparticles affect the early-life stages of zebrafish (Danio rerio)? | **Aneta Hollerová**, University of Veterinary Sciences Brno, Veterinary Research Institute, Czech Republic

1.09.P-Mo094 Automated Quantification of Fluorescence Signals for Apoptosis and Necrosis in Bivalve Hemocytes (Mytilus edulis) using Fiji/ImageJ as a Proxy for In-vitro Toxicity Assessment | **Jenevieve Hara**, University of Antwerp, Belgium

1.09.P-Mo095 Toxicity assessment of used and pristine cigarette filter microplastics and their leachates to Daphnia magna | **Victor Carrasco Navarro**, University of Eastern Finland, Finland

1.09.P-Mo096 Assessing The Effects Of Car Tire Additives To A Marine Amphipod Using Behavioural Studies | **Henry Obanya**, University of Portsmouth, United Kingdom

1.09.P-Mo097 Effects of three micro and nanoplastics under weathering conditions on messenger and long non-coding RNA expression in the Inland Silverside (Menidia beryllina) | **Sara J. Hutton**, GSI Environmental, Inc., Oregon State University, USA

1.09.P-Mo098 Immuno-physiological Impact of Exposure to Polyethylene Terephthalate Microparticles on Rockfish Sebastes schlegelii | **Kwang-Min Choi**, Korea Institute of Ocean Science and Technology, Korea, Republic of (South)

1.09.P-Mo099 Are daphnia more sensitive to weathered or pristine microplastics derived from common consumer products? | **Bettie Cormier**, Norwegian University of Science & Technology (NTNU), Norway

1.09.P-Mo100 Embryotoxic and neurobehavioral effects of nanoplastics on the early life stage in zebrafish | **Xiaoyu Duan**, University of Southern Denmark, Denmark

1.09.P-Mo101 Effects of Plastic on the reproductive behaviour of the freshwater snail Biomphalaria Glabrata: an invertebrate in vivo study | **Linda Prähauser**, University of Applied Sciences Technikum Wien, Austria

1.09.P-Mo102 Behavioural toxicity of conventional vs biobased and marine recycled polymers in European P erch and Netted Dog Whelk | **Christopher Liechti**, University of Gothenburg, Sweden

1.09.P-Mo103 Toxic Effect of Polypropylene Loaded with Fluoxetine on Daphnia Magna: Adsorption and Desorption Mechanisms of Fluoxetine on Three Microplastic Types | **Diana Moura**, Robert Gordon University, United Kingdom

1.09.P-Mo104 Elucidating the Human Health Hazards of Inhaled MicroNanoPlastics in Particulate Matter Using Advanced In Vitro Approaches | **Stephanie Wright**, Imperial College London, United Kingdom

1.09.P-Mo105 Detection and quantification of micro- and nanoplastics in olfactory bulb tissue: A neurodegenerative disease association study | **Ayesha Babbrah**, Arizona State University, USA

1.09.P-Mo106 Combined effects of Nanoplastics and Benzo[a]pyrene in human colon adenocarcinoma cells | **Marta Martins**, MARE - Marine and Environmental Sciences Centre, Portugal

1.09.P-Mo107 Study of the bioavailable fraction of metals derived from polylactic acid (PLA) microplastics | **Soledad Muniategui-Lorenzo**, Universidade da Coruña, Spain

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2.06.P-Mo108 Impact of warming on the sensitiveness of Artemia franciscana to the pesticides oxyfluorfen and copper | **Ana Marta Goncalves**, University of Coimbra, Portugal

2.06.P-Mo109 Physiological effects of microplastic during simulated marine heatwaves in the Mediterranean coral Astroides calycularis | **Silvia Signorini**, Università degli Studi di Milano, Italy

2.06.P-Mo110 Impacts of the cumulative effect of copper exposure and ocean acidification on cold-water octocoral Viminella flagellum – a transcriptional approach | **Beatriz Mano**, IMAR - Instituto do Mar, University of Azores, Portugal

2.06.P-Mo111 The influence of salinity on the toxicity of chemical UV-filter 4-MBC to sperms and adults of the free-spawning mussel Mytilus galloprovincialis (Lamark, 1819) | **Alessia Cuccaro**, University of Aveiro, Portugal

2.06.P-Mo112 Integrative approaches highlight the adaptive potential and plasticity of the invasive Hemigrapsus sanguineus and H. takanoi while outperforming Carcinus maenas in Europe | **Lénia Rato**, Polytechnic of Leiria & MARE, Portugal

2.06.P-Mo113 Light Pollution Increases Sensitivity Of An Aquatic Insect To Thermal Stress And Pesticide Exposure | **João Pestana**, University of Aveiro, Portugal

2.06.P-Mo114 Using a Dynamic Energy Budget (DEB) Model to Analyze the Sublethal and Lethal Effects of Insecticides at Different Temperatures | **Anna Huang**, Wageningen Environmental Research - WUR, Netherlands

2.06.P-Mo115 DOM Quality and Origin Does Not Greatly Affect Uptake and Accumulation of Lipid Soluble Contaminants in Two Coastal Filter Feeders | **Sabrina Schultze**, University of Oslo, Norway

2.06.P-Mo116 Analytical and Risk Assessment monitoring of Drinking Water Treatment Plants in Biscay (Basque Country) | **Belen Gonzalez-Gaya**, Plentzia Marine Station (PiE-UPV/EHU), Spain

2.06.P-Mo117 Water Stress from Future Climate Changes and Modeling Impacts to the Environment from Consumer Product Chemical Exposure in the United States and Europe | **Brenna Kent**, Waterborne Environmental, Inc., USA

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2.07.P-Mo120 The Impacts Of Increased Temperature And Pollution On The Biological Functions Of Two Caddisflies Species Drusus croaticus And Allogamus uncatus | **Filip Ložek**, University of Zagreb, Croatia

2.07.P-Mo121 Combined Effects of Warming and Pesticides on Freshwater Invertebrates: a Mesocosm Study | **Claire Duchet**, University of South Bohemia in České Budějovice / Faculty of Science, Czech Republic

2.07.P-Mo122 Disentangling the Effects of Multiple Stressors and Chemical Mixtures: Stressor Prioritization Using Monitoring Data Across Germany | **Nele Markert**, University Duisburg-Essen, North Rhine-Westphalia Office of Nature, Environment and Consumer Protection (LANUV NRW), Germany

2.07.P-Mo123 Mediterranean Freshwater Ecosystems Under Pesticide and Climatic Stress: Effects of Imidacloprid, Elevated Temperatures, and Heatwaves | **Markus Hermann**, Wageningen University & Research, Netherlands

2.07.P-Mo124 Ecosystem Resilience and Recovery of a Natural Saline Lake in Response to a Supra-Seasonal Drought. | **Nicholas Smit**, North-West University, South Africa

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2.08.P-Mo125 Emissions of organic micropollutants and antibiotic-resistant bacteria via different urban entry pathways | **Liza-Marie Beckers**, Federal Institute of Hydrology, Germany

2.08.P-Mo126 Measured Peak Concentrations of Organic Micropollutants during Combined Sewer Overflows | **Viviane Furrer**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

2.08.P-Mo127 Pathways of biocides in an exemplary urban catchment: Impact of combined sewer overflows and storm water outlets on surface water pollution | **Korinna Ziegler**, German Environment Agency (UBA), Germany

2.08.P-Mo128 Comparative Assessment of the Ecotoxicity of Rainwater Runoff Originating From a Highway and a Low-Traffic Zone. | **Gert De Keersmaeker**, Ghent University, Belgium

2.08.P-Mo129 Molecular tool shows effects of extreme weather events in aquatic quality monitoring | **Marlea Wagelmans**, Rijkswaterstaat-WMCN, Netherlands

2.08.P-Mo130 A Bayesian network approach to assess the impacts of climate change and the ´Farm-to-Fork´ strategy on the ecological risks of pesticides in a protected Mediterranean wetland | **Andreu Rico**, University of Valencia, Spain

2.08.P-Mo131 Climate change impacTs in EstaRRejA region – the TERRA project | **Susana Loureiro**, University of Aveiro, Portugal

2.08.P-Mo132 Integrating Expertise on Climate Modeling and Environmental Risk Assessment: A SETAC Pellston Workshop in the Oslo Fjord | **Jannicke Moe**, Norwegian Institute for Water Research (NIVA), Norway

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2.13.P-Mo135 Ecological traits interact with the landscape context to determine bees' pesticide risk | **Jessica Knapp**, Lund University, Sweden

2.13.P-Mo136 Solitary Bees and Pesticide Exposures: A Model Approach | **Amelie Schmolke**, Waterborne Environmental, Inc., USA

2.13.P-Mo137 Predicting Pollen and Pesticide Occurrences at National Scales Using Citizen Science Monitoring Data | **Bas Buddendorf**, Wageningen Environmental Research - WUR, Netherlands

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2.13.P-Mo139 Flupyradifurone: Systemic butenolide, persistent and bioaccumulation in honey bee hives and hummingbirds in British Columbia, Canada. | **Christine Bishop**, Environment and Climate Change Canada, Canada

2.13.P-Mo140 30 day acute and chronic honey bee test with microbials | **Carmen Gimeno**, Eurofins Agroscience Services, Spain

2.13.P-Mo141 Underestimated adverse effects of Entomopathogenic nematodes to bees | **Lukas Jeker**, Agroscope, Switzerland

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2.16.P-Mo143 Evaluation of antibiotics and copper mixture effects on test organisms, natural soil microbial communities and plant growth: an ecological study at different hierarchical levels | **Chiara De Carolis**, Italian National Research Council - Water Research Institute (CNR-IRSA), Italy

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2.16.P-Mo145 Adverse Effects of Agrochemicals on Methanotrophy Examined in a Toxicity Assay with Methane Oxidizing Bacteria | **Peter Roslev**, Aalborg University, Denmark

2.16.P-Mo146 Initial Soil Microbial Colonizers Following Fresh Crude Oil Spill Incident. | **Chidinma Okafor**, University of Port Harcourt, Nigeria

2.16.P-Mo147 Microbial Indicators of Stress in Crude Oil-Impacted Soils | **Chidinma Okafor**, University of Port Harcourt, Nigeria

2.16.P-Mo148 Whole Genome Sequencing Reveals a Wide Range of Virulence and Antibiotic Resistance Determinants in Oil-Polluted Soil Microbiome | **Chioma Chikere**, University of Port Harcourt, Nigeria

2.16.P-Mo149 Could nature successfully trigger soil functional processes in metal mine tailings or do we always need a man-made restoration intervention? | **Matias Ceacero-Moreno**, Universidad Politécnica de Cartagena, Spain

2.16.P-Mo150 Bioconversion of olive pomace by Hermetia illucens larvae to an organic fertilizer - The soil health and safety perspective | **Diogo Filipe Nunes Cardoso**, University of Aveiro, Portugal

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2.16.P-Mo153 Impact of initial body weight of Eisenia fetida on main parameters mortality, body weight change and reproduction in OECD 222 earthworm reproduction testing | **Andreas Duffner**, Eurofins Agroscience Services, Germany

2.16.P-Mo154 Single and Combined Effects of Metal-based Fungicides on Eisenia fetida under Different Climatic Change Scenarios | **Mark Maboeta**, North West University (Potchefstroom Campus), South Africa

2.16.P-Mo155 Effect of macroplastic on soil percolation and infiltration rate: a lysimeter test using artificial rainfall on samples from the central Norwegian coast | **Zuzanna Sledz**, Norwegian University of Science & Technology (NTNU), Norway

2.16.P-Mo156 The resilience of soil systems towards microplastics | **Hafeez Ur Rehman**, Norwegian Institute for Water Research (NIVA), Norway

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3.04.P-Mo163 The first assessment of halogenated organic compounds in the blubber of short-finned pilot whales (Globicephala macrorhynchus) stranded along the coast of Savu Island, Indonesia | **Dede Falahudin**, Research Center for Oceanography, Center of Advanced Technology for the Environment (CATE), Ehime University, Indonesia, Japan

3.04.P-Mo164 A Biological Effects Assessment Tool: An Integrated Approach to Evaluate Mixture Effects of Contaminants on the Baltic Sea Biota | **Roque Alurralde**, Baltic Marine Environment Protection Commission HELCOM, Stockholm University, Finland, Sweden

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3.04.P-Mo172 Flame Retardants in Eggs of Black-tailed Gull from Its Breeding Sites Along The Korean Coast | **Gi Myung Han**, Korea Institute of Ocean Science and Technology, Korea, Republic of (South)

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3.04.P-Mo174 Laboratory Testing of Hexachlorocyclohexane Retention in Moss as a Potential Biomonitor for the Surveillance of Water and Air Pollution | **María Zoe Carballo**, CRETUS (Cross-Research in Environmental Technologies), Universidade de Santiago de Compostela, Spain

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3.04.P-Mo178 A human biomonitoring-based study of Brazilian lactating women, infants, and children exposed to polycyclic aromatic hydrocarbons | **Marilia Souza**, University of São Paulo (USP), Brazil

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3.04.P-Mo180 Monitoring of heavy metals levels from blood in a rural population of Sevilla | **Isabel Maria Navarro**, Universidad de Sevilla, Spain

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3.04.P-Mo182 Maternal urine and amniotic fluid biomonitoring using electromembrane microextraction (EME) to assess paraben exposure in a cohort from the population of Sevilla (Spain) | **Rut Fernandez-Torres**, Universidad de Sevilla, Spain

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3.07.P-Mo204 Experimental Design and Evaluation of an Artificial Bioreef Colonized with Ostrea edulis in the Catalan Coast | **Jordi Sierra**, SEKAI CORPORATE TRAVEL S.L.U, Spain

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3.11.P-Mo221 Contamination of water, soil and plants by micropollutants from treated wastewater and wastewater treatment plant sludge | **Radka Kodesova**, Czech University of Life Sciences Prague, Czech Republic

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Bayer AG, Germany

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6.10.P-Mo398 Post-brexit UK Chemical Regulation and Policy - Does the Future Look Green? | **Lowenna Jones**, The University of Sheffield, United Kingdom

6.10.P-Mo399 Data Collection and Meta-Analysis on Plant Protection Products Occurrence in Soil at Worldwide Scale | **Shiva Sabzevari**, RECETOX, Faculty of Science, Masaryk University, Czech Republic

6.10.P-Mo400 What we need to know about Microplastics in the environment | **Joris Quik**, National Institute for Public Health and the Environment (RIVM), Netherlands

Better Safe than Sorry: Safe, Sustainable and Circular Chemicals, Materials and Products along their Lifecycle| Caroline Moermond, Elena Semenzin, Joel Tickner, Irene Bramke

7.02.P-Mo401 Safe And Sustainable By Design Chemicals And Materials: A Framework For Criteria Definition | **Carla Caldeira**, EC JRC, Italy

7.02.P-Mo402 Challenges and opportunities for Safe and Sustainable by Design assessment of chemicals and materials | **Elisabetta Abbate**, Radboud University, Nijmegen & European Commission - Joint Research Centre, Netherlands

7.02.P-Mo403 Interdisciplinarity as the Backbone for Sustainable Transitions: A Housing Crisis Case Study | **Elizabeth Alejandre**, CML Leiden University, Netherlands

7.02.P-Mo404 Machine Learning Analysis of Regional Sustainable Development | **Chen I-Chun**, Chinese Culture University, Taiwan

7.02.P-Mo405 Using iSafeRat® Desktop as a quick and efficient tool as part of a process to develop new safe and sustainable by design substances | **Gaspard Levet**, KREATiS, France

7.02.P-Mo406 Including criteria for GREENER active pharmaceutical ingredients in the R&D process: opportunities and need for tools and assays | **Caroline Moermond**, RIVM, the Netherlands, Netherlands

7.02.P-Mo407 Environmental Impact of Pharmaceutical Products – A Systematic Review of Life Cycle Assessment Methods and Outcomes | **Martijn Bodegraven**, Dutch National Institute for Public Health and the Environment (RIVM), Netherlands

7.02.P-Mo408 Recombinant Production of Peptide Antibiotics – An Interdisciplinary Approach to Develop Sustainable Antibiotic Alternatives | **Lisa Michel**, Hamburg University of Applied Sciences (HAW), Germany

7.02.P-Mo410 Circular-economy challenge – the power of rapid screening of chemicals in plastics is limited | **Helene Wiesinger**, ETH Zürich, Switzerland

7.02.P-Mo411 Safe, Sustainable and Circular by Design Organophosphate Flame Retardants | **Hannah Flerlage**, Van 't Hoff Institute for Molecular Sciences, University of Amsterdam, Netherlands

7.02.P-Mo412 A 2-Phase Methodology to assess the environmental implications of agricultural systems to inform sustainability improvements: Conservation agriculture as example | **Christian Bogen**, Bayer AG, Germany

Bioelectrochemical Systems Technology for a Better Environment| Grzegorz Pasternak, Ioannis Ieropoulos, Paola Grenni, Pedro N Carvalho

7.03.P-Mo413 Microbial electrochemical systems to remove bioactive pollutants from water: Finding the nexus between composition of anodic microbial communities, removal efficiency and electrochemical performance | **Claudio Avignone Rossa**, University of Surrey, United Kingdom

7.03.P-Mo414 Studying the extracellular electron transfer mechanisms of Desulfuromonas acetoxidans to develop sustainable energy production and water desalination | **Ricardo Soares**, Institute of Chemical and Biological Technology Antonio Xavier (ITQB NOVA), Portugal

7.03.P-Mo415 Bioelectrochemical treatment wetlands for safeguarding wastewater-borne antibiotic emissions | **Pedro Carvalho**, Aarhus University, Denmark

7.03.P-Mo416 Electrostatic separation of Nanoplastics from wastewater | **Amna Abdeljaoued**, Evonik Operations GmbH, Germany

7.03.P-Mo417 Bioelectricity production by Terrestrial Microbial Fuel Cells using a PAH contaminated river sediment | **Paola Grenni**, CNR-IRSA Rome, Italy

7.03.P-Mo418 Bioelectrochemical systems as a platform for biodegradation and biosynthesis of surfactants | **Grzegorz Pasternak**, Wroclaw University of Science and Technology, Poland

Environmental Toxicology and Chemistry in Africa: Tackling Legacy and Emerging Pollutants| Tarryn Lee Botha, Olawale Otitoju, Iseult Lynch, Beatrice Opeolu

7.04.P-Mo420 Evaluating the Potential Human Health Effects and Impact of Gold Mine Activities on River Osun, Osun State Nigeria | **Gbadebo Adeyinka**, Mangosuthu University of Technology, South Africa

7.04.P-Mo421 Catalytic Ozonation of 4-chlorophenol using Beta-iron oxy hydroxide (β-FeOOH) Nanoparticles: Efficiency and Toxicity Studies | **Beatrice Opeolu**, Cape Peninsula University of Technology, South Africa

7.04.P-Mo423 Comprehensive Monitoring of Surface Water in the QwaQwa Area (South Africa) Combining Chemical and Biological In-Vitro Tests | **Dirk Jungmann**, University of The Free State, South Africa

7.04.P-Mo424 Oxidative Stress Biomarkers of Metal Pollution in the Non-Native Macrophyte, Ceratophyllum demersum, Cape Town, South Africa | **Reinette Snyman**, Cape Peninsula University of Technology, South Africa

7.04.P-Mo426 Speciation of Heavy Metals and Health Risk Analysis In Some Selected Agricultural Zones In Taraba State Nigeria | **Olawale Otitoju**, Federal University Wukari, Nigeria

7.04.P-Mo428 Origin and chemical characterization of atmospheric pollution (PM2.5) in Dakar (Senegal). | **Anthony Verdin**, Université du Littoral Côte d'Opale, France

7.04.P-Mo429 Chemical characterization and in vitro toxicological effects of atmospheric pollution (PM2.5) collected in Cotonou, Benin | **Anthony Verdin**, Université du Littoral Côte d'Opale, France

Virtual-Only Presentations

Virtual-only presentations are not linked to a day and are viewable during the entire meeting (and up to three months after the meeting). Visit the meeting platform to view all virtual-only presentations.

Daphnia- The Good, the Bad, and the New?| Katie Reilly, Susana Loureiro, Maria Luisa Fernandez-Cruz, Konstantinos Grintzalis

1.04.V-01 Evaluation of possible cardio- and neuro-toxic effects by methyl, ethyl, butyl, or propyl parabens in Daphnia magna | **Woo Keun Kim**, Korea Institute of Toxicology (KIT), Korea, Republic of (South)

1.04.V-02 Transgenerational response to novel chemicals in Daphnia: implications for remediating chemical mixtures | **Muhammad Abdullahi**, University of Birmingham, United Kingdom

1.04.V-03 Transcriptional responses of Daphnia magna to sublethal Cu and Zn exposures | **Berkay Paylar**, Varbergagatan 226, Sweden

1.04.V-04 Computer Classification Methods for Gene Selection in Daphnia magna Toxicogenomics | **Berkay Paylar**, Varbergagatan 226, Sweden

Micro (Nano)Plastics: Occurrence, Fate, Uptake, and Mechanistic Approaches to Understand Their Risk for the Environment and Human Health| Carlos Edo, Francisca Fernandez-Pinas, Miguel Oliveira, Craig Warren Davis

1.09.V-01 Accumulation in soft body, histological alternation, and cytotoxicity caused by exposures to two types of microplastics in the Mediterranean mussel (Mytilus galloprovincialis) | **Won-Seok Kim**, Chonnam National University, Korea, Republic of (South)

1.09.V-02 Leaching of Microplastic Constituents in Aqueous Medium; aquatic toxicity on marine and freshwater organisms | **Josipa Papac Zjacic**, University of Zagreb, Croatia

1.09.V-03 Influence of Photooxidative Aging on the Aquatic Toxicity of Microplastic Tested on Freshwater Organisms | **Josipa Papac Zjacic**, University of Zagreb, Croatia

Ecosystems Responses Under a Multiple Stressors Scenario in a Rapidly Changing Climate (Part I: effects, adaptations, in vitro, population-level)| Joan Artigas, Julie Verheyen, Ana Marta Goncalves, Kevin Brix

2.06.V-01 Global Climate Change Increases the Impact of Pollutant Mixtures in the Model Species Paracentrotus Lividus | **Juan Ignacio Bertucci**, Centro Oceanográfico de Vigo - IEO- CSIC, Spain

Ecosystems Responses Under a Multiple Stressors Scenario in a Rapidly Changing Climate (Part III: environnemental risk, modelling, ecosystem-level)| Jannicke Moe, Liza-Marie Beckers, Paul van den Brink, Joan Artigas

2.08.V-01 Climate Change and Atmospheric Deposition as Drivers of Forest Ecosystem Integrity and Services: A Modelling Approach Crossing Different Spatial Scales | **Winfried Schröder**, Planwerk, Germany

Soil Function and Biodiversity: Impacts and Resilience Under Stressed Environments| Susana Loureiro, Chioma Blaise Chikere, M. Nazaret Gonzalez-Alcaraz, Chidinma Peace Okafor

2.16.V-01 Ag2S NP accumulation in the mealworm Tenebrio molitor and the woodlouse Porcellio scaber: are single-species tests a good predictor of indoor mesocosm experiments? | **Zahra Khodaparast**, University of Aveiro, Portugal

2.16.V-02 Earthworms under plastic debris and environmental stress. The case of agricultural microplastics | **Esperanza Huerta Lwanga**, Wageningen University & Research, Netherlands

Application of Biomonitoring Approaches to Support Surveillance of Chemical Exposure in the Environment| Thomas Miller, Leon Barron, Nicolas Bury, Stewart Owen

3.04.V-01 Time trends in PCB and PBDE congeners and in ΣPCBs and ΣPBDEs residue concentrations in the common buzzard Buteo buteo in the Netherlands 1994-2020 in relation to restrictions on chemicals use. | **Paola Movalli**, Naturalis Biodiversity Center, Netherlands

3.04.V-02 Comparison of the Accumulation of Atmospherically Deposited Metals and Nitrogen in Mosses Collected throughout Germany with Data from Emission Inventories and Deposition Models | **Winfried Schröder**, University of Vechta, Germany

3.04.V-03 Pollution induced alterations in the motility of mussel hemocytes: an in field study | **Maria Giulia Lionetto**, University of Salento, Italy

Advances in Environmental Risk Assessment of Chemicals| Daniel Bruce Pickford

4.01.V-01 Are existing bioconcentration models for earthworms able to account for inter-species differences in pesticide uptake from soil? | **Jun Li**, University of York, United Kingdom

Antimicrobials in the Environment – A Threat to Environmental and Human Health?| Laura Carter, J Brett Sallach, Aimee Kaye Murray

4.02.V-01 Effects of Erythromycin and Roxithromycin on River Periphyton: Structure, Functions and Metabolic Pathways | **Ning Ding**, Northwest University, China

4.02.V-02 Metagenomic Analysis Reveals the Spatio-Temporal Shifts of Microbial Community in an Urban River System Contaminated by Macrolide Antibiotics | **Jiahua Guo**, Northwest University, China

Environmental Risk Assessment of Organic and Inorganic UV filters| Carys Louise Mitchelmore, Amelie Ott, Iain Davies

4.07.V-01 Aquatic risk assessment of product-released engineered nanomaterials (PR-ENMs) from personal care products | **Mbuyiselwa Moloi**, University of the Free State, South Africa

Circularity, Recycling and Multi-Functional Systems| Tomas Ekvall, Peter Hodgson, Jon McKechnie, Cecile Bessou

5.01.V-01 Human toxicity assessment of Waste Electric and Electronic Equipments (WEEE) recycling process | **Ana Salles**, Fraunhofer Institute for Chemical Technology ICT, Germany

5.01.V-02 Combination of Life Cycle Assessment and Process Simulation to Improve Recycling Processes and Scale-up | **Yvonne Kaye Perocillo**, University of Liege, Belgium

Guidance for LCA of Recycling Abiotic and Biobased Materials and for the Transition to a Resilient Low Carbon, Resource-Efficient and Circular Economy| Peter Saling, Guido Sonnemann

5.02.V-01 Is Circular Economy Truly Sustainable? Robust Comparative LCA of Circular Pavement Designs Using a Probabilistic Approach | **Zhi Cao**, University of Antwerp, Belgium


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Tuesday 2 May

TUESDAY SCHEDULE		
07:30–19:15	Cloakroom	
08:00–08:45	Poster Setup	Exhibition Hall (The Forum)
08:00–11:30	**Job Event** (pre-registration needed)	**Wicklow Meeting Room 4 (Level 02)**
08:00–18:30	Badge Pick-up and Registration	Registration Area (Ground Floor Foyer)
08:00–17:00	Speaker Ready Room Open	Liffey Boardroom 3 (Level 01)
08:00–17:00	JRF Global – Individual Customer Meetings	Liffey Meeting Room 5 (Level 01)
08:00–17:00	Scymaris – Individual Customer Meetings	Liffey Board Room 4 (Level 01)
08:45–10:05	**Presentation Sessions**	
10:05–10:45	Coffee & Poster Break	Exhibition Hall (The Forum)
10:45–12:05	**Presentation Sessions**	
12:00–14:00	Founding Steering Committee Meeting for the Persistence Interest Group (PIG)	Liffey Meeting Room 4 (Level 01)
12:05–13:35	Lunch & Poster Break	Exhibition Hall (The Forum)
12:05–13:35	**Student Lunch Seminar**	**Level 3 West Wing (Level 03)**
12:05–13:35	Walking and Running Tour	
12:05–13:35	Agilent Sponsored Lunch Seminar - Analytical Advances in the Analysis of PFAS, Microplastics and VOCs	Liffey Meeting Room 1 (Level 01)
12:05–13:35	Bayer Sponsored Lunch Seminar - Coming to an Off-Crop Near You: The Future of Spray Drift Risk Assessment	Wicklow Meeting Room 2 (Level 02)
12:05–13:35	Sciex Sponsored Lunch Seminar - Introducing Novel Mass Spectrometry Techniques and Their Applications for Environmental Analysis	Wicklow Meeting Room 1 (Level 02)
12:05–15:35	Histopathologic Evaluation and Data Interpretation in Fish and Amphibian Endocrine Studies Workshop (Lunch Provided) - Registration Needed	Wicklow Meeting Room 3 (Level 02)
13:00–18:00	Life Cycle Sustainability Assessment - How to Integrate the Results of Sustainability Domains	Wicklow Meeting Room 4 (Level 02)
13:35–14:55	**Presentation Sessions**	
14:55–15:35	Coffee & Poster Break	Exhibition Hall (The Forum)
15:00–16:00	ERGO Consortium Meeting	Wicklow Meeting Room 5 (Level 02)
15:35–16:35	**Topical Discussions**	
16:00–17:00	IBERA Information Session: Global Certification Program for Environmental Risk Assessors by the International Board of Environmental Risk Assessors	Liffey Meeting Room 1 (Level 01)
16:00–17:00	Sediments Interest Group Meeting	Wicklow Meeting Room 1 (Level 02)
16:30–18:30	Nanotechnology Interest Group Meeting	Wicklow Meeting Room 2 (Level 02)
16:35–16:45	Break	Exhibition Hall (The Forum)
16:45–17:45	**SETAC Science Slam**	**The Liffey B (Level 01)**
16:45–18:30	LCA Interest Group Meeting	Liffey Meeting Room 4
17:00–18:00	Effect Modeling Interest Group (SEIGEM) Meeting	Liffey Meeting Room 1 (Level 01)
17:00–18:00	Global Soils Interest Group Meeting	Wicklow Meeting Room 1 (Level 02)
17:50–18:50	PhIG Steering Committee Meeting	Wicklow Meeting Room 3 (Level 02)
17:45–18:45	**Poster Social & Poster Corners**	**Exhibition Hall + Foyer Levels 1,2 and 3**
18:00–20:00	Metals Interest Group Meeting	EcoCem Room (Level 02)
19:45–23:00	**Student Mixer**	**Trinity College Dublin - Dining Hall**

The event will also be live streamed on the virtual platform.

Tuesday 2 May

Topical Discussions

TUESDAY TOPICAL DISCUSSION SESSIONS | 15:35–16:35	
Proxy measurands for Nanoplastics. Should development of standards go in this direction? | Andrea Valsesia, Wendel Wohlleben, Meredith Seeley	Liffey Hall 1 (Level 01)
Separating art from artefact in micro- and nanoplastic exposure: what do we know and where do we go? | Stephanie Wright, Kevin Thomas, Denise Mitrano, Bart Koelmans	Liffey Hall 2 (Level 01)
LCA academia and practice: a match made at SETAC | Marisa Vieira, Ana Morão, Ralph Rosenbaum	Wicklow Hall 1 (Level 02)
The Global biodiversity Framework: How can we reconcile the chemical sector with a nature-positive future | Marie-Hélène Enrici, Sabine Apitz, Hans Sanderson, Peter Dohmen	Wicklow Hall 2B (Level 02)

SETAC Science Slam

16:45–17:45 | The Liffey B (Level 01)

Vote for SETAC Science Slammer of the year!

The SETAC Science Slam is returning with entertaining performances from creative scientists who will compete for the title of 'SETAC Science Slammer of 2023'.

During the SETAC Science Slam, 4 slammer acts have the opportunity to present their research while showing off their entertaining skills, charming the audience and ultimately winning their votes. The goal is to present their complex research topics in a fun, understanding and entertaining way, keeping it short, sweet and scientifically sound!

Don't miss this amusing show and vote for your favourite!

Programme:

- Alyssa Wicks – **One cup PFAS, a tablespoon of flame retardants and a pinch of heavy metals: Baking up firefighter station wear**
- Katie Reilly – **Daphnia Dating in Dublin: Sensing the water**
- David Mennekes – **Safe hiking trails in Switzerland – from a microplastics perspective**
- John Hader – **We've polluted Earth – let's not pollute Mars too**

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★ Special Session

13:35–14:55 | Wicklow Hall 1 (Level 02)

8.03 - The European Green Deal (Chemicals Strategy for Sustainability)

Michelle Michelle Bloor and the High Level Roundtable for Chemical Management and Sustainability

Since 2020, SETAC Europe has held Special Sessions on different aspects of the European Green Deal's Chemicals Strategy for Sustainability (CSS). In 2020, we discussed the CSS's key definitions. In 2021, we explored the knowledge gaps and communication-related obstacles for the implementation of the CSS. In 2022, we considered how to achieve a transparent, coherent and simplified regulatory process, including the criteria for safe and sustainable chemicals, and what to include in a strategic research and innovation agenda. We also discussed how to increase communication between human health and environmental disciplines.

Strengthening the science to policy interface is one of the key strategic goals of SETAC Europe, which is why the organisation became a member of the High Level Roundtable for the implementation of the CSS in 2021, and the CSS Special Sessions feed into that process, by fostering a communication channel with the society's membership. Since 2020, the Special Session's focus and discussion has fed-forward from the previous year's event. For 2023, it is proposed that the Special Session will again move the conversation forward and address several key questions, which were identified through the 2022 discussion:

1. How do we avoid misuse of the phrase 'science-based', what does it mean, is all data useful data, and what level of information is sufficient to make informed decisions"?
2. Multidisciplinary and transdisciplinary solutions are called for, but how do we (as SETAC members and stakeholders) facilitate and achieve truly effective collaborations between different disciplines involved in the design, production, and assessment of chemicals, on what topics, and to what end?
3. Which elements should be included in a modernised chemicals risk and alternatives assessment processes appropriate for the CSS's stated goals? How to prioritise the investment of efforts between high-throughput hazard screening using 'simplified' NAMs-based approaches, and the more holistic, spatially and temporally resolved analyses needed to assess ecological effects of chemical mixtures in the environment? What are the CSS's key science-data gaps to both inform decisions on chemicals and shape future chemicals that are Safe and Sustainable by Design?
4. What are the CSS's key science-data gaps to both inform decisions on chemicals and shape future chemicals that are Safe and Sustainable by Design?

Tuesday Platform Presentations Morning 1

	08:50	09:05	09:20
Liffey A	**Legacy, Emerging and Novel Per- and Polyfluoroalkyl Substances (PFASs): Latest Findings and Future Research Needs**| ...		
	3.16.A.T-01 Polar and Nonpolar Interactions That Determine the Partition Properties of Neutral PFAS | **Satoshi Endo**, National Institute for Environmental Studies, Japan	**3.16.A.T-02** Finding a Way Out? Biotransformation Study of Novel Fluorinated Surfactants | **Viktória Licul-Kucera**, University of Amsterdam, Hochschulen Fresenius gem. Trägergesellschaft mbH, Netherlands, Germany	**3.16.A.T-03** Development of Protein-Water and Membrane Water Partition Coefficients for Target and Suspect PFAS | **Derek Muensterman**, Oregon State University, USA
Liffey B	**Current State-Of-the Art in Understanding the Occurrence and Implications of Plastics in Terrestrial Environments**| ...		
	3.08.A.T-01 Validation of microplastic accumulation in agricultural fields receiving sludge from wastewater treatment plants | **Nanna Klemmensen**, Aalborg University, Denmark	**3.08.A.T-02** Investigating the Co-occurrence of Macroplastics, Microplastics, and Plasticisers in UK Soils | **Alex Billings**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**3.08.A.T-03** Microplastic Interaction with Soil Water - Visualization and Quantification with dual Neutron and X-ray imaging | **Andreas Cramer**, ETH Zürich, Switzerland
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger		
	5.04.A.T-01 A comparative AB-LCA evaluation of a policy instrument to source agricultural biomass for biofuels | **Raül López i Losada**, Lund University, Sweden	**5.04.A.T-02** Development of an easy-to-implement pesticide-related food product label: potential and limitations | **Cédric Furrer**, Agroscope, Switzerland	**5.04.A.T-03** From A Farm Specific Diagnosis Tool To Farm Specific Improvement Paths And A Prioritisation Of Subsidies | **Veerle Van linden**, Flanders' Institute for Agricultural, Fisheries and Food Resaerch, Belgium
Liffey Hall 2	**Polymer Additives and Their Transformation Products as Chemicals of Emerging Concern: Environmental Emissions, Fate Processes, and Impacts**| ...		
	3.21.A.T-01 Assessing the Effects of Acute and Pulsed Exposures of 6PPDq on Brook trout (Salvelinus fontinalis) Fingerlings and Fry | **Danielle Philibert**, Huntsman Marine Science Centre, Canada	**3.21.A.T-02** Uptake and transformation kinetics of the tire rubber-derived contaminant 6-PPD and 6-PPD quinone in the zebrafish embryo (Danio rerio) | **Qiuguo Fu**, Helmholtz Centre for Environmental Research – UFZ, Germany	**3.21.A.T-03** Toxicity of 6PPD-quinone to Early-life Stage Rainbow Trout | **Catherine Roberts**, University of Saskatchewan, Canada
Liffey Meeting Room 2	**Advances in Exposure Modelling Towards Data-Driven Decision-Making**| Antonia Praetorius, Sam Harrison, Joris T.K. Quik, Stephen Lofts		
	3.02.T-01 Plastics in the environment using mass flow analysis, including degradation, accumulation and environmental dispersion | **Anna Schwarz**, TNO, Netherlands	**3.02.T-02** Country-Wide Prediction of (Micro-) Plastics in Freshwaters | **David Mennekes**, Empa – Swiss Federal Laboratories for Material Science and Technology, Switzerland	**3.02.T-03** Application of real world data to refine runoff exposure - Australian situation | **Christopher Lee-Steere**, Australian Environment Agency Pty Ltd, Australia
EcoCem Room	**Are the Sub-Individual Responses Translated Into Effects to the Higher Level of Biological Organization?**| ...		
	2.04.T-01 Pollution-induced community tolerance in freshwater biofilms – from molecular mechanisms to loss of community functions | **Stefan Lips**, Helmholtz Centre for Environmental Research - UFZ, Germany	**2.04.T-02** Reduced interspecific competition compensates the costs of pesticide adaptation in a dominant aquatic species | **Ayesha Siddique**, Helmholtz Centre for Environmental Research – UFZ, Germany	**2.04.T-03** Linking individual responses to collective outcomes: does exposure to fluoxetine disrupt the collective behaviour of fish? | **Marcus Michelangeli**, Monash University, Swedish University of Agricultural Sciences, Australia, Sweden
Wicklow Hall 1	**Passion for Pollinators: A Decade on the New EFSA Bee Guidance Document and Its Implementation for Pollinator Risk Assessment**| ...		
	6.08.T-01 Bee Guidance Document of EFSA, 2023 | **Csaba Szentes**, European Food Safety Authority (EFSA), Italy	**6.08.T-02** A stakeholder's view on the proposed updated regulatory guidance for bees in Europe: An industry perspective | **Mark Miles**, Bayer AG, United Kingdom	**6.08.T-03** Sublethal Effects in Honey Bee Risk Assessment | **Jacoba Wassenberg**, Ctgb, Netherlands
Wicklow Hall 2A	**Alternative Approaches to Animal Testing for Ecotoxicity Assessments: Exploring Approaches and Avenues for the Future**| ...		
	1.01.A.T-01 EcoToxChip Test System: A Toxicogenomic New Approach Method (NAM) for Chemical Prioritization and Environmental Management | **Nil Basu**, McGill University, Canada	**1.01.A.T-02** Transcriptomic profile of protein-coding genes across multiple life stages of six ecologically relevant vertebrate species | **Krittika Mittal**, McGill University, Canada	**1.01.A.T-03** Development of a Novel Computational Pipeline to Identify Biomarkers of Reproductive Toxicity in Fish | **Roman Li**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland
Wicklow Hall 2B	**One Health Next Generation Wastewater Management and Reuse: The Role of Non-target and Retrospective Analysis, Bioassays, and Wastewater Surveillance**| ...		
	3.18.T-01 Microbiota as Drivers and Markers of Water and Soil Pollution and Recovery | **Benjamin Pina**, Institute of Environmental Assessment and Water Research (IDAEA) Spanish Research Council (CSIC), Spain	**3.18.T-02** Environmental proteomics in wastewater-based monitoring. Determination of large biomolecules as biomarkers of population health and activities. | **Montserrat Carrascal**, Institute of Biomedical Research of Barcelona, Spanish National Research Council (IIBB-CSIC/IDIBAPS), Spain	**3.18.T-03** Operational Invertebrate Behaviour Videotracking for Real-Time Wastewater Surveillance and Management | **George Ruck**, National Research Institute for Agriculture, Food and Environment (INRAE), France
Level 3 East Wing	**Risk Communication for Decision-Making: The Role of Community-Contact, Nature-Positive Outcomes, and Risk-Perception**| ...		
	6.11.T-01 Holistic LCA of Impact AND Benefit Assessment | **Mathilde Vlieg**, Malaika LCT, Spain	**6.11.T-02** How to manage and confront with the public perception in Italian sites in contaminated by Per-and PolyFluoroalkyl Substances (PFAS) | **Stefano Polesello**, Water Research Institute - Italian National Research Council IRSA-CNR, Italy	**6.11.T-03** Stakeholder Dialogue as Risk Management on a National Scale | **Katharina Halbach**, German Environment Agency (UBA), Germany

	09:35	09:50
Liffey A	| Zhanyun Wang, Ian Cousins, Yue Ge, Hitoshi Iwahashi	
	3.16.A.T-04 Characterizing the Flow of Perfluoroalkyl Substances in an Avian Aquatic-Terrestrial Food Web | **Kim Fernie**, Science & Technology Branch, Canada	**3.16.A.T-05** Multigenerational Toxicity of Per- And Polyfluoroalkyl Substances (PFAS) To Daphnia Magna and Folsomia Candida | **Ge Xie**, Vrije Universiteit Amsterdam, Netherlands
Liffey B	| Elma Lahive, Geert Cornelis, Denise M Mitrano, Joaquim Rovira	
	3.08.A.T-04 Effects of particle size and surface charge density on the transport of nanoplastic particles through porous media under unsaturated conditions | **Cynthia Rivas**, IMDEA Water, Spain	**3.08.A.T-05** Microplastics in soil systems, from source to path to protection goals | **Melvin Faber**, National Institute for Public Health and the Environment (RIVM), Netherlands
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger	
	5.04.A.T-04 LCA Tool to Explore Emission Mitigation Options of Pig and Cattle Production at Farm Gate | **Annika Erjavec**, 2.-0 LCA consultants, Denmark	**5.04.A.T-05** Life cycle analysis to determine the trade-offs between food waste reduction and the implementation of monitoring technologies | **Tamiris da Costa**, University College Dublin, Ireland
Liffey Hall 2	| Cassandra Johannessen, Markus Brinkmann, Steve Wiseman	
	3.21.A.T-04 Acute Cardiometabolic Responses of Juvenile Salmonids Exposed to 6PPD-Quinone | **Summer Selinger**, University of Saskatchewan, Canada	**3.21.A.T-05** Prioritization of consumer plastics for further testing based on artificial weathering combined with bioanalytical and chemical screening | **Mara Römerscheid**, Helmholtz Centre for Environmental Research - UFZ, Germany
Liffey Meeting Room 2	**Advances in Exposure Modelling Towards Data-Driven Decision-Making**| Antonia Praetorius, Sam Harrison, Joris T.K. Quik, Stephen Lofts	
	3.02.T-04 Deconstructing sources of aquatic toxicity for the hundreds of pesticides in use, irrigation impacts, and exposure at scale | **Nicol Parker**, University of California Santa Barbara, USA	**3.02.T-05** How confidently can current computational models evaluate ecological and human exposure to the myriad of chemicals in commerce? | **Zhizhen Zhang**, University of Nevada, Reno, USA
EcoCem Room	| Ana-Belen Muniz-Gonzalez, Ana Marta Goncalves, Isabel Campos, Nelson Abrantes	
	2.04.T-04 Linking subtle individual responses to population level effects of pharmaceutical exposure in an outdoor mesocosm | **Elien Versteegen**, Wageningen University & Research, Netherlands	**2.04.T-05** Networks in aquatic communities collapse upon neonicotinoid-induced stress | **Henrik Barmentlo**, Universiteit Leiden, Netherlands
Wicklow Hall 1	| Stefan Kimmel, Johannes Lückmann, Csaba Szentes	
	6.08.T-04 Testing chemicals for time-reinforced toxicity on honeybees based on GUTS modelling | **Andreas Focks**, Osnabrück University, Germany	**Poster spotlight** 6.08.P-Tu400, 6.08.P-Tu401, 6.08.P-Tu402
Wicklow Hall 2A	| Adam Lillicrap, Teresa J Norberg-King, Kristin Schirmer	
	1.01.A.T-04 Time-Resolved Acute Toxicity Testing With Fish Cells Under Flow Conditions in the RainbowFlow CHIP Biosensor | **Jenny Maner**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**Poster spotlight** 1.01.P-Tu001, 1.01.P-Tu002, 1.01.P-Tu003
Wicklow Hall 2B	| Viviane Yargeau, Despo Fatta-Kassinos, Damià Barceló, Susan T. Glassmeyer	
	3.18.T-04 Nutrient Recycling from Urine and Faeces: Problematic of Micropollutants | **Christa McArdell**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**3.18.T-05** Development of a Reusable Super-Biochar With Antibiotics Degradation Capacity | **Adekunle Faleye**, Umea University, Sweden
Level 3 East Wing	| Ellise Marissa Suffill, Dorinda Silva, Mathilde Vlieg	
	6.11.T-04 NaturePositive+ Ecolabelling & Transparency Reporting | **Delwyn Jones**, Ecquate Pty Ltd, Australia	**Poster spotlight** 6.11.P-Tu417, 6.11.P-Tu418, 6.11.P-Tu419

COFFEE & POSTER BREAK

Tuesday Platform Presentations Morning 2

	10:50	11:05	11:20
Liffey A	**Legacy, Emerging and Novel Per- and Polyfluoroalkyl Substances (PFASs): Latest Findings and Future Research Needs**| ...		
	3.16.B.T-01 Applications of Non-Targeted Analysis in PFAS Investigations | **James McCord**, U.S. Environmental Protection Agency, USA	**3.16.B.T-02** Closing the Organofluorine Mass Balance in Marine Mammals with Suspect Screening and Machine Learning-Based Semi-Quantification | **Melanie Lauria**, Stockholm University, Sweden	**3.16.B.T-03** Fluorine mass-balance in pooled serum samples from northern Norwegian men and women between 1986 and 2015 | **Lara Cioni**, UiT The Arctic University of Norway, NILU- Norwegian Institute for Air Research, Norway
Liffey B	**Current State-Of-the Art in Understanding the Occurrence and Implications of Plastics in Terrestrial Environments**|...		
	3.08.B.T-01 Biodegradable Mulch Films in Agricultural Soils: Analytical Advancements and Biodegradation Dynamics Across Incubation Scales | **Flora Wille**, ETH Zürich, Switzerland	**3.08.B.T-02** Effects of starch-PBAT blend microplastics on soil organisms, microbial functioning and soil physicochemical properties in a mesocosm study | **Sam van Loon**, Vrije Universiteit Amsterdam, Netherlands	**3.08.B.T-03** Pure micro- and macro-LDPE and PP plastic negatively affect crop biomass and nutrient cycling, and reduce soil moisture and microbial biomass with increasing concentration | **Martine Graf**, Bangor University, United Kingdom
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger		
	5.04.B.T-01 Relevance for society and decision-support of attributional and consequential life cycle assessment | **Thomas Schaubroeck**, Luxembourg Institute of Science and Technology (LIST), Luxembourg	**5.04.B.T-02** Is data sharing in LCA FAIR? | **Agneta Ghose**, Aalborg University, Denmark	**5.04.B.T-03** Life cycle assessment, quo vadis? Is there one right way of performing LCA? Preliminary results from a survey. | **Miguel Brandão**, KTH - Royal Institute of Technology, Sweden
Liffey Hall 2	**Polymer Additives and Their Transformation Products as Chemicals of Emerging Concern: Environmental Emissions, Fate Processes, and Impacts**| ...		
	3.21.B.T-01 Improved Kinetic and Mechanistic Understanding of Atmospheric Chemical Transformations of Polymer Additives Through Laboratory Studies | **John Liggio**, Environment and Climate Change Canada, Canada	**3.21.B.T-02** Plant Uptake and Metabolism of Tire-derived Compounds | **Anya Sherman**, University of Vienna, Austria	**3.21.B.T-03** Products and Reaction Pathways of the Multiphase OH Radical Oxidation of 2-Ethylhexyl Phthalate in Pure Films and Indoor Dust | **William Fahy**, University of Toronto, Canada
Liffey Meeting Room 2	**Measuring, Modelling, and Monitoring the Environmental Fate and Exposure of Pesticides**| Bernhard Jene, Pauline Iris Adriaanse, Michael Stemmer		
	3.17.T-01 Determining the Fraction of Global Freshwater Ecosystem Carrying Capacities Exceeded by Pesticide Use | **Marissa Kosnik**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**3.17.T-02** Leveraging SWAT+' New Landscape Routing, Conditional Management, and Pesticide Functionalities | **Jens Kiesel**, Stone Environmental, Inc., Germany	**3.17.T-03** The effect of alternative synthetic hydrographs when quantifying pesticide mitigation efficiencies with VFSMOD in exposure assessments | **Rafael Muñoz-Carpena**, University of Florida, USA
EcoCem Room	**Multi-Purpose Use of Wastewater Based Epidemiology for Assessing and Evaluating Public Health Status: Challenges and Opportunities on a Global Scale**| ...		
	7.05.T-01 Use of a freshwater bivalve to assess the viral risk of water bodies | **Julie Do Nascimento**, Université de Reims Champagne-Ardenne (URCA), France	**7.05.T-02** Assessing the Exposure of Italian Population to Food Contaminants Through Wastewater-Based Epidemiology | **Noelia Salgueiro-Gonzalez**, Istituto di Ricerche Farmacologiche Mario Negri, Italy	**7.05.T-03** Application of Wastewater-Based Epidemiology as a Tool to Assess Public Health – A Case Study in the UK during SARS-CoV-2 Pandemic | **Nicola Ceolotto**, University of Bath, United Kingdom
Wicklow Hall 1	**Arthropods at Risk? Current and Future Perspective on Insect Ecotoxicology**| Stefan Kimmel, Ivo Roessink, Jacoba Wassenberg		
	2.05.T-01 Effects of Clothianidin and Flupyradifurone on Bumblebee Colony Development at Fluctuating Ambient Temperature | **Katrine Borga**, University of Oslo, Norway	**2.05.T-02** Comprehensive Lipid Profiling to Study the Effect of the Growth Inhibitor Insecticide Teflubenzuron on the Non-target species Folsomia candida over time | **Diana Ilyaskina**, Vrije Universiteit Amsterdam, Netherlands	**2.05.T-03** Exploring plasticisers mix physiological impacts on the moth larvae Spodoptera littoralis (Noctuidae) | **Johanna Rivas**, Sorbonne Université, France
Wicklow Hall 2A	**Alternative Approaches to Animal Testing for Ecotoxicity Assessments: Exploring Approaches and Avenues for the Future**| ...		
	Poster spotlight 1.01.P-Tu004, 1.01.P-Tu005, 1.01.P-Tu006	**1.01.B.T-01** Grouping chemicals into mode of action (MoA) classes - A semi-automated (neuro)developmental toxicity assay using zebrafish embryos | **Riccardo Massei**, Helmholtz Centre for Environmental Research – UFZ, Germany	**1.01.B.T-02** A high-throughput analytical workflow to assess specific toxicokinetic behavior of xenobiotics in zebrafish embryos | **Nico Grasse**, Helmholtz Centre for Environmental Research – UFZ, Germany
Wicklow Hall 2B	**Novel Methods and Approaches for Assessing Effluents, Chemicals Toxicity and Surface Water to Support Regulations**| ...		
	1.11.T-01 DECIDE - An Ecotoxicological Assessment System for Rivers | **Delia Hof**, Goethe University Frankfurt, Germany	**1.11.T-02** Application of real-time biological early warning systems in wastewater treatment plants: A new opportunity to monitor changing wastewater composition? | **Miriam Langer**, University of Applied Sciences and Arts Northwestern Switzerland - FHNW, Switzerland	**1.11.T-03** Considerations for the Use of Behavioral Endpoints and Methods as a Line of Evidence in Regulatory Toxicity Testing | **William Goodfellow**, Exponent Inc., USA
Level 3 East Wing	**Reducing Marine Pollution and the Role of Ocean Governance on the Road to Sustainability**| Mathijs Smit, Ioanna Katsiadaki, Kari K. Lehtonen, Nicola Geary		
	4.12.T-01 Assessing Characteristics, Uses, and Potential Environmental Impact of Plastic Remediation Technologies | **Giulia Leone**, University of Ghent, Belgium	**4.12.T-02** An Effect Assessment of Chemical Contaminants From the Salmonid Aquaculture Industry | **Aoife Parsons**, Havforskningsinstituttet/Institute of Marine Research, Norway	**4.12.T-03** An effect-based toolbox for petroleum toxicity testing evaluated for hazard assessment | **Sarah Johann**, Goethe University Frankfurt, Germany

Tuesday Platform Presentations Morning 2

	11:35	11:50
Liffey A	| Zhanyun Wang, Ian Cousins, Yue Ge, Hitoshi Iwahashi	
	3.16.B.T-04 Dermal Bioaccessibility of Per- And Polyfluoroalkyl Substances (PFAS) From House Dust; Influence of Topically Applied Cosmetics | **Oddný Ragnarsdóttir**, University of Birmingham, United Kingdom	**3.16.B.T-05** Presentation TBD
Liffey B	| Elma Lahive, Geert Cornelis, Denise M Mitrano, Joaquim Rovira	
	3.08.B.T-04 Plastic Mulch And Pesticides Residues Effecting The Lettuce Growth: The Soil Microbiome Perspective | **Fanrong Meng**, Wageningen University & Research, Netherlands	**3.08.B.T-05** Disentangling Microplastics Effects on Oxygen Diffusion, Microbial Activity and Greenhouse Gas Emissions | **Jonathan Nunez**, ETH Zürich, Switzerland
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger	
	5.04.B.T-04 Using LCA as a tool for investigating and enhancing the net negative emission potential of climate positive technologies | **Shraddha Mehta**, SINTEF Ocean, Norway	**Poster spotlight** 5.04.P-Tu381, 5.04.P-Tu382, TBD
Liffey Hall 2	| Cassandra Johannessen, Markus Brinkmann, Steve Wiseman	
	3.21.B.T-04 Formation potential and in-vitro toxicity of chlorinated disinfection by-products of the polymer additive 1,3-diphenylguanidine (DPG) | **Mauricius Marques dos Santos**, Nanyang Technological University, Singapore	**3.21.B.T-05** Are Wastewater Treatment Plants an Effective Barrier Against Tire Leachables?-Biotransformation and Screening Experiment | **Kathrin Müller**, Hochschule Fresenius, Germany
Liffey Meeting Room 2	**Measuring, Modelling, and Monitoring the Environmental Fate and Exposure of Pesticides**| Bernhard Jene, Pauline Iris Adriaanse, Michael Stemmer	
	3.17.T-04 Harmonised Framework for the Spatially Distributed Leaching Modelling of Pesticides Initiative: A 2023 update | **Aaldrik Tiktak**, PBL Netherlands Environmental Assessment Agency, Netherlands	**3.17.T-05** Contextualisation of Groundwater Monitoring Detections of Plant Protection Products: Observations from Site Elucidations | **Andrew Newcombe**, Arcadis, USA
EcoCem Room	| Lubertus Bijlsma, Laura M Langan, Abigail Henke, Sara Castiglioni	
	7.05.T-04 Estimation of Alcohol Consumption in the Spanish Population through the Analysis of Ethyl Sulfate in Wastewater | **Rocío Inés Bonansea**, IDAEA-CSIC, Spain	**Poster spotlight** 7.05.P-Tu433, 7.05.P-Tu434, 7.05.P-Tu435
Wicklow Hall 1	**Arthropods at Risk? Current and Future Perspective on Insect Ecotoxicology**| Stefan Kimmel, Ivo Roessink, Jacoba Wassenberg	
	2.05.T-04 Practical Implementation of the Assessment of Invertebrate Behavior and Its Use in Behavioral Ecotoxicology | **Laura Soose**, Goethe University Frankfurt, Germany	**2.05.T-05** In-field deposition of a sprayed reference chemical on flying insects: normalization of overspray by surface area or habitat? | **Ivo Roessink**, Wageningen University & Research, Netherlands
Wicklow Hall 2A	| Adam Lillicrap, Teresa J Norberg-King, Kristin Schirmer	
	1.01.B.T-03 Predicting ecotoxicity across taxa through machine learning | **Christoph Schuer**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**1.01.B.T-04** Ongoing status of the regulatory acceptance of New Approach Methodologies in the EU | **Leonie Mueller**, Altertox, Germany
Wicklow Hall 2B	| Gerd Maack, Chloe Eastabrook, Simon Schmid, Michael Grant Bertram	
	1.11.T-04 Effect-directed Analysis of a Complex Mixture of Polyaromatic Compounds from Contaminated Soil using Bioassays and Zebrafish Embryos (Danio rerio) | **Greta Nilen**, Örebro University, Sweden	**1.11.T-05** Combined use of transcriptomics and proteomics as an evaluation tool of environmental toxicity in a beluga whale (Delphinapterus leucas) population highly exposed to contaminants | **Antoine Simond**, Simon Fraser University, Canada
Level 3 East Wing	**Reducing Marine Pollution and the Role of Ocean Governance on the Road to Sustainability**| Mathijs Smit, Ioanna Katsiadaki, Kari K. Lehtonen, Nicola Geary	
	4.12.T-04 Ecotoxicological effects of marine scrubbers' discharge on multi-domain microbial communities at molecular biodiversity test endpoints | **Savvas Genitsaris**, National and Kapodistrian University of Athens, Greece	**4.12.T-05** Assessing Cumulative Risk of Metals and Polycyclic Aromatic Hydrocarbons from Ship Activities in Ports | **Anna Lunde Hermansson**, Chalmers University of Technology, Sweden

LUNCH & POSTER BREAK

Tuesday Platform Presentations Afternoon

	13:40	13:55	14:10
Liffey A	**Legacy, Emerging and Novel Per- and Polyfluoroalkyl Substances (PFASs): Latest Findings and Future Research Needs**| ...		
	3.16.C.T-01 Enrichment and Emission of Perfluoroalkyl Acids on Nascent Sea Spray Aerosol from the Oceans | **Bo Sha**, Stockholm University, Sweden	**3.16.C.T-02** Environmental distribution and bioaccumulation of understudied PFAS surrounding two fluoropolymer manufacturing sites in Italy and the United States | **Anna Robuck**, U.S. Environmental Protection Agency, USA	**3.16.C.T-03** The Decomposition and Emission Factors of a Wide Range of Per and Polyfluorinated Alkylsubstances (PFAS) in the Dry Pyrolysis of Various Contaminated Organic Waste Fractions | **Erlend Sørmo**, Norwegian Geotechnical Institute (NGI), Norway
Liffey B	**Filling Gaps for Micro- And Nanoplastic Effects and Risk in Multiple Stressed Aquatic Environments**| Ana I Catarino, Anna Tuulikki Kukkola, Stacey L Harper, Jana Asselman		
	2.11.T-01 Effects of nano-, microplastics, and temperature on Crustaceans | **Felix Biefel**, Technical University of Munich, Germany	**2.11.T-02** How do Microplastics Exacerbate Virus-related Mortality in a Commercially Valuable Salmonid Species? | **Meredith Seeley**, National Institute of Standards and Technology (NIST), USA	**2.11.T-03** Multi-stressor effects of chemicals and microplastics in fresh-water environments | **Katie Reilly**, The University of Birmingham, United Kingdom
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger		
	5.04.C.T-01 Review of Life Cycle Assessments for Maritime Fuels | **Megan Roux**, Technical University of Denmark (DTU), Denmark	**5.04.C.T-02** LCA-based EU policies for low-carbon hydrogen deployment: risks and opportunities | **Alessandro Arrigoni**, European Commission - Joint Research Centre, Netherlands	**5.04.C.T-03** Ecodesign approach based on prospective life-cycle assessment, to support R&D decision making for new generations of batteries | **Betsabé Rodríguez Buitrón**, CEA-Liten, France
Liffey Hall 2	**Polymer Additives and Their Transformation Products as Chemicals of Emerging Concern: Environmental Emissions, Fate Processes, and Impacts**| ...		
	3.21.C.T-01 Tire-derived Compounds in the Atmospheric Environment | **Cassandra Johannessen**, Concordia University, Canada	**3.21.C.T-02** Spatial and temporal trends for regulated plasticizers and their emerging substitutes in biota and non-biota samples from German rivers | **Regine Nagorka**, German Environment Agency (UBA), Germany	**3.21.C.T-03** New Alternative Plasticizers in Foodstuffs: Occurrence, Migration from Packaging and Exposure Through Diet | **Julio Fernández-Arribas**, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain
Liffey Meeting Room 2	**New Approaches, Methodologies and Policies in Environmental and Human Health Risk Assessment**| Iseult Lynch, Yue Ge, Alberto Pivato, George Kuttiparichel Varghese		
	4.10.T-01 The Application of the Precautionary Principle in European Union Waste and Chemicals Regulation From a Material Circulation Perspective | **Mirella Miettinen**, University of Eastern Finland, Finland	**4.10.T-02** Uncertainty and precaution in waste management: experimental assessment of the variability generated by waste sampling for classification and disposal | **Giovanni Beggio**, University of Padua, Italy	**4.10.T-03** Vinyl Chloride Enhances High Fat Diet-Induced Proteome Alterations in the Mouse Pancreas Related to Metabolic Dysfunction: Implications for Individual Susceptibility | **Yue Ge**, U.S. Environmental Protection Agency, USA
EcoCem Room	**Progress in Knowledge of Rare Earth Elements**| Susanne Heise, Giovanni Libralato, Nicolas Lachaux, Michael Bau		
	4.11.T-01 Rare Earth Elements binding to goethite: experimental and modeling investigations | **Muhammad Muqeet Iqbal**, University of Rennes 1, France	**4.11.T-02** How does the pH-dependency of the Colloid Structure Affect Rare Earth Elements Mobility in the Environment? | **Yasaman Tadayon**, Université Rennes 1, France	**4.11.T-03** Effects of Sub-Chronic Exposure of Model organism Daphnia magna to Rare Earth Elements La and Gd | **Edith Padilla Suárez**, University of Naples Federico II, Italy

Wicklow Hall 1	13:45	13:50	13:55	14:00	14:05
	★**The European Green Deal (Chemicals Strategy for Sustainability)**| Michelle Bloor, The High Level Roundtable for Chemical Management and Sustainability				
	8.03.T-01 Key question 1: Science-based decision-making (I) | **Sabine Apitz**, Integrated Environmental Assessment and Management, United Kingdom	**8.03.T-02** Key question 1: Science-based decision-making (II) | **Anna Lennquist**, ChemSec, Sweden	**8.03.T-03** Key question 2: Multidisciplinary and transdisciplinary solutions (I) | **Joel Tickner**, University of Massachusetts, Lowell, USA	**8.03.T-04** Key question 2: Multidisciplinary and transdisciplinary solutions (II) | **Leo Posthuma**, National Institute for Public Health and the Environment (RIVM), Netherlands	**8.03.T-05** Key question 3: Modernised chemicals risk and alternatives assessment processes appropriate for the CSS (I) | **Maurice Whelan**, European Commission - Joint Research Centre, Italy

Wicklow Hall 2A	**Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services**| ...		
	7.06.T-01 Conflicting Priorities in the Environmental Risk Management of Plant Protection Pproducts (PPP) | **Gertje Czub**, Federal Office of Consumer Protection and Food Safety (BVL), Germany	**7.06.T-02** Availability and Applicability of Biodiversity Field Data to Enable Assessment of Biodiversity Loss Caused by Organic Pollution on a European Scale | **Iris Pit**, University of Amsterdam/IBED Institute, Netherlands	**7.06.T-03** Calibrating predicted ecotoxicity effects to observed species loss by using ecological models | **Susan Oginah**, Technical University of Denmark, Denmark
Wicklow Hall 2B	**Municipal Wastewater: Proxy for Human and Environmental Exposure and Impacts on Soil and Aquatic Ecosystems**| ...		
	2.12.T-01 Emerging contaminants in wastewater – European project on the occurrence of chemicals and adverse effects | **Saskia Finckh**, Helmholtz Centre for Environmental Research - UFZ, Germany	**2.12.T-02** Changes in chemicals of emerging concern in London's rivers across the SARS-CoV-2 pandemic | **Leon Barron**, Imperial College London, United Kingdom	**2.12.T-03** Wastewater Based Epidemiology to Assess Human Exposure to Multiple Factors Affecting Human Health | **Sara Castiglioni**, Istituto di Ricerche Farmacologiche Mario Negri, Italy
Level 3 East Wing	**Climate Change in Arctic and Antarctica and Its Effect on Legacy and Emerging Micropollutants in Abiotic and Biotic Environmental Compartments**|...		
	3.06.T-01 Stable isotope values (d13C, d15N) reveal long-term bioaccumulation of perfluoroalkyl substances (PFASs) in Icelandic seabirds | **Thomas Larsen**, Max Planck Institute for the Science of Human History, Germany	**3.06.T-02** Organophosphorus Esters in a Firn Core from Austfonna, Svalbard | **Mark Hermanson**, Hermanson & Associates LLC, Netherlands	**3.06.T-03** First detailed assessment of organic contaminants in killer whales across the North Atlantic Ocean and the influence of diet composition | **Anais Remili**, McGill University, Canada

	14:25	14:40
Liffey A	| Zhanyun Wang, Ian Cousins, Yue Ge, Hitoshi Iwahashi	
	3.16.C.T-04 Forever legacies? Profiling historical PFAS contamination sources and their current influence on a groundwater source for drinking water | **Mohammad Sadia**, University of Amsterdam, Netherlands	**Poster spotlight** 3.16.P-Tu209, 3.16.P-Tu210, TBD
Liffey B	**Filling Gaps for Micro- And Nanoplastic Effects and Risk in Multiple Stressed Aquatic Environments**| Ana I Catarino, Anna Tuulikki Kukkola, Stacey L Harper, Jana Asselman	
	2.11.T-04 Combined Effect of Salinity and Leachates of Environmental Plastics on the Copepod Nitokra spinipes | **Zhiyue Niu**, VLIZ, Belgium	**2.11.T-05** Long-term effects of microplastics on a benthic community: a mesocosm experiment | **Monica Sandgaard**, Roskilde University, Denmark
Liffey Hall 1	**LCA as an Effective Tool in Decision-making**| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger	
	5.04.C.T-04 Presentation TBD	**Poster spotlight** 5.04.P-Tu383, 5.04.P-Tu384, 5.04.P-Tu394
Liffey Hall 2	| Cassandra Johannessen, Markus Brinkmann, Steve Wiseman	
	3.21.C.T-04 Chemicals present in plastics pose a risk to health, environment and the transition to a circular-economy | **Helene Wiesinger**, ETH Zürich, Switzerland	**3.21.C.T-05** Toxicological and chemical evaluation of leaching substances from conventional and bioplastics - a holistic approach | **Moritz Kielmann**, Hamburg University of Applied Sciences (HAW), Germany
Liffey Meeting Room 2	**New Approaches, Methodologies and Policies in Environmental and Human Health Risk Assessment**| Iseult Lynch, Yue Ge, Alberto Pivato, George Kuttiparichel Varghese	
	4.10.T-04 Characterizing Genetic Susceptibility in Populations Vulnerable to Pesticide Exposures | **Marissa Kosnik**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**Poster spotlight** 4.10.P-Tu354, 4.10.P-Tu355, 4.10.P-Tu356
EcoCem Room	**Progress in Knowledge of Rare Earth Elements**| Susanne Heise, Giovanni Libralato, Nicolas Lachaux, Michael Bau	
	4.11.T-04 Rare Earths Increasingly in the Picture – But Where Do They Rank Among Other Metals Regarding Ecotoxicity and Occurrence in the Environment? | **Nele Deleebeeck**, Arcadis, Belgium	**Poster spotlight** 4.11.P-Tu367, 4.11.P-Tu368, 4.11.P-Tu458
Wicklow Hall 1	★**The European Green Deal (Chemicals Strategy for Sustainability)**| Michelle Bloor, The High Level Roundtable for Chemical Management and Sustainability	
	14:10 **8.03.T-06** Key question 3: Modernised chemicals risk and alternatives assessment processes appropriate for the CSS (II) | **Kristin Schirmer**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland **14:15** **8.03.T-07** Key question 4: Science-data gaps to inform decisions and shape future chemicals that are Safe and Sustainable by Design (I) | **Jan Robinson**, International Association for Soaps, Detergents and Maintenance Products (A.I.S.E.), Belgium **14:20** **8.03.T-08** Key question 4: Science-data gaps to inform decisions and shape future chemicals that are Safe and Sustainable by Design (II) | **Hans Sanderson**, Aarhus University, Denmark **14:25** Panel Discussion **14:53** Concluding Remarks	
Wicklow Hall 2A	| Ludek Blaha, Marie-Helene Enrici, Alan Lawrence, Niamh O'Connor	
	7.06.T-04 iTrackDNA: Breaking Down Barriers for Confident Environmental DNA Adoption in Environmental Surveys and Decision-Making | **Caren Helbing**, University of Victoria, Canada	**7.06.T-05** Simulating The Effects Of Chemical Stressors On A Recreational Fishery: An Ecosystem Services Approach To Risk Assessment. | **Susanna Mölkänen**, The University of Sheffield, United Kingdom
Wicklow Hall 2B	| Werner Brack, Ana-Belen Muniz-Gonzalez, Barbara Kasprzyk-Hordern, Luís André Mendes	
	2.12.T-04 Is It Safe to Irrigate Fresh Produce with Reclaimed Wastewater? Evidence from Human Exposure and Risk Assessment Study | **Benny Chefetz**, The Hebrew University of Jerusalem, Israel	**2.12.T-05** Circularity in the olive mill wastewater management: evaluation of the wastewater treatment from an ecotoxicological perspective | **José Pinto**, University of Aveiro, Portugal
Level 3 East Wing	| Luisa Patrolecco, Francesca Spataro, Fabiana Corami, Ida Beathe Overjordet	
	3.06.T-04 Small Microplastics, and Microlitter Components in Superficial Water and Sediments of Krossfjorden, Svalbard Archipelago | **Giulia Vitale**, Ca' Foscari University of Venice, Italy	**Poster spotlight** 3.06.P-Tu152, 3.06.P-Tu153, 3.06.P-Tu160

COFFEE & POSTER BREAK

P-Tu | Tuesday Poster Presentations

Schedule

Setup	08:00–08:45
Poster Viewing	10:05–10:45
Poster Viewing	12:05–13:35
Poster Viewing	14:55–15:35
Poster Social	17:45–18:45
Take Down	18:45–19:00
Poster Corners	18:00–18:45

Poster Corners

Towards a Better Understanding of Chemical Biomarker Responses in Aquatic Organisms| Anne Bado-Nilles, Melissa Palos Ladeiro, Aourell Mauffret, EL Joachim Sturve

Level 1 Foyer Poster Corner A

2.17.P-Tu120, 2.17.P-Tu121, 2.17.P-Tu123, 2.17.P-Tu132, 2.17.P-Tu133, 2.17.P-Tu135

Current State-Of-the Art in Understanding the Occurrence and Implications of Plastics in Terrestrial Environments| Elma Lahive, Geert Cornelis, Denise M Mitrano, Joaquim Rovira

Level 1 Foyer Poster Corner B

3.08.P-Tu170, 3.08.P-Tu171, 3.08.P-Tu175, 3.08.P-Tu189, 3.08.P-Tu190, 3.08.P-Tu202

Legacy, Emerging and Novel Per- and Polyfluoroalkyl Substances (PFASs): Latest Findings and Future Research Needs| Zhanyun Wang, Ian Cousins, Yue Ge, Hitoshi Iwahashi

Level 2 Foyer Poster Corner A

3.16.P-Tu211, 3.16.P-Tu212, 3.16.P-Tu213, 3.16.P-Tu214, 3.16.P-Tu215

Measuring, Modelling, and Monitoring the Environmental Fate and Exposure of Pesticides| Bernhard Jene, Pauline Iris Adriaanse, Michael Stemmer

Level 2 Foyer Poster Corner B

3.17.P-Tu257, 3.17.P-Tu258, 3.17.P-Tu259, 3.17.P-Tu260, 3.17.P-Tu261

Biogeochemistry, Ecotoxicology, and Life Cycle of Critical Raw Materials| Ana Romero Freire, Laure Giamberini, Julia Farkas, Kahina Mehennaoui

Level 3 Foyer Poster Corner A

4.03.P-Tu338, 4.03.P-Tu339, 4.03.P-Tu340, 4.03.P-Tu341, 4.03.P-Tu353

New Approaches, Methodologies and Policies in Environmental and Human Health Risk Assessment| Iseult Lynch, Yue Ge, Alberto Pivato, George Kuttiparichel Varghese

Level 3 Foyer Poster Corner B

4.10.P-Tu357, 4.10.P-Tu358, 4.10.P-Tu359, 4.10.P-Tu360, 4.10.P-Tu361, 4.10.P-Tu366

Poster Sessions

Alternative Approaches to Animal Testing for Ecotoxicity Assessments: Exploring Approaches and Avenues for the Future| Adam Lillicrap, Teresa J Norberg-King, Kristin Schirmer

1.01.P-Tu001 The 'Omics of Fish Epidermal Mucus | **Denina Simmons**, Ontario Tech University, Canada

1.01.P-Tu002 Ecotoxicogenomic profiles of thyroid disruption in zebrafish embryos | **Sebastian Eilebrecht**, Fraunhofer IME Institute for Molecular Biology and Applied Ecology, Germany

1.01.P-Tu003 Towards a High-Throughput New Approach Method for Acute Fish Toxicity: Painting the Rainbow (Trout) | **Jo Nyffeler**, ORISE participant at U. S. Environmental Protection Agency, Helmholtz Centre for Environmental Research - UFZ Leipzig, USA, Germany

1.01.P-Tu004 Development of freshwater planaria as a risk assessment tool. | **Lucia Rejo**, INU Champollion/ University of Albi, France

1.01.P-Tu005 Sleeping with the Fishes: Haloperidol and β-Cyclodextrin Effects on Mobility of Planaria | **Manel Habel**, University of Reading, United Kingdom

1.01.P-Tu006 Approaches to reduce vertebrate use in Environmental Risk Assessment | **Emma Danby**, Labcorp Early Development Laboratories Ltd., United Kingdom

1.01.P-Tu007 Aquatic Risk Assessment of Plant Protection Products in the Future – Still Protective Without Acute Fish Toxicity Testing? | **Elena Adams**, Bayer AG, Germany

1.01.P-Tu008 Replacing Animal-Derived Components in in Vitro Test Guidelines OECD 455 and 487 | **Inska Reichstein**, Goethe University Frankfurt, Germany

1.01.P-Tu009 Novel Approaches to Assessing Interspecies Variation in Sensitivity to Polycyclic Aromatic Hydrocarbons | **Justin Dubiel**, University of Lethbridge, Canada

1.01.P-Tu010 How can we achieve fish free fish testing in environmental risk assessment? | **Daniel Faber**, Bayer AG, Germany

1.01.P-Tu011 Comparative Study on the Intrinsic Clearances of Pharmaceuticals in Rainbow Trout (Oncorhynchus mykiss) Subcellular S9 Fractions and 3D Primary Hepatocyte Cultures | **Tea Pihlaja**, Helsinki Institute of Sustainability Science, HELSUS, University of Helsinki, Finland

1.01.P-Tu012 Understanding of phase distribution of ionic liquids in in vitro cell-based systems | **Eunhye Bae**, Technical University of Dresden, Germany

1.01.P-Tu013 Use of Japanese Quail EcoToxChips to Derive Transcriptomic Points of Departure for Chlorpyrifos in a Multi-Lab Early-Life Stage Ring Test | **Emily Boulanger**, McGill University, Canada

1.01.P-Tu014 Deriving Fish and Daphnia Toxicity QSARs for Anionic Surfactants by Using Experimental and Computational Membrane-Water Partition Coefficients | **Andrea Gredelj**, Unilever/Safety and Environmental Assurance Centre SEAC, United Kingdom

1.01.P-Tu015 Effects Of The Marine-Derived Anticancer Drug Prodigiosin On Zebrafish: Integration of in Vitro and In Vivo Outcomes | **Maria Pavlaki**, University of Aveiro, Portugal

1.01.P-Tu016 Effects of Chromomycin A2 on Zebrafish and ZFL Cell Lines: Integrating In vitro and In vivo Approaches | **Maria Pavlaki**, University of Aveiro, Portugal

1.01.P-Tu017 Omics-based fingerprinting of androgen disruption in zebrafish embryos | **Steve Ayobahan**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

1.01.P-Tu018 First Steps to Expand the Model Parhyale hawaiensis to Evaluate Genetic Damage in Germ Cells | **Marina Tenório Botelho**, School of Technology – State University of Campinas, Brazil

1.01.P-Tu019 Speeding up Eco'n'OMICs – High throughput hazard assessment by multiplexed bead-based analysis of molecular biomarkers | **Fabian Essfeld**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

1.01.P-Tu020 Developmental effects of nanoparticles in Schmidtea mediterranea | **Julie Tytgat**, Hasselt University, Belgium

1.01.P-Tu021 Transcriptomic points of departure for Japanese quail exposed to six pesticides using the EcoToxChip Test Method | **Nil Basu**, McGill University, Canada

1.01.P-Tu022 Fluid shear stress affects the metabolic and toxicological response of the rainbow trout gill cell line RTGill-W1. | **Nicolas Bury**, University of Southampton, United Kingdom

1.01.P-Tu023 Acute Toxicity Study of 3,5-dichloroaniline using RTgill-W1, Fish Cell line | **Jigarkumar Rana**, Jai Research Foundation, India

1.01.P-Tu024 Using Automated Size Measurement Software as a Possible New Approach Methodology to Support Adverse Outcome Pathway | **Maria Christou**, Norwegian Institute for Water Research (NIVA), Norway

1.01.P-Tu025 Risk Assessment for Amphibia in the EU – How Much Additional Animal Testing Is Adequate? | **Heino Christl**, Tier3 Solutions GmbH, Germany

1.01.P-Tu026 Characterization of Hepatic 3D Spheroids Using Multiphoton Fluorescence Microscopy and OMICS | **Prem Chand**, Norwegian Institute for Water Research (NIVA), Norway

1.01.P-Tu027 Development of a modular, cell line-based framework for the animal-free prediction of chemical toxicity to fish | **Stephan Fischer**, aQuaTox-Solutions GmbH, Switzerland

1.01.P-Tu028 Extrapolation of In Vitro Bioactivity Data to Points of Departure (PODs) Using an In Vitro Mass Balance Model (IV-MBM V2.0) | **Alessandro Sangion**, Arnot Research and Consulting Inc. (ARC), Canada

1.01.P-Tu029 Evaluation of Fish Keratocyte Explant Culture as Environmental Immunotoxicity Screening Assay | **Serena George**, University of Wisconsin, Madison, USA

1.01.P-Tu030 Development of a non-animal Integrated Approach to Testing and Assessment for Acute Aquatic Toxicity Hazard Classification and Labelling | **Donna Macmillan**, HSI, USA

1.01.P-Tu031 Can healthy stem cells replace animal testing in assays addressing molecular initiating events in vitro? | **Hans Allner**, GOBIO-GmbH, Germany

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1.11.P-Tu032 Predicting the impacts of chemical pollutants on animal groups | **Marcus Michelangeli**, Monash University, Swedish University of Agricultural Sciences, Australia, Sweden

1.11.P-Tu033 A Rapid Approach to Characterise the Photosynthetic Efficiency and Growth Inhibition of a Marine Microalgae Exposed to Metal Mixtures | **Chloe Eastabrook**, Newcastle University, United Kingdom

1.11.P-Tu034 Standardization of a short-term chronic method using Daphnia magna | **James Lazorchak**, U.S. Environmental Protection Agency, USA

1.11.P-Tu035 Hydra viridissima as Model to Study the Toxicity of Environmental Contaminants: A Case Study with Metals | **Miguel Oliveira**, CESAM & University of Aveiro, Portugal

1.11.P-Tu036 Environmental levels of carbaryl impair zebrafish larvae behavior: the potential role of ADRA2B and HTR2B | **Juliette Bedrossiantz**, IDAEA CSIC, Spain

1.11.P-Tu037 Pull-down assay as a novel approach for the identification of compounds interfering with thyroid hormone signalling in complex environmental mixtures | **Petra Mikusova**, Masaryk University, Czech Republic

1.11.P-Tu038 The Use of Heart Rate Monitors to Determine the Effects of Environmental Stressors in the Common Shore Crab (Carcinus Maenas) | **Emily Price**, University of Portsmouth, United Kingdom

1.11.P-Tu039 Sperm Quality Assessment in Ficopomatus enigmaticus (Fauvel, 1923): Effects of Selected Organic and Inorganic Chemicals Across Salinity Levels | **Alessia Cuccaro**, University of Aveiro, Portugal

1.11.P-Tu040 Effect-Based Monitoring Tools Reveal That Chemical Pollution Counteracts the Restoration Success of Streams | **Sarah Hörchner**, Goethe University Frankfurt, Germany

1.11.P-Tu041 Is olive oil value chain an environmental risk? Ecological quality evaluation of Tua River (Portugal) and multitrophic toxicity assessment. | **Silvana Costa**, MORE- Laboratório Colaborativo Montanhas de Investigação, Portugal

1.11.P-Tu042 Ecotoxicological Evaluation of Effluents Originated by the University Hospital, Ufsc , Florianópolis – SC, Brazil | **Carlos Soares**, Universidade Federal de Santa Catarina, Brazil

1.11.P-Tu043 Physicochemical and Toxicological Characterization of Samples From Water Sources Neighboring Rice Plantations | **Carlos Soares**, Universidade Federal de Santa Catarina, Brazil

1.11.P-Tu044 Haloacetonitriles react with proteins via 3 distinct reaction pathways | **Kirsten Yeung**, University of Toronto, Canada

1.11.P-Tu045 Using Tissue Residue-Based Effects Concentrations in Setting Sediment Guidelines for Dioxin-Like Compounds | **Therese Manning**, Enrisks, Australia

1.11.P-Tu046 Role of Alkylated Polycyclic Aromatic Hydrocarbons in Mixture Toxicity from a Legacy Creosote Site | **Ian Moran**, Oregon State University, USA

1.11.P-Tu047 Estrogenic Effects on Wastewater receiving bodies; an EDA approach using YES bioassays in the Basque Country | **Belen Gonzalez-Gaya**, Plentzia Marine Station (PiE-UPV/EHU), Spain

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2.04.P-Tu049 A Holistic Approach to Determine Freshwater Mussel Response to Pharmaceuticals in Virginia, USA | **Kathleen Mayer**, Virginia Tech, USA

2.04.P-Tu050 PFAS in the marine environments: does perfluorotetradecanoic acid (PFTeDA) affects marine benthic invertebrates? | **Katarzyna Smolarz**, University of Gdansk, Poland

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2.04.P-Tu052 Sub-lethal effects of Thallium in the Freshwater Flatworm Girardia tigrina. | **Patricia Caballero Carretero**, National Distance Education University (UNED), Spain

2.04.P-Tu053 Fish Parasites as Bioindicators of Element Exposure in the Marine Environment: An Environmental Parasitology Approach | **Anja Erasmus**, North-West University, South Africa

2.04.P-Tu054 Changes in the ultrastructure of a community of microalgae and a toxigenic cyanobacterium exposed to a commercial formulation of glyphosate | **Fernando Martínez-Jerónimo**, Instituto Politécnico Nacional. Escuela Nacional de Ciencias Biológicas, Mexico

2.04.P-Tu055 Ultrastructure changes in the midgut of stingless bees Melipona scutellaris exposed to fungicide pyraclostrobin | **Caio Eduardo da Costa Domingues**, University of Maribor, Slovenia

2.04.P-Tu056 Cell biomarkers and behavioral evaluation on the neotropical solitary bee Tetrapedia diversipes topically exposed to imidacloprid insecticide and pyraclostrobin fungicide | **Elaine Silva-Zacarin**, Federal University of Sao Carlos (UFSCar), Brazil

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2.05.P-Tu057 A laboratory test for assessing effects of plant protection products on the herbivorous non-target arthropod Locusta migratoria (Caelifera, Acrididae) | **Jörg Leopold**, ibacon GmbH, Germany

2.05.P-Tu058 Development of an ecotoxicological testing method to assess side-effects of plant protection products on herbivorous lepidopteran larvae (Spodoptera exigua) under laboratory conditions | **Lena Böhrs**, Eurofins Agroscience Services, Germany

2.05.P-Tu059 DEHP and BPA act as endocrine disrupting chemicals in the pest moth Spodoptera littoralis | **David Siaussat**, Institute of Ecology and Environmental Sciences, France

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2.05.P-Tu061 Effects of Insecticides at Different Levels of Biological Organization: Using Changes in Lipidomics to Explain Effects on Growth and Reproduction of Folsomia Candida Exposed to Teflubenzuron | **Saúl Fernandes**, Vrije Universiteit Amsterdam, Netherlands

2.05.P-Tu062 Uncovering Potential Chemical Stressors for Insects: In Vitro Toxicity of Soil and Water Samples from Private Gardens | **Johanna Bock**, Goethe University Frankfurt, Germany

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2.05.P-Tu064 Bti-Induced Changes in Aquatic Subsidy Dynamics Transfer to Linked Terrestrial Food Web | **Sara Kolbenschlag**, University of Koblenz-Landau, Germany

2.05.P-Tu065 Assessing risk to pest control and pollination: Which are the representative vulnerable NTA taxa? | **Grzegorz Sowa**, The University of Sheffield, United Kingdom

2.05.P-Tu066 Effects of the experimental exposure to triazole fungicides on two groups of insects | **Paula Muñoz**, Institute for Game and Wildlife Research, IREC (CSIC-UCLM), Spain

2.05.P-Tu067 The mealworm dietary exposure lifecycle test: a potential model system in environmental risk assessments. | **Michael-Thomas Ramsey**, Labcorp Early Development Laboratories Ltd., United Kingdom

2.05.P-Tu068 Refined parameters for bumblebee microcolony dietary exposure tests | **Michael-Thomas Ramsey**, Labcorp Early Development Laboratories Ltd., United Kingdom

2.05.P-Tu069 Longevity of Apis mellifera carnica and Bombus terrestris exposed to pesticides (alone and in combination) in laboratory conditions | **Leticia Ansaloni**, University of Maribor, Slovenia

2.05.P-Tu070 Behavioral evaluation of imidacloprid's repellency capability in the stingless bee Melipona quadrifasciata (Apidae: Meliponini) | **Elaine Silva-Zacarin**, Federal University of Sao Carlos (UFSCar), Brazil

2.05.P-Tu071 Comparison between two Neotropical solitary bees as potential model species for ecotoxicological assays | **Elaine Silva-Zacarin**, Federal University of Sao Carlos (UFSCar), Brazil

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2.05.P-Tu074 Defining Habitat Scenarios at Zonal Level for the Environmental Risk Assessment of Plant Protection Products to NTAs | **Grzegorz Sowa**, The University of Sheffield, United Kingdom

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2.11.P-Tu079 Disclosing the Effects of Pristine and Weathered Micro- and Nanoplastics Combined with Environmental Contaminants on Fish Intestinal Cells (RTgutGC). | **Estefanía Pinto**, University of Vigo, Spain

2.11.P-Tu080 Microplastics in cold water corals living up to 948 meters deep in an Irish Special Area of Conservation | **Alicia Mateos Cardenas**, University College Cork, Ireland

2.11.P-Tu081 "Sub-lethal effects induced by different nanoplastic polymers to Daphnia magna" | **Andrea Masseroni**, University of Milano-Bicocca, Italy

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2.12.P-Tu091 Monitoring the metal particulate in municipal wastewater treatment plant | **Byung-Tae Lee**, Gwangju Institute of Science and Technology, Korea, Republic of (South)

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2.12.P-Tu100 Effects of the Antimicrobial Agent Thymol on the Physiological Profile of River Microbiota | **M Rosa Pino**, Universidad San Jorge, Spain

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2.12.P-Tu102 Screening Toxicity of Relevant Environmental Mixtures using Caenorhabditis elegans | **Fábio Campos**, University of Aveiro, Portugal

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2.12.P-Tu104 3,4-Methylenedioxypyrovalerone (MDPV) sublethal ecotoxicity assay on the microcrustacean Daphnia magna | **Cláudia Ribeiro**, TOXRUN - IUCS, Portugal

2.12.P-Tu105 Enantioselectivity in toxicity of amphetamine, 3,4-methylenedioxymethamphetamine and methylenedioxypyrovalerone on freshwater organisms (Daphnia magna and Danio rerio) | **Cláudia Ribeiro**, TOXRUN - IUCS, Portugal

2.12.P-Tu106 Morphometric changes in larval zebrafish exposed to butylone | **Cláudia Ribeiro**, TOXRUN - IUCS, Portugal

2.12.P-Tu107 Effects of methamphetamine exposure on the zebrafish embryonic development | **Cláudia Ribeiro**, TOXRUN - IUCS, Portugal

2.12.P-Tu108 A class of their own? Water-Soluble Polymer Pollution Impacting a Freshwater Host-Pathogen System | **Charlotte Robison-Smith**, Cardiff University, United Kingdom

2.12.P-Tu109 Ecotoxicological characterization of wastewaters from different origins obtained after using the chemical precipitation technique | **Susana Loureiro**, University of Aveiro, Portugal

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2.12.P-Tu111 Evaluation of the Effects of Metoprolol on Microalga Monoraphidium pusillum and Fish Poecilia sp. | **Alma Sobrino-Figueroa**, Universidad Autonoma Metropolitana Iztapalapa, Mexico

2.12.P-Tu112 Toxicity of Three Types of Surfactants in Aquatic Organisms of Different Trophic Levels | **Alma Sobrino-Figueroa**, Universidad Autonoma Metropolitana Iztapalapa, Mexico

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2.17.P-Tu124 Can sub-lethal effects of plastic ingestion be assessed by phthalates concentration and molecular biomarkers in stranded Manx shearwaters, Puffinus puffinus? | **Patricia Serafini**, Universidade Federal de Santa Catarina, Brazil

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2.17.P-Tu126 Fatty acid profiles in blubber samples from humpback whales (Megaptera novaeangliae) between feeding (Southern Ocean) and breeding and calving areas (NE Brazil) | **Cristian Timoszczuk**, University of São Paulo (USP), Brazil

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2.17.P-Tu129 Evaluation of physiological and morphological endpoints combined with the conventional endpoint of algal toxicity: application to five disinfection by-products characteristic of a chlorinated effluent | **Théo Ciccia**, Electricité de France (EDF) R&D, France

2.17.P-Tu130 The combined effect of stress and diazepam on facultative migration of European glass eel (Anguilla anguilla): development of endocrine and molecular markers | **Mathilde Monperrus**, Université de Pau et des Pays de l'Adour (UPPA), France

2.17.P-Tu131 Co-variation of metallothionein expression levels and cadmium tolerance in Gammarus fossarum field populations. | **Auréline Lalouette**, Laboratoire d'écotoxicologie INRAE, France

2.17.P-Tu132 Ecotoxicological State Assessment of Fish and Bivalves | **Nathalie Wessel**, IFREMER, France

2.17.P-Tu133 Transcriptional Biomarkers of Toxicity –

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2.17.P-Tu134 Proposition of reference range for genotoxicity biomarkers in stickleback by considering season and biotic factors | **Anne Bado-Nilles**, UMR-I 02 INERIS-URCA-ULH SEBIO, France

2.17.P-Tu135 Variability of metallothionein expression in field-populations of Gammarus fossarum living in long-term chronic cadmium contamination contexts: basal levels, sensitivity and transgenerational effects. | **Auréline Lalouette**, Laboratoire d'écotoxicologie INRAE, France

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3.02.P-Tu145 Radon exposure in indoor and outdoor environments for sub-population groups using Monte-Carlo simulations | **Hee Seok Kim**, Seo Kyeong University, Korea, Republic of (South)

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3.06.P-Tu160 Contaminants of emerging concern in the Arctic fjord Kongsfjorden: from glaciers to marine ecosystem | **Jasmin Rauseo**, National Research Council-Institute of Polar Science (ISP-CNR), Italy

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3.21.P-Tu322 Leaching of Metals and Organic Compounds from Tires Over Time – Exploring the Effects of Road Pollution Sedimentation Treatment for Tire Leachates | **Elisabeth Rødland**, Norwegian Institute for Water Research (NIVA), Norway

3.21.P-Tu323 Biofilms Can Accumulate and Transform Tire-derived Compounds in Urban Rivers | **Anya Sherman**, University of Vienna, Austria

3.21.P-Tu324 Aquatic Ecotoxicity of Safe and Sustainable by Design Organophosphate Flame Retardants | **Bianca Stadelmann**, University of Amsterdam, Netherlands

3.21.P-Tu325 Property Estimations of Organophosphate Ester Transformation Products: Interpreting Environmental Fate with Chemical Space Plots | **J. Mark Parnis**, Trent University, Canada

3.21.P-Tu326 Toxicity of DEHP related to cellular damages and sex-steroid hormone depletion in vitro | **Tomas Jambor**, Slovak University of Agriculture in Nitra, Slovakia

3.21.P-Tu327 Leaching and Degradation Kinetics of Legacy and Emerging Plasticisers in Contrasting Soils | **Alex Billings**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

3.21.P-Tu328 Role of soil organic matter on the fate of common plastic additives, Di(2-ethylhexyl) phthalate, Bisphenol A and Benzophenone, in soil | **Dinusha Ramanayaka**, Lancaster University, United Kingdom

3.21.P-Tu329 Investigating the Effects of Substances Leaching out of FFP2 Masks on the Aquatic Organism Danio rerio | **Katharina Wiessner**, FH Technikum Wien, Austria

3.21.P-Tu330 Environmental Fate of Plastic Pellets in the Harbour of Antwerp | **Hanne Diels**, University of Antwerp, Belgium

3.21.P-Tu332 Leachate Effects in Biodegradable Geotextiles | **Antonia Weltmeyer**, RWTH Aachen University, Germany

3.21.P-Tu333 Leaching of endocrine disrupting chemicals from plastic food packaging – In vitro toxicity and chemical composition | **Sarah Stevens**, Norwegian University of Science & Technology (NTNU), Norway

3.21.P-Tu334 Establishing a Database of Plastic Additives Used in Commerce and Their Regulatory Status Across the Globe | **John Norman**, American Chemistry Council, USA

3.21.P-Tu336 Evaluating Migration of Polymer Additives Under Environmentally Relevant Conditions – Validation of Modeling Approaches and Application for Product Classification & Labeling under EU CLP & UN GHS | **Craig Davis**, ExxonMobil Biomedical Sciences Inc., USA

3.21.P-Tu337 Toward a Framework for Rapid, Tiered Risk Assessment & Prioritization of Additives, Impurities and non-Intentionally Added Substances (NIAS) in Polymers & Plastic Articles | **Craig Davis**, ExxonMobil Biomedical Sciences Inc., USA

Biogeochemistry, Ecotoxicology, and Life Cycle of Critical Raw Materials| Ana Romero Freire , Laure Giamberini, Julia Farkas, Kahina Mehennaoui

4.03.P-Tu338 Are Seaweeds Suitable Indicators to Assess Spatiotemporal Patterns in Critical Elements Concentrations? An Insight on the Use of Seaweeds as Biomonitors in Norwegian coastal Areas | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu339 Fate and biological effects of Rare Earth Element mixtures in a model freshwater food web | **Nicolas Lachaux**, University of Lorraine, France

4.03.P-Tu340 Bioavailability and effects of different forms of gadolinium in three fish species | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu341 Deep-Sea Mining as an Emerging Stressor in Deep-Sea Environments: Case Studies Using Hyperbaric Chambers for Hazard and Risk Assessment | **Bárbara Pinheiro**, Porto University, Department of Biology, Portugal

4.03.P-Tu342 Potential future ecotoxicological problems in soil irrigation by gadolinium pollution | **Ana Romero Freire**, University of Granada, Spain

4.03.P-Tu343 Evaluation of the effects of a mixture of REE on gene expression of Daphnia magna | **Kahina Mehennaoui**, Université de Lorraine, France, Luxembourg

4.03.P-Tu344 Protective Role of Colloids against Cr and Ni Ecotoxicity in a Small Ultramafic Catchment | **Elsa Salles**, Université de Lorraine, France

4.03.P-Tu345 Microcosms as a Tool to Study REE Toxicity in a Simulated Aquatic Food Web | **Chantal van Drimmelen**, University of Applied Science Hamburg, Germany

4.03.P-Tu346 Leaching of Elements From Smartphones and Their Toxicity to Marine Organisms | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu347 Rare earth element pollution recording in the saltwater mussel Mytilus spp. in Norwegian coastal waters | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu348 Tissue-specific bioaccumulation of rare rarth elements in brown crab (Cancer pagurus) at an industrially-affected fjord in Porsgrunn, Norway | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu349 Are technologically critical metals (rare earth elements, REE) accumulating in harbour porpoise (Phocoena phocoena) from Norwegian coastal waters? | **Julia Farkas**, SINTEF Ocean, Norway

4.03.P-Tu350 Rare Earths and Other Elements in Transplanted Blue Mussels (Mytilus edulis) and Seaweeds (Saccharina latissima) Near Salmon Farms: First Results From a Site in Trøndelag, Norway | **Juliane Riedel**, Nord University, Norway

4.03.P-Tu351 Toxicity of Three Rare Earth Elements on the Deep-sea Scavenging Amphipod Tmetonyx cicada (Lysianassidae): Linking Molecular and Behavioural Responses | **Juliane Riedel**, Nord University, Norway

4.03.P-Tu352 Effects of CU Exposure on Atlantic Cod (Gadus Morhua) Embryos and Larvae | **Linn Svendheim**, Nord University, Norway

4.03.P-Tu353 Effects of Short-Term Mine Tailing Exposure on Stage CV Calanus Finmarchicus | **Linn Svendheim**, Nord University, Norway

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4.10.P-Tu354 Characterization of microplastics in beach sediments points to the need for a precautionary approach to plastic use | **Ebin Johnson**, National Institute of Technology Calicut, India

4.10.P-Tu355 Importance Of Precautionary Approach In Massive Firework Display Releases- A Case Study From Kerala, India | **PREM Mohan**, National Institute of Technology Calicut, India

4.10.P-Tu356 A Forensic Investigation of a Contaminated Land at Kerala, India | **irfan Khursheed Shah**, higher education, j&K Government, India

4.10.P-Tu357 Exploring the Correlation Between Anthropogenic Contamination, Methylation Variation, and Adverse Health Effects in Olfactory Bulb Tissues | **Raj Rathnam**, Arizona State University, USA

4.10.P-Tu358 Measurement and modelling strategies for a study of health effects caused by urban ultrafine particle concentrations | **Carmen Wolf**, Institut f¸r Energie- und Umwelttechnik e. V. (IUTA), Germany

4.10.P-Tu359 Geographic Disparity in Asthma Hospitalizations: The Role of Environmental Air Pollution | **Sonia Munoz**, Texas Tech University, USA

4.10.P-Tu360 Morphological Transformation and Phenotypic Plasticity of Normal Human Breast Epithelial Cells after 40-Week Exposure to Low-Dose Cadmium | **Katelyn Polemi**, University of Michigan, Ann Arbor, USA

4.10.P-Tu361 Application Of Precautionary Principles In Environmental Crime Reconstruction | **Bindu A. Gopalakrishnan**, National Institute of Technology Calicut, India

4.10.P-Tu362 Investigating Chemical Exposures as Drivers of Phenotypic Plasticity in Normal Human Breast Tissue via High Content Imaging | **Jade Schroeder**, University of Michigan, Ann Arbor, USA

4.10.P-Tu363 Monitoring of Insect Traces in Japanese Bioaerosols using NGS | **Hitoshi Iwahashi**, Gifu university, Japan

4.10.P-Tu364 NGS analysis of biological traces extracted from bioaerosols | **Junko Takahashi**, Waseda University, Japan

4.10.P-Tu365 Soil's Organic Carbon Influence on the Dermal In Vitro Bioavailability of Parent and Alkylated PAHs in Former Gasworks Soils | **Alison Williams-Clayson**, British Geological Survey, United Kingdom

4.10.P-Tu366 BMD Analysis of Multiple Endpoints in Human Health Risk Assessment: Current Practice and Challenges | **Lily Wang**, US EPA, USA

Progress in Knowledge of Rare Earth Elements| Susanne Heise, Giovanni Libralato, Nicolas Lachaux, Michael Bau

4.11.P-Tu367 Rare Earths and Yttrium in tissues and shells of bivalves from the Danube River and its tributaries | **Keran Zhang**, Constructor University Bremen, Germany

4.11.P-Tu368 Toxicity of REE Along the Food Chain Microalgae-Daphnia in a 14-Day Nanocosm | **Chantal van Drimmelen**, University of Applied Science Hamburg, Germany

4.11.P-Tu369 Toxicity of rare earth elements on human health | **Antonios Brouziotis**, University of Naples Federico II, Italy

4.11.P-Tu370 Does diffusion through soil control accumulation of REEs by plants roots or DGTs? | **Beverley Hale**, University of Guelph, Canada

4.11.P-Tu371 The Influence of Temperature Rise on the Impacts of Dysprosium to Adults and Sperms of the Species Mytilus galloprovincialis | **Carla Leite**, University of Aveiro, Portugal

4.11.P-Tu372 A biotic ligand model for acute toxicity of gadolinium on Daphnia magna | **Marion Revel**, University of the West of Scotland, Hamburg University of Applied Sciences, United Kingdom, Germany

4.11.P-Tu373 Toxicity and biodistribution of chronic dietary and waterborne of La and Gd in Daphnia magna | **Marion Revel**, University of the West of Scotland, Hamburg University of Applied Sciences, United Kingdom, Germany

4.11.P-Tu374 Chaoborus punctipennis larvae to monitor rare earth elements contamination in lakes from two mining area | **Virginie Ricard-Henderson**, UQAM, Canada

4.11.P-Tu458 Assessing Individual and Ternary Mixture Ecotoxicity of Three Rare Earth Elements for Tomato and Durum Wheat in Soil, using Total, Bioaccessible and Tissue Concentrations as Dose | **Beverley A. Hale**, University of Guelph, Canada

Reducing Marine Pollution and the Role of Ocean Governance on the Road to Sustainability| Mathijs Smit, Ioanna Katsiadaki, Kari K. Lehtonen, Nicola Geary

4.12.P-Tu375 Ecotoxicological Effects Of Three Different Scrubber-Waters on The Larval Development of The Polychaeta Sabellaria alveolata | **Nelson Abrantes**, University of Aveiro, Portugal

4.12.P-Tu376 Chronic Toxicity Evaluation Using Sea Urchins of Chemical Additives Present in Oilfield-Produced Water | **Juacyara Carbonelli Campos**, Federal University of Rio de Janeiro, Brazil

4.12.P-Tu377 Oil in the Sea: Inputs, Fates, and Effects | **Carys Mitchelmore**, University of Maryland Center for Environmental Science, USA

4.12.P-Tu378 Assessing the Acute Toxicity of Herders to Skeletonema sp and Tisbe battagliai in Accordance with the UK Procedures for the Testing and Approval of Oil Spill Treatment Products | **Tyler-Rose Woolley**, Scymaris Ltd, United Kingdom

4.12.P-Tu379 Relationships Between Tissue Polycyclic Aromatic Hydrocarbon (PAH) Profiles and Biomarker Responses in Baltic Sea Mussels: A Study Using Compiled Laboratory and Field Exposure Data | **Kari Lehtonen**, Finnish Environment Institute, Finland

4.12.P-Tu380 Dumped chemical warfare agents - Acute toxicity and sublethal effects in aquatic organisms | **Raisa Turja**, Finnish Environment Institute, Finland

LCA as an Effective Tool in Decision-making| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger

5.04.P-Tu381 Modelling of electricity in Product Environmental Footprints | **Tomas Ekvall**, Chalmers University of Technology, Sweden

5.04.P-Tu382 Determining Missing Life Cycle Inventory Data Using the Research – Reaction – Energy – Modeling (RREM) Approach: an Example of Surfactants in Cosmetics | **Daria Blizniukova**, Technical University Berlin, Germany

5.04.P-Tu383 LCA-based decision support on the inclusion of mechanical vapor compression in early phases of process design | **Hannes Schneider**, TU Braunschweig, Germany

5.04.P-Tu384 LCA as a Guide and Decision Support in Technology Research and Development Projects – The Case of the ELSAH Project | **David Wilde**, Acondicionamiento Tarrasense (Leitat Technological Center), Spain

5.04.P-Tu385 A Life Cycle Assessment of a Remanufactured Bicycle at An Mheithal Rothar, a Community Cooperative Bike Shop | **Sinead Mitchell**, University of Galway, Ireland

5.04.P-Tu386 Applying Circular Economy Principles to the Problem of International Catering Waste – an Life Cycle Assessment Case Study of the Aviation Waste Sector | **Lois Pennington**, Tyndall Centre for Climate Change Research, University of Manchester, United Kingdom

5.04.P-Tu387 A novel 'hub and spoke' framework for the holistic sustainability assessment of chemical value chains | **Alex Newman**, The University of Sheffield, United Kingdom

5.04.P-Tu388 Sustainable Comfort on Board – Using LCA Data for a New Cruise Ship Cabin Design | **Mareike Tippe**, DLR-Institute of Networked Energy Systems, Germany

5.04.P-Tu389 NEPTUNUS-WEF1.0: a friendly tool in the decision-making process related to the seafood production and consumption | **Sandra Ceballos-Santos**, University of Cantabria, Spain

5.04.P-Tu390 Life Cycle Assessment of Fisheries: the Need for Adopting a "Fishnet Approach" | **Gregoire Gaillet**, Sayari, France

5.04.P-Tu391 Assessing the Environmental Impact of the Application of a Smart Farming System via Life Cycle Analysis – Recommending Best Management Practices | **Thanasis Karagkounis**, Aristotle University of Thessaloniki, Greece

5.04.P-Tu392 Environmental Evaluation of a Rotation System Developed in the Two Core Farming Regions of Egypt | **Sara Olveira**, University of Santiago de Compostela, Spain

5.04.P-Tu393 Peat bog recultivation and rehabilitation strategies in Latvian conditions: a carbon footprint analysis implementing LCA | **Maksims Feofilovs**, Riga Technical University, Latvia

5.04.P-Tu394 The Agrifood Data Sharing Platform as Pivot for LCI and LCIA Results | **Veerle Van linden**, Flanders' Institute for Agricultural, Fisheries and Food Resaerch, Belgium

5.04.P-Tu395 Industry LCA for Hand Dish Washing at Colder Temperatures and Using Shorter Dishwasher Cycles | **Jasmin Martinez**, Procter & Gamble, Belgium

5.04.P-Tu396 Development of an automated system for conducting life cycle assessments -- a chemical industry example | **Ravinder Menon**, Afton Chemical, USA

5.04.P-Tu397 The Choice of Refractories for Steel Ladle Lining: a Life Cycle Perspective | **Md Jubayed**, University of Liège, Belgium

5.04.P-Tu398 Use of Life Cycle Impact Assessment to Advance Holistic Optimization of Radiological Protection and Safety | **Bryanna Wattier**, Clemson University, USA

5.04.P-Tu399 Teaching life cycle assessment using counterintuitive examples | **Andrea Hicks**, University of Wisconsin, Madison, USA

Passion for Pollinators: A Decade on the New EFSA Bee Guidance Document and Its Implementation for Pollinator Risk Assessment| Stefan Kimmel, Johannes Lückmann, Csaba Szentes

6.08.P-Tu400 The New Bee Guidance: Using Equivalence Tests in Higher Tier Studies | **Ines Hotopp**, Tier3 Solutions GmbH, Germany

6.08.P-Tu401 Understanding frequency and relevance of non-additive effects of pesticide mixtures to honey bees | **Mark Miles**, Bayer AG, United Kingdom

6.08.P-Tu402 Bees and Pesticides – Landscape Ecotoxicological Perspectives on Exposure, Effects, and Mitigation | **Jessica Knapp**, Lund University, Sweden

6.08.P-Tu403 Developments in the Pollinator RA Following the New EFSA GD and ICPPR | **Helena Crosland**, Cambridge Environmental Assessments (CEA), United Kingdom

6.08.P-Tu404 Review of the Lower Tiers of the Succeeding Crop Exposure Scenario in the new Bee Guidance Document of EFSA, 2023 | **Laura Padovani**, European Food Safety Authority (EFSA), Italy

6.08.P-Tu405 Field Studies on Pesticide Residues to Refine Exposure to Bees: Recommendations in the Bee Guidance Document of EFSA, 2023 | **Laura Padovani**, European Food Safety Authority (EFSA), Italy

6.08.P-Tu406 Higher Tier Studies on Pesticide effects on Bees: Recommendations in the Bee Guidance Document of EFSA, 2023 | **Jacoba Wassenberg**, Ctgb, Netherlands

6.08.P-Tu407 BEEHAVE - Analysing the Significance of Increased Brood Termination Rate on the Colony Strength in Honey Bees | **Johannes Lückmann**, RIFCON GmbH, Germany

6.08.P-Tu408 Food jelly, a potential source for pesticides to harm honey bee larvae? | **Silvio Erler**, Julius Kühn-Institute, Germany

6.08.P-Tu409 Bee Sensitivity Derived From Acute Contact Tests Biased by Standardised Protocols? | **Ivo Roessink**, Wageningen Environmental Research - WUR, Netherlands

6.08.P-Tu410 Improved Test Design for the Evaluation of Semi-Field Studies with Bumblebees (Bombus terrestris) | **Markus Persigehl**, Tier3 Solutions GmbH, Germany

6.08.P-Tu411 Oomen studies –how to find the right concentration to test | **Silvio Knaebe**, Eurofins Agroscience Services, Germany

6.08.P-Tu412 Semi-field test design for the Leafcutter bee Megachile rotundata | **Silvio Knaebe**, Eurofins Agroscience Services, Germany

6.08.P-Tu413 Testing Methods for honey bees, bumblebees and solitary bees in the context of pesticide registration | **Silvio Knaebe**, Eurofins Agroscience Services, Germany

6.08.P-Tu414 Investigating potential effects of a common fungicide on honey bee colonies under field conditions when applied according to best agricultural practice in flowering oilseed rape | **Christof Schneider**, BASF SE, Germany

6.08.P-Tu415 The Revised EFSA Bee Guidance in Practice: An Insecticide Case Study | **Elizabeth Collison**, Corteva Agriscience, United Kingdom

6.08.P-Tu416 Bees and microbial pest control products, case studies with Bacillus thuringiensis ssp. aizawai | **Silvio Erler**, Julius Kühn-Institute, Germany

Risk Communication for Decision-Making: The Role of Community-Contact, Nature-Positive Outcomes, and Risk-Perception| Ellise Marissa Suffill, Dorinda Silva, Mathilde Vlieg Mrs

6.11.P-Tu417 Indigenous practices that influence waste management: Case studies of Bushbuckridge Local Municipality | **Siyabonga Madonsela**, Cape Peninsula University of Technology, South Africa

6.11.P-Tu418 From Microscopic Biodiversity and Micropollution workshop to Inclusive Citizen Science in the Basque Country | **Belen Gonzalez-Gaya**, Plentzia Marine Station (PiE-UPV/EHU), Spain

6.11.P-Tu419 The Future of Ocean Plastics: Designing Diverse Collaboration Frameworks | **Andrea Falty-nkova**, Norwegian University of Science & Technology (NTNU), Norway

6.11.P-Tu420 Communicating Evidence of Positive Outcomes | **Delwyn Jones**, Ecquate Pty Ltd, Australia

6.11.P-Tu421 Environmental communication: different channels different level of pro-environmental behaviours? | **Diana Miškelytė**, Vytautas Magnus University, Lithuania

6.11.P-Tu422 Conveying Impact and Benefits of Recycled Sand | **Delwyn Jones**, Ecquate Pty Ltd, Australia

6.11.P-Tu423 North Breton Island Reconstruction: An Example of a Successful Coastal Engineering and Natural Resource Restoration Project | **Lawrence Malizzi**, Ramboll, USA

6.11.P-Tu424 The Urgent Need for Nature-Positive Words, Ways and Weights | **Rochelle Bright**, University of New England, Australia

6.11.P-Tu425 Behaviour test with earthworms as an additional tool in environmental education about soil pollution impacts for high school and university students | **Cláudia Ribeiro**, CESPU/IUCS/TOXRUN, Portugal

6.11.P-Tu426 Pesticides and their metabolites in European surface and groundwater: Understanding interacting regulations and approaches to environmental monitoring | **Mahmood Al Ramahi**, Bayer AG, Germany

6.11.P-Tu427 Risk management of plant protection products: The role of farmers as decision makers on site. | **Jonas Schartner**, Federal Office of Consumer Protection and Food Safety (BVL), Germany

6.11.P-Tu428 Toward a Greener Pharmacy: How to involve doctors and pharmacists in the environmentally conscious prescription of medicines | **Stefano Polesello**, Water Research Institute - Italian National Research Council IRSA-CNR, Italy

6.11.P-Tu429 Should what is joined together by chemistry be separated by chemists? Studying chloroalkanes in particular and UVCB substances in general | **Chris Howick**, INOVYN Chlorvinyls Limited, United Kingdom

6.11.P-Tu430 Risk should not be made complicated when the hazards and exposure are clear | **Hans Peter Arp**, Norwegian Geotechnical Institute (NGI), Norway

6.11.P-Tu431 Minimising Risk of Harmful Chemicals to the Marine Environment in the Petroleum Sector | **Kirit Wadhia**, NOV Inc, United Kingdom

6.11.P-Tu432 Drinking Water Relevant Substances in the Meuse | **Tineke Slootweg**, Het Waterlaboratorium, Netherlands

Multi-Purpose Use of Wastewater Based Epidemiology for Assessing and Evaluating Public Health Status: Challenges and Opportunities on a Global Scale| Lubertus Bijlsma, Laura M Langan, Abigail Henke, Sara Castiglioni

7.05.P-Tu433 Wastewater-Based Epidemiology As A High-Throughput Method To Investigate Human Exposure To Bisphenols. Method Development, Pilot Application And Contrast To Urinalysis | **Andrea Estévez Danta**, Universidade de Santiago de Compostela,

7.05.P-Tu434 Turning Wastewater Treatment Plants into Sentinels of Public Health: The case study of Larnaca | **Popi Karaolia**, Nireas-International Water Research Center, University of Cyprus, Cyprus

7.05.P-Tu435 Evaluation of wastewater-based epidemiology of COVID-19 approaches in Singapore's 'closed-system' scenario: a long-term country-wide assessment | **Caixia Li**, NTU, Singapore, Singapore

7.05.P-Tu436 Profiling of PAHs biomarkers in wastewater in the aspect of public health risk assessment of hazardous chemicals exposure at urban areas | **Katarzyna Styszko**, AGH University of Science and Technology, Poland

7.05.P-Tu437 A Novel Analytical Tool Using HRMS (Orbitrap) for the Estimation of Drugs of Abuse Consumption through Wastewater-based Epidemiology: Development & Application in Real Samples from Valencia, Spain | **Vasiliki Soursou**, Universidad de Valencia, Spain

7.05.P-Tu438 Wastewater-Based Epidemiology for Monitoring the Evolution of SARS-CoV-2 in Different Spanish Municipalities | **Felix Hernandez**, University Jaume (IUPA), Spain

7.05.P-Tu439 Wastewater, Useless but Valuable – a Scientific Perspective | **Oluwabunmi Femi-Oloye**, Toxicology Center, Canada

7.05.P-Tu440 Drug consumption in German cities and municipalities during the COVID-19 lockdown: a wastewater analysis | **Reinhard Oertel**, GWT-TU Dresden, Germany

7.05.P-Tu441 Neurodegenerative Disease Prevalence Rates and Sewage Sludge Heavy Metals in the United States (2017-2022) | **Melanie Newell**, Arizona State University, USA

7.05.P-Tu443 Wastewater based surveillance: more than a one trick pony | **Laura Langan**, Baylor University, USA

7.05.P-Tu444 Variation in locational response to omicron, the emergence of cryptic lineages? | **Laura Langan**, Baylor University, USA

Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services| Ludek Blaha, Marie-Helene Enrici, Alan Lawrence, Niamh O'Connor

7.06.P-Tu445 Risk assessment to support and promote efficient overall protection of biodiversity – An activity within the Horizon Europe Partnership for the Assessment of Risk from Chemicals | **Johan Axelman**, Swedish Chemicals Agency, Sweden

7.06.P-Tu446 Science-Based Recommendations to Address Chemical Pollution as a Threat to Biodiversity | **Ksenia Groh**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

7.06.P-Tu447 Building an european partnership for next- generation systems-based environmental risk assessment (PERA) – A project developing a roadmap for actionn | **Sabine Duquesne**, German Environment Agency (UBA), Germany

7.06.P-Tu448 Predicting pesticide effects on aquatic community endpoints in rice fields of southern Europe – A Bayesian network approach | **Jannicke Moe**, Norwegian Institute for Water Research (NIVA), Norway

7.06.P-Tu449 Assessing in-field effects of pesticides in the frame of the European regulation and implications for the protection of biodiversity | **Stephan Brendel**, German Environment Agency (UBA), Germany

7.06.P-Tu450 Towards an ecosystem-based approach to environmental risk assessment for freshwater ecosystems | **Claudia Rivetti**, Unilever/Safety and Environmental Assurance Centre SEAC, United Kingdom

7.06.P-Tu451 Significant improvement in freshwater invertebrate biodiversity in English river over the past 30 years | **Yueming Qu**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

7.06.P-Tu452 Can Biofilm Functional Endpoints Reflect the Ecological Status of Rivers? | **Nuria Isabel Rubio Morales**, Centro de Estudios Avanzados de Blanes, Spain

7.06.P-Tu453 A toolbox of strategies to allow successful reduction in copper PPP applications aligned with the European Green deal | **Adrian Terry**, Cambridge Environmental Assessments (CEA), United Kingdom

7.06.P-Tu454 Testing a high throughput assay for DNA-based monitoring and assessment of lake quality in England | **Niamh Eastwood**, University of Birmingham, United Kingdom

7.06.P-Tu455 Assessing Risk of Offshore Windfarms Towards Ecosystem Services | **Dries Lorré**, Ghent University, Belgium

Virtual-Only Presentations

Virtual-only presentations are not linked to a day and are viewable during the entire meeting (and up to three months after the meeting). Visit the meeting platform to view all virtual-only presentations.

Alternative Approaches to Animal Testing for Ecotoxicity Assessments: Exploring Approaches and Avenues for the Future| Adam Lillicrap, Teresa J Norberg-King, Kristin Schirmer

1.01.V-01 Reducing the number of controls in fish early life stage toxicity tests | **John Green**, JohnW-Green-ecostats.com, USA

1.01.V-02 Zebrafish Cell Lines To Assess The Cytotoxic Effect Of Single And Joint Exposures Of Antineoplastic Agents | **Magda Henriques**, University of Aveiro, Portugal

Novel Methods and Approaches for Assessing Effluents, Chemicals Toxicity and Surface Water to Support Regulations| Gerd Maack, Chloe Eastabrook, Simon Schmid, Michael Grant Bertram

1.11.V-01 Assessment of behavioral responses in the freshwater mussel Sinanodonta woodiana to exposure to six model contaminants | **Konstantina Drainas**, Technical University of Munich (TUM), Germany

Are the Sub-Individual Responses Translated Into Effects to the Higher Level of Biological Organization?| Ana-Belen Muniz-Gonzalez, Ana Marta Goncalves, Isabel Campos, Nelson Abrantes

2.04.V-01 Comparison of Species Responses to Mixed Metal Exposure | **Yared Bezabhe**, Örebro University, Sweden

Filling Gaps for Micro- And Nanoplastic Effects and Risk in Multiple Stressed Aquatic Environments| Ana I Catarino, Anna Tuulikki Kukkola, Stacey L Harper, Jana Asselman

2.11.V-01 Asparagopsis armata Exudate Combined with Virgin and Mercury-sorbed Polyethylene Microplastics: Histopathology and Byssal Thread Production of the Marine Mussel Mytilus galloprovincialis | **Diana Campos**, CESAM & Department of Biology, University of Aveiro, Portugal

2.11.V-02 Responses of Mytilus galloprovincialis in a Multi-stressor Scenario: Effects of an Invasive Seaweed Exudate and Microplastic Pollution under Global Warming | **Diana Campos**, CESAM & Department of Biology, University of Aveiro, Portugal

2.11.V-03 Combined Effect of Microplastics and Ocean Acidification on Critical Stages of the Sea Urchin (Paracentrotus Lividus) Early Development | **Juan Ignacio Bertucci**, Centro Oceanográfico de Vigo - IEO- CSIC, Spain

2.11.V-04 Implications of single and combined acute exposures to microplastics and naphthalene on the African catfish (Clarias gariepinus) | **Isioma Tongo**, University of Benin, Nigeria

2.11.V-05 Combined Effect of Microplastics and Ocean Acidification on Critical Stages of the Sea Urchin (Paracentrotus Lividus) Early Development | **Juan Bertucci**, Centro Oceanográfico de Vigo - IEO- CSIC, Spain

Advances in Exposure Modelling Towards Data-Driven Decision-Making| Antonia Praetorius, Sam Harrison, Joris T.K. Quik, Stephen Lofts

3.02.V-01 Automated tracking of changes in agricultural land use by means of deep learning | **Magnus Wang**, WSC Scientific GmbH, Germany

Climate Change in Arctic and Antarctica and Its Effect on Legacy and Emerging Micropollutants in Abiotic and Biotic Environmental Compartments| Luisa Patrolecco, Francesca Spataro, Fabiana Corami, Ida Beathe Overjordet

3.06.V-01 Brominated and Chlorinated Flame Retardants in the Air and Snowpack of Northern Norway | **Crispin Halsall**, Lancaster University, United Kingdom

Current State-Of-the Art in Understanding the Occurrence and Implications of Plastics in Terrestrial Environments| Elma Lahive, Geert Cornelis, Denise M Mitrano, Joaquim Rovira

3.08.V-01 Can Wastewater Treatment Plants' mitigate microplastic in terrestrial environment? – A comparative study of sludge treatments. | **Asta Poulsen**, Roskilde University, Denmark

3.08.V-02 Towards quality assured measurements of microplastics in soils using fluorescence microscopy | **Crispin Halsall**, Lancaster University, United Kingdom

Measuring, Modelling, and Monitoring the Environmental Fate and Exposure of Pesticides| Bernhard Jene, Pauline Iris Adriaanse, Michael Stemmer

3.17.V-01 Microextraction and Chromatographic Determination of Selected Carbamate Pesticides in Soil Samples | **Vernon Somerset**, CPUT, South Africa

3.17.V-02 Organic Matter Reduces the Sorption Capacity of the Pesticide Fipronil Onto Polyethylene Microplastics in Surface Water | **Camila Leite Madeira**, State University of Campinas, Brazil

One Health Next Generation Wastewater Management and Reuse: The Role of Non-target and Retrospective Analysis, Bioassays, and Wastewater Surveillance| Viviane Yargeau, Despo Fatta-Kassinos, Damià Barceló, Susan T. Glassmeyer

3.18.V-01 Adsorption of Congo Red and Methylene Blue on Zinc Oxide Nano-particles and Zinc Oxide Nano-particle modified Cassia fistula Seed pod | **Alimoh Alabi**, University of Ibadan, Nigeria

3.18.V-02 Development of a label-free immunosensor for the detection of HAV in recycled waters | **Asia Grattagliano**, University of Rome Tor Vergata, Italy

3.18.V-03 Critical Review and Meta-Analysis of Hazardous Pollutants in Treated Wastewater for Environmental Policy of Water Reuse in Sweden | **Uzair Akbar Khan**, Swedish University of Agricultural Science, Sweden

Polymer Additives and Their Transformation Products as Chemicals of Emerging Concern: Environmental Emissions, Fate Processes, and Impacts| Cassandra Johannessen, Markus Brinkmann, Steve Wiseman

3.21.V-01 Additive chemicals in plastic marine debris and fishing gears | **Mi Jang**, Korea Institute of Ocean Science and Technology, Korea, Republic of (South)

3.21.V-02 Environmental monitoring of 6PPD-quinone present in stormwater across Canadian cities | **Niteesh Jain**, University of Saskatchewan, Canada

POPs and Emerging Pollutants: Env. Fate, Research and Monitoring at the Interfaces of Science and Policy & Application of Green Removal Technologies| Ana Barreiro, Oksana Golovko, Tom Harner, Ramon Guardans

3.22.V-01 Smallholder Farms Irrigating With Water Potentially Containing Contaminants of Emerging Concern: Possible Effects of Contaminated Water on Soil Quality | **Fanelesibonge Vilakazi**, ARC-SCW, South Africa

3.22.V-02 Chlorinated organophosphate flame retardants in childcare articles | **Misbah Alghamdi**, University of Birmingham, United Kingdom

New Approaches, Methodologies and Policies in Environmental and Human Health Risk Assessment| Iseult Lynch, Yue Ge, Alberto Pivato, George Kuttiparichel Varghese

4.10.V-01 Association Between Mercury Levels And Human Reproductive Health: A Cross-Sectional Study | **Magda Henriques**, University of Aveiro, Portugal

LCA as an Effective Tool in Decision-making| Agneta Ghose, Annika Erjavec, Tomas Ekvall, Nicole Unger

5.04.V-01 Carbon footprint of Osaka Expo in 2025 | **Ryusei Murata**, Tokyo City University, Japan

5.04.V-02 Life cycle assessment of a district cooling plant – effect of temporally-resolved electricity and heat supplies | **Doris Rixrath**, University of Applied Sciences Burgenland, Austria

5.04.V-03 The Environmental Cost of Plant-based Meat: A Lifecycle Assessment | **Nichole Eunice Lalas**, Tokyo City University, Japan

Next Generation of Risk Assessment and Management of Chemicals to Address Nature Preservation and Ecosystem Services| Ludek Blaha, Marie-Helene Enrici, Alan Lawrence, Niamh O'Connor

7.06.V-01 Artificially mimicking fluvial ecosystems to study the influence of biofilms on toxicity potential of chemical using bioenergetics traits of fish (Gambusia affinis) | **Amina Khalid**, Universitat de Girona, Spain

7.06.V-02 Effects of Palm Kernel Oil, Olive Oil, Crude Oil and Honey on Renal Function of Male Albino Rats | **Chinedu Imo**, Federal University Wukari, Nigeria

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Wednesday 3 May

WEDNESDAY SCHEDULE		
07:30–19:15	Cloakroom	
08:00–08:45	Poster Setup	Exhibition Hall (The Forum)
08:00–18:30	Badge Pick-up and Registration	Registration Area (Ground Floor Foyer)
08:00–17:00	Speaker Ready Room Open	Liffey Boardroom 3 (Level 01)
08:00–17:00	JRF Global – Individual Customer Meetings	Liffey Meeting Room 5 (Level 01)
08:00–17:00	Smithers – Individual Customer Meetings	Liffey Meeting Room 4 (Level 01)
08:30–12:30	Training Course: Citizen Science: An Untapped Resource for Environmental Research and Raising Awareness (TC01)	Wicklow Meeting Room 1 (Level 02)
08:45–10:05	**Presentation Sessions**	
10:05–10:45	Coffee & Poster Break	Exhibition Hall (The Forum)
10:45–12:05	**Presentation Sessions**	
11:00–12:00	SETAC Europe Awards Committee Meeting	Liffey Meeting Room 1 (Level 01)
12:05–13:05	Interest Group Summit (Lunch Provided)	Wicklow Meeting Room 4 (Level 02)
12:05–13:35	Lunch & Poster Break	Exhibition Hall (The Forum)
12:05–13:35	**SETAC Europe Annual General Assembly (Lunch Provided)**	**Level 3 West Wing (Level 03)**
12:05–13:35	Walking and Running Tour	
12:05–13:35	PerkinElmer Sponsored Lunch Seminar - Precision Monitoring of Environmental Challenges Aimed At Ensuring the Sustainable Development of Our Planet	Wicklow Meeting Room 3 (Level 02)
12:05–13:35	Waters Sponsored Lunch Seminar - The Threatening Four - High-end solutions for the analysis of PFAS, Pesticides, Pharmaceuticals and Personal Care Products by Waters	Wicklow Meeting Room 2 (Level 02)
13:35–14:55	**Presentation Sessions**	
14:00–16:00	Students Annual General Assembly	Level 3 West Wing (Level 03)
14:55–15:35	Coffee & Poster Break	Exhibition Hall (The Forum)
15:15–16:45	Kayak on the Liffey River	
15:30–16:30	Endocrine Disruptors Testing and Risk Assessment Interest Group	Wicklow Meeting Room 2 (Level 02)
15:35–16:35	**Topical Discussions**	
15:35–16:35	Wildlife Toxicology Interest Group Annual Meeting	Wicklow Meeting Room 1 (Level 02)
15:35–18:00	Interpretation and integration in Life Cycle Sustainability Assessment: methodological challenges and the way forward in ORIENTING Meeting	Liffey Meeting Room 1 (Level 01)
16:30–18:00	Open Meeting of the SETAC Plants Interest Group	Wicklow Meeting Room 2 (Level 02)
16:30–18:30	Global Animal Alternatives Interest Group	Wicklow Meeting Room 5 (Level 02)
16:35–16:45	Break	Exhibition Hall (The Forum)
16:45–17:45	**Daily Plenary: Anja Gladbach**	**The Liffey B (Level 01)**
17:00–19:00	ECETOC - MARII	Wicklow Meeting Room 1 (Level 02)
17:45–18:45	SETAC Europe Council Meeting	Wicklow Meeting Room 4 (Level 02)
17:45–18:45	**Poster Social & Poster Corners**	**Exhibition Hall + Foyer Levels 1,2 and 3**
19:30–23:55	**Congress Dinner**	**Guinness Storehouse**

The event will also be live streamed on the virtual platform.

Topical Discussions

WEDNESDAY TOPICAL DISCUSSION SESSIONS | 15:35–16:35	
Environmental risk of sunscreens and cosmetic products | Carys L. Mitchelmore, Charlie Menzie, Iain Davies	Liffey Hall 1 (Level 01)
New Approach Methodologies (NAMs) within environmental protection - from science to solutions | Bruno Campos, Anze Zupanic, Samuel Maynard, Kristin Schirmer	Liffey Hall 2 (Level 01)
Environmental assessment of Biobased Fertilizers application from Agronomics, Ecotoxicology and Life Cycle Assessment perspectives. The story of three worlds that shouldn't be so far | Jorge Senan-Salinas, Simone Fazio, Nancy Peña	Wicklow Hall 1 (Level 02)
Updating Polymer Regulation: Leveraging Science for Better Risk Assessment | David Schaffert, Ksenia J Groh, Amelie Ott	Wicklow Hall 2B (Level 02)

Plenary Speaker

16:45–17:45 | The Liffey B (Level 01)

5 years experience in sharing industry safety studies: Where did we start, where are we now and what have we learnt? A reflection about Open Science, trust and the way ahead of us.

Anja Gladbach, Bayer AG

Anja Gladbach is a biologist and ecologist by training with experiences from both working in academia and industry. During her diploma thesis on the behavioral ecology of small petrels in Antarctica, she became very interested in the interlinkage of individual life-history and evolutionary ecology in socially monogamous birds. She thus continued to work on this topic during her PhD at the Max-Planck-Institute for Ornithology, studying Upland Geese on the Falkland Islands. After receiving her doctoral degree from the University of Munich, she first worked for a CRO supporting regulatory risk assessments for agrochemicals with a special emphasis on terrestrial vertebrates and integration of higher-tier ecological evidence. In 2016, she joined Bayer CropScience as an Environmental Safety Manager. Besides her core responsibilities for environmental risk assessments and global legislation for crop protection products, she very much enjoys working in industry / academia partnerships on topics beyond regulatory. Sustainability related questions like the reduction of environmental impact of crop protection or biodiversity not only need joint efforts and knowledge from all stakeholders, but especially good-quality data. For this reason, Gladbach builds on her engagement in the Bayer Transparency Initiative and SETAC Open Science ad-hoc group, aiming to foster data and evaluation quality and transparency, communication and education around science-based environmental risk assessments, regulatory data and both associated complexities and opportunities.

On a personal note, she enjoys life with her husband and 2 teenage daughters, growing her own vegetables, travelling, hiking, photography, sewing, reading...(and thus could make perfect use of Hermione Grangers time-turner).

Wednesday Platform Presentations Morning 1

	08:50	09:05	09:20
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks		
	3.13.A.T-01 Data gap-driven prioritization of active pharmaceutical ingredients based on predicted environmental risk | **Cristiana Cannata**, Radboud University Nijmegen, Netherlands	**3.13.A.T-02** Prioritisation of Companion Animal Parasiticides in UK Rivers | **Isla Thorpe**, University of York, United Kingdom	**3.13.A.T-03** Regional Scale Modelling of Pharmaceutical Pollution in Rivers by Integrating Rural and Urban Sources | **Ad Ragas**, Radboud University, Netherlands
Liffey B	**Towards Harmonized Nano- And Microplastics Quantification: Reference Materials, Analytics and Improved Experimental Designs**| ...		
	3.25.A.T-01 Analytical windows into the world of microplastics - as defined by sampling and analytical constraints | **Richard Cross**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**3.25.A.T-02** Systematic evaluation of fragmentation of five common synthetic polymers: Influence of photolysis, temperature and relative humidity on fragment size distribution and material characteristics | **Katherine Santizo**, BASF SE, Germany	**3.25.A.T-03** Microplastic Metrology: Creation and characterization of microplastic reference materials | **Katherine Shaw**, National Institute of Standards and Technology (NIST), USA
Liffey Hall 1	**LCA and Beyond – Integrating Sustainability and/or Other Dimensions for a More Comprehensive Analysis**| Roland Hischier, Maria Rydberg		
	5.03.A.T-01 Assessment of sustainability labels in the context of a life cycle assessment | **Andreas Roesch**, Agroscope, Switzerland	**5.03.A.T-02** Enabling a Holistic Assessment for Foodware and Food Packaging to Protect Environmental and Human Health | **Jane Muncke**, Food Packaging Forum (FPF), Switzerland	**5.03.A.T-03** Consequential Life Cycle Assessment of a Diet Change Following Planetary Boundaries Recommendations | **Aurore Guillaume**, KU Leuven, Belgium
Liffey Hall 2	**Data-Driven Environmental Decision-Making: Generating Relevant Datasets for Regulatory Assessment of Endocrine-Disruption**| ...		
	6.03.A.T-01 New transgenic medaka model to detect disruption of thyroid signalling | **Elise Pesce**, Laboratoire Watchfrog, France	**6.03.A.T-02** Refining in vivo Fish Tests by inclusion of Thyroid Hormone System Sensitive Endpoints to improve Regulatory relevant Data | **Henrik Holbech**, University of Southern Denmark, Denmark	**6.03.A.T-03** An Amphibian Metamorphosis Assay Dietary Restriction Study: Lessons for Data Interpretation | **Joseph Marini**, Smithers, USA
Liffey Meeting Room 2	**Environmental Assessment of Nanomaterials, Research to Regulation: From hazard and risk to grouping and similarity approaches**| ...		
	6.05.T-01 Trimetal-based nanomaterials induced toxicity to plants: does it differ from mixed and single element nanoparticles | **Yuchao Song**, CML Leiden University, Netherlands	**6.05.T-02** Determination of the Hydrophobicity Index of Nanomaterials: Method, Testing and Applications | **Cloe Desmet**, European Commission - Joint Research Centre, Italy	**6.05.T-03** Findable, Accessible, Interoperable and Repeatable use of historical ecotoxicological data for nanomaterial governance | **Andrew Barrick**, Universite Catholique de L'Ouest, France
EcoCem Room	**New Developments in Sediment Ecotoxicology and Risk Assessment**| Alan J. Jones, Ivo Roessink		
	2.14.T-01 Effect of Chronic Exposure of Sediment-associated Neurotoxic Pharmaceutical Sertraline on the Reproduction of Benthic Deposit Feeder, Tubifex tubifex | **Wing Sze Chan**, Roskilde University, Denmark	**2.14.T-02** From the Sediment Into the Biomass: Microplastic Uptake in a Protected Sediment Dwelling Species | **Flora Rendell-Bhatti**, University of Stirling, United Kingdom	**2.14.T-03** Conducting chronic sediment toxicity studies to reduce uncertainty for plant protection products | **Alan Samel**, FMC, USA
Wicklow Hall 1	**Sources, Fate, and Effects of Metals in the Environment**| Stijn Baken, Sean Comber		
	3.23.A.T-01 Metal Analysis in Low-Volume Tissues Using LA-ICP-MS: Benefits for Non-lethal and Non-invasive Biomonitoring | **Jennie Christensen**, TrichAnalytics Laboratory, Canada	**3.23.A.T-02** Influence of Earthworms on the Bioavailability of Metals and Radionuclides in Soil | **Nathalie Vanhoudt**, Belgian Nuclear Research Centre (SCK CEN), Belgium	**3.23.A.T-03** Mechanism of arsenite immobilisation by different zerovalent iron-based sorbents in contaminated soils | **Geert Cornelis**, Swedish University of Agricultural Sciences, Sweden
Wicklow Hall 2A	**Innovations in Analytical Methods Used for Monitoring Emerging Contaminants in Marine and Freshwater Aquatic Environments**| ...		
	3.15.A.T-01 A Novel Chemcatcher-Based Method for the Integrative Passive Sampling of Hydrophilic Micropollutants in Surface Water | **Naomi Reymond**, University of Lausanne, Switzerland	**3.15.A.T-02** Water-Soluble Plastics: An Emerging Concern in Freshwater Environments | **Eve Tarring**, Cardiff University, United Kingdom	**3.15.A.T-03** Passive sampler design determines polar micropollutant adsorption and subsequent bioassay responses | **Milo de Baat**, KWR Water Research Institute, Netherlands
Wicklow Hall 2B	**Field Studies, Monitoring and Effects Research in Wildlife**| Ana Lopez Antia, Lee Walker, Alexander Badry, Ralf Dittrich		
	2.10.A.T-01 POPs Maternal Transference and Consequences for Egg Development and Reproduction Success in Green Sea Turtles (Chelonia mydas) | **Inês Morão**, Polytechnic of Leiria & MARE, Portugal	**2.10.A.T-02** Anticoagulant rodenticide toxicity in terrestrial raptors: new tools to estimate the potential impact of mortality on populations | **John Elliott**, Environment and Climate Change Canada, Canada	**2.10.A.T-03** Development of innovative physiological-based kinetic (PBK) model to predict exposure of small mammals to anti-coagulant rodenticides, posing high risks to environmental health (urine and/or faeces) | **Yiming Liu**, Wageningen University & Research, Netherlands
Level 3 East Wing	**Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment**| David Olszyk, Guido Gonsior, Elisabeth Maria Gross, Valeska Contardo Jara		
	2.02.T-01 Novel genomic markers of susceptibility to paraquat, diuron and atrazine in Chlamydomonas reinhardtii | **Anze Zupanic**, National Institute of Biology, Slovenia	**2.02.T-02** Exposure of Lemna Minor (Common Duckweed) To Uranium and Perfluorooctanoic Acid (PFOA) And Associated Biological Effects | **Annelise Gonzales**, Clemson University, USA	**2.02.T-03** Can we predict regime shifts in shallow aquatic systems exposed to multiple stressors? – Conclusions from micro- and mesocosm experiments | **Elisabeth Gross**, University of Lorraine, France

Wednesday Platform Presentations Morning 1

	09:35	09:50
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks	
	3.13.A.T-04 Modelling Multitudes of Pharmaceuticals in the Global River System at High Spatial Resolution to Prioritize Substances that Cause the Highest Risk | **Heloisa Ehalt Macedo**, McGill University, Canada	**3.13.A.T-05** Probabilistic Assessment and Prioritisation of Future Pharmaceutical Environmental Risks | **Jannicke Moe**, Norwegian Institute for Water Research (NIVA), Norway
Liffey B	| Denise M Mitrano, John Norman, Meredith Evans Seeley, Albert A. Koelmans	
	3.25.A.T-04 Granulometric Proxy-based Geo-spatial Prediction of Microplastic Inventories in Sediments | **Kristina Enders**, IPF, Germany	**3.25.A.T-05** Microplastic Effects Tests Should use a Standard Heterogeneous Mixture: Multifarious Impacts among Sixteen Benthic Invertebrate Species Detected, under Ecologically Relevant Conditions | **Vera Ruijter**, Wageningen University & Research, Netherlands
Liffey Hall 1	**LCA and Beyond – Integrating Sustainability and/or Other Dimensions for a More Comprehensive Analysis**| Roland Hischier, Maria Rydberg	
	5.03.A.T-04 Revisiting the Territorial Life Cycle Assessment Framework to Account For Ecosystem Services | **Cécile Bulle**, UQAM, Ecole des sciences de la gestion, Canada	**Poster spotlight** 5.03.P-We315, 5.03.P-We320, 5.03.P-We325
Liffey Hall 2	| Lisa Annie Baumann, Emily McVey, Jeffrey C. Wolf, Laurent L.-M. Lagadic	
	6.03.A.T-04 Amphibian Studies to Investigate the ED Properties Through the Thyroid Modality: A Comparison of Their Statistical Power. | **Simone Rizzuto**, European Food Safety Authority (EFSA), Italy	**6.03.A.T-05** Amphibians in thyroid disruption assessment: from testing strategies to the identification of thyroid-related effect patterns | **Laurent Lagadic**, Bayer AG, Germany
Liffey Meeting Room 2	| Marianne Matzke, Kai Benjamin Paul, Claus Svendsen	
	6.05.T-04 Towards Harmonisation of Testing of Nanomaterials for EU Regulatory Requirements on Chemical Safety - A Proposal for Further Actions | **Eric Bleeker**, National Institute for Public Health and the Environment (RIVM), Netherlands	**6.05.T-05** How to categorize and assess "Advanced Materials": The InnoMat.Life / HARMLESS approach | **Wendel Wohlleben**, BASF SE, Germany
EcoCem Room	**New Developments in Sediment Ecotoxicology and Risk Assessment**| Alan J. Jones, Ivo Roessink	
	2.14.T-04 Presentation TBD	**2.14.T-05** Extending a Quantitative Weight of Evidence Approach to Include 'Omics in Sediment Quality Assessment: The Case Study of a Venice Lagoon Canal | **Martina Cecchetto**, University Ca' Foscari of Venice, Italy
Wicklow Hall 1	**Sources, Fate, and Effects of Metals in the Environment**| Stijn Baken, Sean Comber	
	3.23.A.T-04 Behaviour of Advanced Materials in environmental aquatic media - Dissolution kinetic and dispersion stability of metal-containing perovskites for the automotive catalysis sector | **Veronica Di Battista**, BASF SE, Germany	**3.23.A.T-05** Fish mercury relevant to geographic variations in socioeconomic development | **Yong Cai**, Florida International University, USA
Wicklow Hall 2A	| Fiona Regan, Tarun Anumol, Evin McGovern, Brendan McHugh	
	3.15.A.T-04 Occurrence of Wastewater-Borne Contaminants in Wild River Fish Tissues by ULPC-HRMS/MS | **Diana Manjarrés**, IDAEA-CSIC, Spain	**3.15.A.T-05** Application of Compound-Specific Isotope Analysis (Csia) In Identifying Sources and Transformation Mechanisms of the Main Synthetic Musk Compound (Galaxolide) | **Hatice Turan**, Université de Pau et des Pays de l'Adour (UPPA), France
Wicklow Hall 2B	**Field Studies, Monitoring and Effects Research in Wildlife**| Ana Lopez Antia, Lee Walker, Alexander Badry, Ralf Dittrich	
	2.10.A.T-04 Environmental pollution and nutritional quality modulate immune response of the wood mouse (Apodemus sylvaticus) through hormonal disturbances | **Quentin Devalloir**, Laboratoire Chrono Environnement, France	**2.10.A.T-05** In natura exposure of soil, earthworms and small mammals to pesticides in agricultural landscapes: from fears to facts | **Celine Pelosi**, INRAE (Institut National de la Recherche Agronomique), France
Level 3 East Wing	**Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment**| David Olszyk, Guido Gonsior, Elisabeth Maria Gross, Valeska Contardo Jara	
	2.02.T-04 Use of Visual Phytotoxicity for ER50 Derivation in Non-Target Terrestrial Plant Studies | **Giovanna Meregalli**, Corteva Agriscience, Italy	**2.02.T-05** Biochar and Other Amendments for Douglas fir Survival and Growth on Acidic Mine Tailings | **David Olszyk**, U.S. Environmental Protection Agency, USA

COFFEE & POSTER BREAK

Wednesday Platform Presentations Morning 2

	10:50	11:05	11:20
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks		
	3.13.B.T-01 Effect of lowering pH and increasing temperature on toxicity of sulfamethoxazole to Daphnia magna | **Katarzyna Bethke**, University of Gdansk, Poland	**3.13.B.T-02** Molecular, Biochemical and Cellular Effects of Single and Combined Pharmaceuticals in Mytilus galloprovincialis | **Marica Mezzelani**, Marche Polytechnic University, Italy	**3.13.B.T-03** A year-long study of the occurrence and risk assessment of over 140 contaminants of emerging concern in a range of aquatic matrices in the Republic of Ireland | **Helena Rapp Wright**, Imperial College London, Dublin City University, Ireland
Liffey B	**Towards Harmonized Nano- And Microplastics Quantification: Reference Materials, Analytics and Improved Experimental Designs**| ...		
	3.25.B.T-01 Improvements in micro- and nanoplastic mass detection by TED-GC/MS | **Paul Eisentraut**, BAM - Federal Institute for Materials Research and Testing, Germany	**3.25.B.T-02** Identification and Quantification of Microplastic in Environmental Samples by a Combinded Method of Separation and Differential Scanning Calorimetry | **Kathrin Harre**, University of Applied Sciences Dresden, Germany	**3.25.B.T-03** The integration of further analysis in a standardized biodegradability test system can lead to better insights into microplastic degradation | **Eva-Maria Teggers**, INVITE GmbH, Germany
Liffey Hall 1	**LCA and Beyond – Integrating Sustainability and/or Other Dimensions for a More Comprehensive Analysis**| Roland Hischier, Maria Rydberg		
	5.03.B.T-01 On the complexity of sustainable production-consumption systems: using agent-based modelling to understand the role of sustainable behaviours | **Antonino Marvuglia**, Luxembourg Institute of Science and Technology (LIST), Luxembourg	**5.03.B.T-02** Life Cycle Sustainability Assessment using the Social Footprint methodology 2021:Comparing sustainability performance of bio fiber with conventional glass fiber | **Hanie Zarafshani**, KU Leuven, Belgium	**5.03.B.T-03** Implementing and extending different types of LCA, focusing on sustainability assessment of investment products | **Thomas Schaubroeck**, Luxembourg Institute of Science and Technology (LIST), Luxembourg
Liffey Hall 2	**Data-Driven Environmental Decision-Making: Generating Relevant Datasets for Regulatory Assessment of Endocrine-Disruption**| ...		
	6.03.B.T-01 Evaluation of Interactions of Endocrine Disrupting Chemicals (EDCs) with Human and Zebrafish Nuclear Receptors (NRs) using Reporter Cell Lines | **Anna Toso**, Ecole doctorale CBS2, France	**6.03.B.T-02** Nuclear Receptor-mediated Endocrine Disruption in marine invertebrates: a case study with the Mediterranean mussel Mytilus galloprovincialis | **Angelica Miglioli**, University of Genova, France	**6.03.B.T-03** Are changes in vitellogenin concentrations in fish reliable indicators of chemical-induced endocrine activity? | **Rebecca Brown**, wca consulting, United Kingdom
Liffey Meeting Room 2	**Nanoparticle Biological Interactions and Their Responses**| Olga V. Tsyusko, Susana Loureiro, Kai Benjamin Paul		
	1.10.T-01 Bionano Interactions: A Key to Mechanistic Understanding of Nanoparticle Toxicity | **Vladimir Lobaskin**, University College Dublin, Ireland	**1.10.T-02** Mechanistic Insight for Microbiota-Inclusive Nanotoxicology: Metabolite Corona and TLR2 Signaling | **Bregje Brinkmann**, Leiden University, Netherlands	**1.10.T-03** Biotransformation of ceria nanoparticles determines its toxicity to freshwater planarian Dugesia japonica | **Zhiling Guo**, University of Birmingham, United Kingdom
EcoCem Room	**Bioremediation and Phytoremediation of Aquatic and Terrestrial Contaminated Ecosystems**| Anna Barra Caracciolo, Michel Chalot, Jose Julio Ortega-Calvo		
	4.04.T-01 Increasing the Removal of Micropollutants in Municipal Wastewater by Natural Adsorbents Addition in Constructed Wetlands: Road to Circular Economy | **Nuria López Vinent**, IDAEA-CSIC, Spain	**4.04.T-02** Towards the transformation of a contaminated industrial wasteland into a living-lab based on a phyto-management approach | **Michel Chalot**, Université de Bourgogne Franche-Comté, France	**4.04.T-03** Effects of the Addition of Organic Amendments on the Adsorption of Atenolol, Ibuprofen and Tetracycline in Two Agricultural Soils | **Marco A. Jiménez-González**, Universidad Autónoma de Madrid (UAM), Spain
Wicklow Hall 1	**Sources, Fate, and Effects of Metals in the Environment**| Stijn Baken, Sean Comber		
	3.23.B.T-01 Can Plastic Pollution Affect the Environmental Fate of (Trace) Elements? A Preliminary Investigation in Water | **Gilberto Binda**, Norwegian Institute for Water Research (NIVA), Norway	**3.23.B.T-02** Acute and Chronic Effects of Olivine Exposure in the Marine Amphipod Gammarus Locusta | **Gunter Flipkens**, University of Antwerp, Belgium	**3.23.B.T-03** Monitoring of Trace Metals in Global Air: Results From the GAPS and GAPS Megacities Networks | **Jacob Mastin**, Environment and Climate Change Canada, Canada
Wicklow Hall 2A	**Innovations in Analytical Methods Used for Monitoring Emerging Contaminants in Marine and Freshwater Aquatic Environments**| ...		
	3.15.B.T-01 Monitoring pollution pathways in river water by predictive path modelling using untargeted GC-MS measurements | **Maria Cairoli**, Radboud University Nijmegen, Netherlands	**3.15.B.T-02** Unknown PFAS revealed by the Total Oxidizable Precursor assay: towards a better understanding of their occurrence and transfers in marine biota | **Yann Aminot**, IFREMER, France	**3.15.B.T-03** Novel antibody-based methods for emerging contaminant sensing | **Caroline Murphy**, Dublin City University, Ireland
Wicklow Hall 2B	**Field Studies, Monitoring and Effects Research in Wildlife**| Ana Lopez Antia, Lee Walker, Alexander Badry, Ralf Dittrich		
	2.10.B.T-01 Factors modulating exposure of red-legged partridges to pesticides: diet and spatial ecology | **Elena Fernández Vizcaíno**, Instituto de Investigación en Recursos Cinegéticos (IREC) CSIC-UCLM-JCCM, Spain	**2.10.B.T-02** Feathers as temporal archives of ecological stress and metal exposure in a terrestrial raptor: a long-term study on breeding tawny owls | **Elisabeth Hansen**, UiT the Arctic University of Norway, Norway	**2.10.B.T-03** Monitoring veterinary pharmaceuticals in livestock carcasses supplemented for avian scavengers | **Marta Herrero Villar**, Institute for Game and Wildlife Research, IREC (CSIC-UCLM), Spain
Level 3 East Wing	**Precision Application – A Way to Reduce Environmental Risk?**| Michael Faupel, Steven Droge, Maike Habekost, Rena Jutta Irene Isemer		
	7.08.T-01 Digitalization - Chances and Risks of New Technologies in Plant Protection for the Environment and Sustainability | **Michael Hess**, Umweltbundesamt, Germany	**7.08.T-02** Exploring Groundwater Leaching Concentrations From Partial-Area Applications: A Two-Dimensional Modelling Exercise | **Bernhard Jene**, BASF SE, Germany	**7.08.T-03** Precision application and soil organisms – matter of scatter or just chatter? | **Jörg Hanisch**, Rifcon GmbH, Germany

Wednesday Platform Presentations Morning 2

	11:35	11:50
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks	
	3.13.B.T-04 Occurrence of Emerging Contaminants in Wastewater and Groundwater in Botswana | **Kgato Selwe**, University of York, United Kingdom	**3.13.B.T-05** Presence & Removal of Psychopharmaceuticals & Transformation Products from Dutch Wastewater Streams | **Charlie Davey**, University of Amsterdam, Netherlands
Liffey B	| Denise M Mitrano, John Norman, Meredith Evans Seeley, Albert A. Koelmans	
	3.25.B.T-04 On the Potential of Analysing Biodegradability of Microplastics with Stable Isotope Raman Microspectroscopy | **Kara Müller**, Technical University of Munich, Germany	**3.25.B.T-05** Differentiating between microplastics, algae and dissolved organic matter using single particle ICP-TOFMS | **Lyndsey Hendriks**, TOFWERK AG, Switzerland
Liffey Hall 1	**LCA and Beyond – Integrating Sustainability and/or Other Dimensions for a More Comprehensive Analysis**| Roland Hischier, Maria Rydberg	
	5.03.B.T-04 Methodological approach to account for natural hazards in the Life Cycle Assessment of the energy production sector | **Alejandra Cue Gonzalez**, MINES Paris - PSL, France	**5.03.B.T-05** **5.03.P-We314** Towards prospective territorial LCAs: considering the effects of global and local environmental changes on the performance of irrigated areas | **Nicolas Rogy**, National Research Institute for Agriculture, Food and Environment (INRAE), France
Liffey Hall 2	| Lisa Annie Baumann, Emily McVey, Jeffrey C. Wolf, Laurent L.-M. Lagadic	
	6.03.B.T-04 Population Models in a Hazard Assessment: Population Relevance of the Effects of Endocrine Active Substances | **Alice Tagliati**, Enviresearch Ltd, United Kingdom	**6.03.B.T-05** AOP linking RAR/RXR overactivation to feeding disruption | **Audrey Phan**, Masaryk University, Czech Republic
Liffey Meeting Room 2	**Nanoparticle Biological Interactions and Their Responses**| Olga V. Tsyusko, Susana Loureiro, Kai Benjamin Paul	
	1.10.T-04 Investigating the Impact of Environmental Transformation of Nanomaterials on Their Fate of Nanomaterials Using Isotopic Enrichment and a pilot Wastewater Treatment Plant | **Sebastian Kuehr**, Norwegian Institute for Water Research (NIVA), Norway	**Poster spotlight** 1.10.P-We001, 1.10.P-We002, 1.10.P-We003
EcoCem Room	**Bioremediation and Phytoremediation of Aquatic and Terrestrial Contaminated Ecosystems**| Anna Barra Caracciolo, Michel Chalot, Jose Julio Ortega-Calvo	
	4.04.T-04 Harnessing waterfleas for water reclamation | **Luisa Orsini**, University of Birmingham, United Kingdom	**4.04.T-05** Bioremediation of alkaline spoil material using organic amendments in the circular economy context | **Anna Barra Caracciolo**, Water Research Institute - National Research Council - CNR-IRSA, Italy
Wicklow Hall 1	**Sources, Fate, and Effects of Metals in the Environment**| Stijn Baken, Sean Comber	
	3.23.B.T-04 Field Application of a Model of Proton and Metal Mixture Bioavailability and Effects | **Stephen Lofts**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**3.23.B.T-05** Using a Dynamic Energy Budget Model to Investigate Nickel (Ni) Toxicity to Lymnaea stagnalis | **Kristi Weighman**, Ghent University, Belgium
Wicklow Hall 2A	| Fiona Regan, Tarun Anumol, Evin McGovern, Brendan McHugh	
	3.15.B.T-04 Comprehensive Coverage of Both Known and Unknown PFAS in Ocean, Leachate, and Lake Foam using Non-Targeted Analysis and FluoroMatch 3.0 | **Stephan Baumann**, Agilent Technologies, Inc., USA (I)	**3.15.B.T-05** Study of the influence of seasonal conditions on the occurrence of pharmaceuticals in Irish surface waters | **Dylan O'Flynn**, Dublin City University, Ireland
Wicklow Hall 2B	**Field Studies, Monitoring and Effects Research in Wildlife**| Ana Lopez Antia, Lee Walker, Alexander Badry, Ralf Dittrich	
	2.10.B.T-04 The ATTAC guiding principles to openly and collaboratively share wildlife ecotoxicology data | **Cynthia C. Munoz**, Radboud University, Netherlands	**2.10.B.T-05** Frontiers in Quantifying Wildlife Behavioural Responses to Chemical Pollution | **Michael Bertram**, Swedish University of Agricultural Sciences, Sweden
Level 3 East Wing	**Precision Application – A Way to Reduce Environmental Risk?**| Michael Faupel, Steven Droge, Maike Habekost, Rena Jutta Irene Isemer	
	7.08.T-04 Modelling Spray Drift in Precision Applications | **Henk Jan Holterman**, Wageningen University & Research, Netherlands	**7.08.T-05** DriftRadar by Bayer: Integrated Drift Management During Spray Operation to Prevent Drift | **Andrew Chapple**, Bayer AG, Germany

LUNCH & POSTER BREAK

Wednesday Platform Presentations Afternoon

	13:40	13:55	14:10
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks		
	3.13.C.T-01 Contribution of Septic Tanks to Pharmaceutical Concentrations in Rivers | **Maike Wilschnack**, Robert Gordon University, United Kingdom	**3.13.C.T-02** Sewage overflows and historical landfills affecting pharmaceutical pollution in Scottish rivers: Spatiotemporal distribution and hazards | **John Wilkinson**, University of York, United Kingdom	**3.13.C.T-03** Seasonal Speciation of Pharmaceuticals Within a Full-Scale Free Water Surface Constructed Wetland in England | **Emma Vaughan**, University of Bath, United Kingdom
Liffey B	**Tire Wear and Microrubber Particles – Problems to Solution**| Farhan R. Khan, Frank G.A.J. Van Belleghem, Pieter-Jan Jan Kole		
	4.14.T-01 Mapping our way towards an integrative, tire microplastic mitigation strategy in a multi-stakeholder context | **Sya Hoeke**, Open University, Netherlands	**4.14.T-02** Online thermogravimetric-gas chromatography mass spectrometry coupling for a fast detection and quantification of tyre wear particles in road dusts | **Kieran Evans**, University of Surrey, PerkinElmer, United Kingdom	**4.14.T-03** Tire Wear Particles and Chemicals: Emissions, Runoff, and Presence in San Francisco Bay, USA | **Kelly Moran**, San Francisco Estuary Institute, USA
Liffey Hall 1	**Life Cycle Impact Assessment Modeling and Application**| Roland Hischier, Alexis Laurent, Olivier Jolliet		
	5.05.T-01 Characterizing sea level rise potential impacts on coastal ecosystem services in Life Cycle Impact Assessment | **Laura Debarre**, CIRAIG - École Polytechnique de Montréal, Canada	**5.05.T-02** Estimation of potential economic value losses due to resource dissipation in LCA through the EVDP method: A case on LIB recycling | **Antoine Beylot**, French Geological Survey, BRGM, France	**5.05.T-03** Temporal Inconsistencies in LCA : Dynamic Climate Change Characterization Factors | **Guillaume Batôt**, IFP Energies Nouvelles, France
Liffey Hall 2	**Using New Approach Methods to Move from Descriptive to Mechanistic Ecotoxicology**| Colette vom Berg, Tamara Tal, Sarah Könemann		
	1.14.T-01 Enhancing the Quantitative Understanding of an Adverse Outcome Pathway Network for Mitochondrial Dysfunction Using In Vitro and In Silico New Approach Methodologies | **Maria Hultman**, Norwegian Institute for Water Research (NIVA), Norway	**1.14.T-02** AOP-Based Evidence from Chicken Embryos and the Chicken Hepatic LMH Cell Line that Bisphenol A and Ethinyl Estradiol Induce Dysregulation of Bile Acid Homeostasis in Birds | **Tasnia Sharin**, Environment and Climate Change Canada, Canada	**1.14.T-03** Evaluation of Thyroid Hormone System Disrupting Potential of Resorcinol in Fish Using an AOP-Based Approach | **Imke Van Dingenen**, University of Antwerp, Belgium
Liffey Meeting Room 2	**Agriculture in the 21st Century: Balancing Food Security with Environmental and Public Health**| Soledad Peresin, Jorge Gardea-Torresdey, Paola Battilani, Claudia Vaj		
	7.01.T-01 A random forest machine learning model for prediction of NMs root uptake and translocation in plants based: application of nanoinformatics in sustainable and precision agriculture | **Iseult Lynch**, University of Birmingham, United Kingdom	**7.01.T-02** Ensuring Sustainability of Nanotechnology in Agriculture through Practices of Responsible Innovation | **Khara Grieger**, North Carolina State University, USA	**7.01.T-03** Nanobiotechnology-based Strategies for Enhanced Crop Stress Resilience | **Jason White**, Connecticut Agricultural Experiment Station, USA
EcoCem Room	**Ecotoxicology of Biota Inhabiting Wetland Ecosystems**| Frances Orton, Manuel Ortiz Santaliestra, Andreu Rico		
	2.09.T-01 Effects of the fungicide azoxystrobin in two ecotypes representative of Mediterranean coastal wetlands: a mesocosm experiment | **Pablo Amador**, University of Valencia, Spain	**2.09.T-02** Using non-lethal measures of fish and invertebrate health to assess the impacts of fertilizing wild rice with aquaculture waste | **Vince Palace**, IISD Experimental Lakes Area (IISD-ELA), Canada	**2.09.T-03** Synergistic Effects of Larval Exposure to an Aquatic Pollutant and Food Stress Get Stronger After Metamorphosis in an Amphibious Insect of Temporary Wetlands | **Sarah Jorissen**, KU Leuven, Belgium
Wicklow Hall 1	**Advances in Understanding of the Fate and Toxicity of Metals and Metal Mixtures, and its Application in the Regulation of Metals in the Environment**| ...		
	6.01.T-01 Chronic metal mixture toxicity: quantitative reappraisal and identifications of data gaps | **Charlotte Nys**, ARCHE Consulting, Belgium	**6.01.T-02** Using Bioavailability to Characterise Risks in European Freshwaters; The Example of Copper | **Iain Wilson**, wca consulting, United Kingdom	**6.01.T-03** Development of a machine learning model to estimate the biotic ligand model-based predicted no-effect concentrations for copper in freshwater | **Jiwoong Chung**, EH Research & Consulting Co. Ltd., Korea, Republic of (South)
Wicklow Hall 2A	**State-Of-The-Art Analytical Tools for an Enhanced Non-target Screening of Environmental Samples**| Alberto Celma, Lubertus Bijlsma, Anneli Kruve		
	3.24.T-01 Identification of Emerging Persistent and Mobile Substances by HILIC-Driven Effect-Directed Analysis | **Timur Baygildiev**, Vrije Universiteit Amsterdam, Netherlands	**3.24.T-02** Suspect and Non-Target Screening of Per- and Polyfluoroalkyl Substances in Electrochemical Oxidation treated water using HRMS and in silico techniques | **Svante Rehnstam**, Swedish University of Agricultural Sciences, Sweden	**3.24.T-03** LC-TIMS-HRMS combined with advanced data processing tools - A powerful 4-D workflow for the identification of biotransformation products of zebrafish exposed to xenobiotics | **Dimitrios Damalas**, National and Kapodistrian University of Athens, Greece
Wicklow Hall 2B	**Bird and Mammal Risk Assessment: Now and Preparation for the Future**| ...		
	6.02.T-01 Use of the time weighted average factor in pesticide risk assessment for birds and mammals | **Alberto Linguadoca**, European Food Safety Authority (EFSA), Italy	**6.02.T-02** Focussing on what matters: A Suggestion for addressing Vulnerability in Bird Focal Species Selection in higher Tier Risk Assessments | **Steven Kragten**, Syngenta, Germany	**6.02.T-03** PT Studies: Practical Implications of the Draft Updated Guidance Document on 'Risk Assessment for Birds and Mammals' | **Susanne Jähnig**, Tier3 Solutions GmbH, Germany
Level 3 East Wing	**Characterization, Testing and Assessment of Complex Substances (MCS, UVCBs & MOCS)**| Delina Lyon, Christopher Hughes, Philipp Mayer		
	4.05.T-01 UVCB substances: Characterization, chemical representation and selection of representatives for (eco) toxicological screening purposes | **Darina Yordanova**, Prof. Assen Zlatarov University, Laboratory of Mathematical Chemistry, Bulgaria	**4.05.T-02** Acute Aquatic Toxicity Testing With Isomer-Mixtures of Liquid Organic Hydrogen Carriers | **Felix Irrgang**, Technical University of Dresden, Germany	**4.05.T-03** Assessment of Acute and Chronic Ecotoxicological Effects of Aqueous Eluates of Stone Wool Insulation Materials | **Esther Smollich**, Deutsche ROCKWOOL GmbH & Co. KG, Germany

	14:25	14:40
Liffey A	**Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights**| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks	
	3.13.C.T-04 Environmental Safety of Parasiticidal Veterinary Medicinal Products for Companion Animals from a European Regulatory Perspective: Challenges and Knowledge Gaps | **Haru Kroneis**, Austrian Medicines and Medical Devices Agency (AGES MEA), Austria	**3.13.C.T-05** Proposal for Strengthening the ERA Whilst Maintaining Access to Human Medicinal Products – The Extended ERA Approach | **Samuel Maynard**, Astrazeneca UK Ltd, United Kingdom
Liffey B	**Tire Wear and Microrubber Particles – Problems to Solution**| Farhan R. Khan, Frank G.A.J. Van Belleghem, Pieter-Jan Jan Kole	
	4.14.T-04 Deep dive into the chronic toxicity of tyre particle mixture and their leachates to the planktonic crustacean Daphnia magna | **Paul Benjamin Boisseaux**, Exeter University, United Kingdom	**4.14.T-05** The need for environmental regulation of tires: Challenges and recommendations | **Steffen Hansen**, Technical University of Denmark (DTU), Denmark
Liffey Hall 1	**Life Cycle Impact Assessment Modeling and Application**| Roland Hischier, Alexis Laurent, Olivier Jolliet	
	5.05.T-04 Is Machine Learning the Silver Bullet to filling Data Gaps in Life Cycle Toxicity Characterization? | **Kerstin von Borries**, Technical University of Denmark (DTU), Denmark	**Poster spotlight** 5.05.P-We330, 5.05.P-We331, 5.05.P-We333
Liffey Hall 2	**Using New Approach Methods to Move from Descriptive to Mechanistic Ecotoxicology**| Colette vom Berg, Tamara Tal, Sarah Könemann	
	1.14.T-04 Unraveling molecular mechanisms of alkyl sulfonic acid PFAS-dependent hyperactivity in larval zebrafish using gene-editing | **Sebastian Gutsfeld**, Helmholtz Centre for Environmental Research – UFZ, Germany	**Poster spotlight** 1.14.P-We025, 1.14.P-We026, 1.14.P-We027
Liffey Meeting Room 2	**Agriculture in the 21st Century: Balancing Food Security with Environmental and Public Health**| Soledad Peresin, Jorge Gardea-Torresdey, Paola Battilani, Claudia Vaj	
	7.01.T-04 What are the Roadblocks for the Commercialization of Nanoagrochemicals today? | **Fabienne Schwab**, Adolphe Merkle Institute - University of Fribourg, Switzerland	**Poster spotlight** 7.01.P-We424, 7.01.P-We425, 7.01.P-We426
EcoCem Room	**Ecotoxicology of Biota Inhabiting Wetland Ecosystems**| Frances Orton, Manuel Ortiz Santaliestra, Andreu Rico	
	2.09.T-04 Predicting amphibian body burdens after dermal uptake of pesticides from soil | **Valentin Mingo**, Corteva Agriscience, Germany	**Poster spotlight** 2.09.P-We072, 2.09.P-We073, 2.09.P-We077
Wicklow Hall 1	| David Boyle, Erin Smith, Stephen Lofts, Adam Peters	
	6.01.T-04 Presentation TBD	**Poster spotlight** 6.01.P-We339, 6.01.P-We340, 6.01.P-We341
Wicklow Hall 2A	**State-Of-The-Art Analytical Tools for an Enhanced Non-target Screening of Environmental Samples**| Alberto Celma, Lubertus Bijlsma, Anneli Kruve	
	3.24.T-04 Nontarget Liquid Chromatography High Resolution Mass Spectrometry and in silico Structural Characterization of Dissolved Organic Matter from Different Water Sources | **Jessica Patrone**, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Spain	**Poster spotlight** 3.24.P-We234, 3.24.P-We246, 3.24.P-We248
Wicklow Hall 2B	| Manousos Foudoulakis, Alberto Linguadoca, Amy C. Brooks, Christian Wolf	
	6.02.T-04 Risk mitigation measures of pesticide-treated seeds for birds | **Manuel Ortiz Santaliestra**, Instituto de Investigación en Recursos Cinegéticos (IREC) CSIC-UCLM-JCCM, Spain	**Poster spotlight** 6.02.P-We351, 6.02.P-We352, 6.02.P-We353
Level 3 East Wing	**Characterization, Testing and Assessment of Complex Substances (MCS, UVCBs & MOCS)**| Delina Lyon, Christopher Hughes, Philipp Mayer	
	4.05.T-04 Characterising the environmental fate and behaviour of diluted bitumen within freshwater systems | **Scott Hepditch**, Institut national de la recherche scientifique (INRS), Canada	**4.05.T-05** Integrating UVCBs and Related Data into Open Chemical Knowledgebases | **Emma Schymanski**, University of Luxembourg, Luxembourg

COFFEE & POSTER BREAK

P-We | Wednesday Poster Presentations

Schedule

Setup	08:00–08:45
Poster Viewing	10:05–10:45
Poster Viewing	12:05–13:35
Poster Viewing	14:55–15:35
Poster Social	17:45–18:45
Take Down	18:45–19:00
Poster Corners	18:00–18:45

Poster Corners

Aquatic Model Ecosystems and Aquatic Ecosystem Models: How Can They Be Used to Support Ecological Risk Assessment of Chemicals?| Nika Galic, Udo Hommen, Alpar Barsi, Nele Schuwirth

Level 1 Foyer Poster Corner A

2.03.P-We062, 2.03.P-We063, 2.03.P-We064, 2.03.P-We065, 2.03.P-We066, 2.03.P-We068

Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks

Level 1 Foyer Poster Corner B

3.13.P-We120, 3.13.P-We123, 3.13.P-We124, 3.13.P-We156, 3.13.P-We158

Sources, Fate, and Effects of Metals in the Environment| Stijn Baken, Sean Comber

Level 2 Foyer Poster Corner A

3.23.P-We194, 3.23.P-We195, 3.23.P-We196, 3.23.P-We197, 3.23.P-We198

Towards Harmonized Nano- And Microplastics Quantification: Reference Materials, Analytics and Improved Experimental Designs| Denise M Mitrano, John Norman, Meredith Evans Seeley, Albert A. Koelmans

Level 2 Foyer Poster Corner B

3.25.P-We263, 3.25.P-We279, 3.25.P-We281, 3.25.P-We287, 3.25.P-We294, 3.25.P-We298

Data-Driven Environmental Decision-Making: Generating Relevant Datasets for Regulatory Assessment of Endocrine-Disruption| Lisa Annie Baumann, Emily McVey, Jeffrey C. Wolf, Laurent L.-M. Lagadic

Level 3 Foyer Poster Corner A

6.03.P-We378, 6.03.P-We379, 6.03.P-We380, 6.03.P-We381, 6.03.P-We382, 6.03.P-We383

Evidence Led Approaches to Identifying Chemical Priorities and Groupings for Effective Risk Management| Kerry Sims, Olivia Lin Tran, Lucy Birkitt

Level 3 Foyer Poster Corner B

6.06.P-We416, 6.06.P-We417, 6.06.P-We419, 6.06.P-We422, 6.06.P-We423

Poster Sessions

Nanoparticle Biological Interactions and Their Responses| Olga V. Tsyusko, Susana Loureiro, Kai Benjamin Paul

1.10.P-We001 Intracellular measurement of dissolved metals and localization of metal nanoparticles using X-ray spectroscopy techniques | **Matteo Minghetti**, Oklahoma State University, USA

1.10.P-We002 Size and Shape-Dependent Interactions of Lipid-Coated Silver Nanoparticles: An Improved Mechanistic Understanding Through Model Cell Membranes and In Vivo Toxicity | **Stacey Harper**, Oregon State University, USA

1.10.P-We003 Assessment of Multiple Stressors: Combined Effects from Exposure to Silver Nanoparticles or Zinc-Oxide Nanoparticles with the Pathogen Klebsiella Pneumoniae in Caenorhabditis Elegans | **Jarad Cochran**, University of Kentucky, USA

1.10.P-We004 Potential issues specific to in vitro toxicity tests of cellulose nanofibers | **Akihiro Moriyama**, National Institute of Advanced Industrial Science and Technology (AIST), Japan

1.10.P-We005 The importance of a comprehensive toxicity assessment of nanopesticides in the environment: comparing toxic effects of tebuconazole in different formulations on the nematode C. elegans | **Mahleh Eghbalinejad**, RECETOX, Faculty of science, Masaryk University, Czech Republic

1.10.P-We006 Size- and Concentration- Dependent Disturbance in Algal Metabolism Induced by nTiO2 Exposure | **Vera Slaveykova**, University of Geneva, Switzerland

1.10.P-We007 Sub-Lethal Effects of Polysterene Nanoplastics on Freshwater Organisms | **Begoña Espina**, International Iberian Nanotechnology Laboratory, Portugal

1.10.P-We008 Exposure Scenarios During Aging of Titanium dioxide Nanomaterials Affect Dimethoate Toxicity in Daphnia | **Rajdeep Roy**, Rhineland-Palatinate Technical University of Kaiserslautern-Landau, Germany

1.10.P-We009 The Use of an ex vivo gut sac technique to determine the Uptake of Nanogold in the Gastrointestinal Tract of Clarias gariepinus (African Sharptooth Catfish) | **Mikayla Oosthuizen**, North West University (Potchefstroom Campus), South Africa

1.10.P-We010 Understanding the Impact of Nanoparticle Charge on Algae-Nano Interactions Using Functionalized Carbon Dots and Morphological Data | **Emma McKeel**, University of Wisconsin-Milwaukee, USA

1.10.P-We011 Natural Compounds, Metal Complexes, Nanoencapsulation, Release Into the Environment | **Joao Fernandes**, Federal University of Sao Carlos (UFSCar), Brazil

1.10.P-We012 Ecotoxicity Assessment of Dust from Inorganic Aerogel Mats | **Lars Skjolding**, Technical University of Denmark, Denmark

1.10.P-We013 Do Coatings on Copper Oxide Nanomaterials Impact Their Fate and Effects in Soil? | **Juliska Princz**, Environment and Climate Change Canada, Canada

1.10.P-We014 Using Novel Multiplexed Algal Cytological Imaging Assay and Machine Learning to Predict the Phytotoxic Mode of Action of LiCoO2 Nanomaterials to the Green Algae Raphidocelis subcapitata | **Eric Ostovich**, University of Wisconsin, Milwaukee, USA

1.10.P-We015 Compositional turnover in macroinvertebrate- and zooplankton communities in response to a controlled-release nano-TiO2-coated formulation of carbendazim and its constituents in freshwater mesocosms | **Tom Nederstigt**, CML Leiden University, Netherlands

1.10.P-We016 Toxicity of the New Emerging Nanomaterials LDH and MoS2 to Aquatic Organisms: First Results from the Project SCANNER | **Ailbhe Macken**, Norwegian Institute for Water Research (NIVA), Norway

1.10.P-We017 Evaluation of the ecotoxic potential of graphene oxide in Xenopus laevis tadpoles | **Lauris Evariste**, ECOLAB UMR5245 CNRS UPS INPT, France

1.10.P-We018 Toxicokinetics and Bio-distribution of Gold Engineered Nanomaterials in the African Sharptooth Catfish | **Armagh Cook**, North-West University, South Africa

1.10.P-We019 In Silico Prediction of the Nanoparticle – Biomolecule Corona | **Ian Rouse**, University College Dublin, Ireland

1.10.P-We020 Metabolomic, Physiological and Behavioural Responses of the Freshwater Shrimp, Caridina africana, Following Exposure to Nanodiamonds and Copper oxide. | **Nichole Donough**, Water Research Group, Unit for Environmental Sciences and Management, North-West University, Potchefstroom, South Africa

1.10.P-We021 Evaluation of the relative hydrophobicity/hydrophilicity of metal and metal oxide nanoparticles | **Anais Colibaba**, University College Dublin, Ireland

1.10.P-We022 Considering Matrix Effects in the Assessment of Environmental Safety for Engineered Nanomaterials and Nano-Enabled Products. | **Emily Eagles**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

1.10.P-We023 Multiscale modelling of milk proteins interaction with Iron surfaces | **Parinaz Mosadeghi Amini**, University College Dublin, Ireland

1.10.P-We024 Impact of Storage Conditions on Silver Nanoparticle Stability for Toxicity Studies Using spICP-MS | **Sebastian Kuehr**, Norwegian Institute for Water Research (NIVA), Norway

Using New Approach Methods to Move from Descriptive to Mechanistic Ecotoxicology| Colette vom Berg, Tamara Tal, Sarah Könemann

1.14.P-We025 Targeted Phosphoproteomics Reveals the mTOR Pathway Dynamics and its Role in Growth Regulation in the Zebrafish PAC2 Cells | **Nikolai Huwa**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

1.14.P-We026 Combination of Computational New Approach Methods for Enhancing Evidence of Biological Pathway Conservation Across Species | **Peter Schumann**, University of Wisconsin - Milwaukee, USA

1.14.P-We027 NAMs in REACH – A regulatory and policy level perspective | **Georg Streck**, European Commission - DG GROW, Belgium

1.14.P-We028 In vitro Screening of UV-stabilizers and UV filters: Cytotoxicity, CYP1A activity, and mRNA Expression in An Immortalized Embryonic Double-Crested Cormorant Cell Line | **Tasnia Sharin**, Environment and Climate Change Canada, Canada

1.14.P-We029 Directional reactive model predicting in silico ligand-aryl hydrocarbon receptor activity | **Taewoo Kim**, Seoul National University, Korea, Republic of (South)

1.14.P-We030 Development of Adverse Outcome Pathway Network Based on Molecular Initiating Event Identification Using Molecular Docking Simulation: A Case Study with Additive Chemicals in Plastics | **Kimoon Na**, University of Seoul, Korea, Republic of (South)

1.14.P-We031 One Substance, One Assessment – Unachievable Ambition or an Opportunity for NAMs Not to be Missed? | **Samuel Maynard**, Astrazeneca UK Ltd, United Kingdom

1.14.P-We032 Exploring the taxonomic domain of applicability (tDOA) of thyroid hormone system disruption using the adverse outcome pathway framework | **Lucia Vergauwen**, University of Antwerp, Belgium

1.14.P-We033 Application of Omics for Identification of Mode of Action- Specific Molecular Fingerprints and Protein Biomarkers Induced by the Fungicide Carbendazim in Zebrafish Embryos. | **Fatma Marghany**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

1.14.P-We034 Exploring the Molecular Basis of Transient versus Persistent Neurotoxic Effects Using a Multi-Omics Approach in the Zebrafish Model | **Ksenia Groh**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland

1.14.P-We035 Molecular signature of thyroid hormone system disrupting chemicals | **Henrik Holbech**, University of Southern Denmark, Denmark

1.14.P-We036 Does the zebrafish microbiome bioactivate PFOS precursors? | **Sebastian Gutsfeld**, Helmholtz Centre for Environmental Research – UFZ, Germany

1.14.P-We037 A new approach methodology (NAM) for risk assessment of SSbD nanomaterials based on adverse outcome pathways approach, real exposure scenarios and relevant hazard testing | **Rossella Bengalli**, University of Milano Bicocca, Italy

1.14.P-We038 Development of Potential Adverse Outcome Pathway for Neurotoxicity From Toxicogenomics Data Using Benchmark Dose Modeling Approach: Case Study on Valproic Acid | **Jaeseong Jeong**, University of Seoul, Korea, Republic of (South)

Aquatic and Terrestrial Plant Ecology, Ecotoxicology and Risk Assessment| David Olszyk, Guido Gonsior, Elisabeth Maria Gross, Valeska Contardo Jara

2.02.P-We039 Identifying an Alternative Organic Matter Source for Artificial Sediment Used in Aquatic Plant Exposures | **Ashlee Kirkwood**, Smithers, USA

2.02.P-We040 Protectivity check of the Tier-1 pesticide risk assessment for aquatic primary producers based on EFSA endpoints | **Gertie Arts**, Wageningen University & Research, Netherlands

2.02.P-We041 Effects of the fungicide Tebuconazole with herbicidal mode of action on monocot and dicot macrophyte species with different growth forms | **Gertie Arts**, Wageningen University & Research, Netherlands

2.02.P-We042 Transcriptomic and Proteomic Analysis of Ecotoxic Modes of Action in Myriophyllum spicatum | **Jost Hanfland**, University of Münster, Fraunhofer IME Institute for Molecular Biology and Applied Ecology, Germany

2.02.P-We043 A review of laboratory cultivation of Laminaria hyperborea, Laminaria digitata and Saccharina latissima as a basis for ecotoxicology studies | **Marianne Glascott**, University of Sussex, United Kingdom

2.02.P-We044 Establishment of a Flow-Through System for the Macrophyte Growth Inhibition Test (OECD 239) Including New Endpoints on Photosynthetic Activity | **Lena Kosak**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

2.02.P-We045 Testing Strategy for Species Sensitivity Distribution (SSD) Tests with Aquatic Plants | **Guido Gonsior**, GG BioTech Design GmbH, Germany

2.02.P-We046 Assessment of the Harmful Effects of Caffeine on Macrophytes Lemna gibba and Egeria densa | **Alma Sobrino-Figueroa**, Universidad Autonoma Metropolitana Iztapalapa, Mexico

2.02.P-We047 Allometric Relationship of Shoot and Plant Weight in Myriophyllum spicatum | **Valentin Mingo**, Corteva Agriscience, Germany

2.02.P-We048 A comprehensive laboratory comparison of two methods for generating data for green algae response to time-variable exposures | **Eric Bruns**, Bayer AG, Germany

2.02.P-We049 Antifouling Coatings: Assessment of the Effects on Phytoplanktonic Non-target Species | **Maren Ortiz-Zarragoitia**, CBET+ Group, Research Centre for Experimental Marine Biology and Biotechnology Plentzia Marine Station PIE, Spain

2.02.P-We050 Method and performance evaluation in a ring test: Algal growth inhibition test with time-variable exposures. | **Patricia Marini**, Innovative Environmental Services (IES) Ltd., Switzerland

2.02.P-We051 The Effect of Sodium Bicarbonate on Key Algal Species in the Static, Closed System Test Design | **Christopher Boagni**, Eurofins Agroscience Services, USA

2.02.P-We052 Evaluation of the Reproducibility, Reliability and Regulatory Relevance of Plant Visual Injury Assessments | **Joshua Arnie**, Eurofins Agroscience Services, USA

2.02.P-We053 Biocide, antioxidant and anti-inflammatory activities of essential oils distilled from aromatic plants grown on trace elements polluted soils | **Anthony Verdin**, Université du Littoral Côte d'Opale, France

2.02.P-We055 Impacts of petroleum-based and plant-based plastic particles on dry acidic grassland plant species | **Alicia Mateos Cardenas**, University College Cork, Ireland

2.02.P-We056 Temperature Effects on the Toxicity of Triclosan to Oilseed Rape (Brassica napus L.) | **Diana Miškelytė**, Vytautas Magnus University, Lithuania

2.02.P-We057 Development of a standard protocol for the assessment of reproductive endpoints in non-target terrestrial plants under greenhouse conditions | **Andreas Duffner**, Eurofins Agroscience Services, Germany

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6.02.P-We374 DEB-TKTD Analysis of Avian Reproduction Study: The Bobwhite Quail Exposed to Fluopyram | **Andre Gergs**, Bayer AG, Germany

6.02.P-We375 Challenges of the assessment of possible synergistic effects in pesticide formulations with more than one active ingredient using acute mammalian in vivo test results | **Joachim Nopper**, BASF SE, Germany

6.02.P-We376 Challenges of Using Predicted Environmental Concentrations in Pore Water and Soil to Predict Secondary Poisoning Risk Assessment in Birds and Mammals | **Sebastian Multsch**, BASF SE, Germany

6.02.P-We377 Evaluation of determining the bioconcentration factor in earthworms in the context of secondary poisoning – dry soil vs. pore water approach | **Joachim Nopper**, BASF SE, Germany

Data-Driven Environmental Decision-Making: Generating Relevant Datasets for Regulatory Assessment of Endocrine-Disruption| Lisa Annie Baumann, Emily McVey, Jeffrey C. Wolf, Laurent L.-M. Lagadic

6.03.P-We378 Investigations Into the Induction of Thyroid Hormone Liver Metabolism in Zebrafish (Danio Rerio) Embryos | **Maximilian Rinderknecht**, University of Heidelberg, Germany

6.03.P-We379 OECD Endorsement of an AOP Network of 5 AOPs Linking Thyroid Hormone System Disruption to Impaired Swim Bladder Inflation in Fish | **Lucia Vergauwen**, University of Antwerp, Belgium

6.03.P-We380 Potential endpoints to identify thyroid hormone system disruption in zebrafish embryos | **Lisa**

Gölz, University of Heidelberg, Germany

6.03.P-We381 The Early Life Stage Amphibian Thyroid Assay (ELSATA), a Thyroid-Focused Alternative to the Larval Amphibian Growth and Development Assay (LAGDA) | **Lennart Weltje**, BASF SE, Germany

6.03.P-We382 Use of Xenopus laevis developmental stage-matched control data in Amphibian Metamorphosis Assays to assess inter-laboratory variation in endpoint data | **Joseph Marini**, Smithers, USA

6.03.P-We383 Impacts of Non-endocrine Factors on Amphibian Metamorphosis Assay (AMA) Results | **Jeffrey Wolf**, EPL, Inc., USA

6.03.P-We384 A Generalised Integrated Approach to Testing And Assessment (IATA) Approach To Identify Endocrine Disruptors | **Donna Macmillan**, HSI, USA

6.03.P-We385 Development of a set of AOP network-supported IATAs for thyroid hormone system disruption | **Dries Knapen**, University of Antwerp, Belgium

6.03.P-We386 Conceptual Framework for Assessing Metal Interactions with the Endocrine System of Aquatic Organisms | **Stijn Baken**, European Copper Institute, Belgium

6.03.P-We387 Potential information requirements for endocrine disruption assessment under REACH: The reliance on animal data | **Rhiannon Smith**, wca consulting, United Kingdom

6.03.P-We388 Control Performance of Medaka Extended One Generation Test Designs | **Natalie Burden**, NC3Rs, United Kingdom

6.03.P-We389 Distinguishing Non-endocrine From Suspected Endocrine Responses: Importance of Experimental Design | **Douglas Fort**, Fort Environmental Laboratories, Inc., USA

6.03.P-We390 The Importance of Integrating all of the Evidence to Identify Endocrine Disruption: A Case Study with Bisphenol A | **Ellen Mihaich**, ER2, USA

6.03.P-We391 Efficacy of Dietary Administration in the Amphibian Metamorphosis Assay: Influence of Solvent Loaded Test Substance on Nutritional Quality and Control Performance Criteria | **Douglas Fort**, Fort Environmental Laboratories, Inc., USA

6.03.P-We392 Historical Control Histopathology Data from Amphibian Metamorphosis (AMA) and Fish Short Term Reproduction (FSTRA) Assays | **Jeffrey Wolf**, EPL, Inc., USA

6.03.P-We393 Evaluation of Yeast-based Reporter Gene Assays Using Thyroid Hormone Receptors of Homo sapiens and Xenopus tropicalis | **Masahiro Ogawa**, Kumiai Chemical Industry Co., Ltd., Japan

6.03.P-We394 Influence of Storage Method, Storage Duration, and Freeze-Thaw Cycles on Measured Plasma Vitellogenin Concentrations for Fathead Minnows | **Julie Krzykwa**, Smithers, USA

6.03.P-We395 Thyroid hormone system-disrupting effects of carbamazepine on zebrafish – A case study for the performance of OECD TG 210 (FELS) with implementation of thyroid-related endpoints | **Giulia Cafiero**, COS University of Heidelberg, Germany

6.03.P-We396 The Rapid Estrogen ACTivity In Vivo (REACTIV) Assay and the Rapid Androgen Disruption Activity Reporter (RADAR) Assay | **Andrew Tindall**, Watchfrog S.A., France

6.03.P-We397 Lessons learnt from three years of applying the XETA test guideline | **Gregory Lemkine**, Watchfrog S.A., France

6.03.P-We398 Elucidating the effects of acute and chronic exposure of 2,4-Dichlorophenoxyacetic acid on freshwater fish innate immunity | **Emily Cornelius Ruhs**, University of Chicago, USA

6.03.P-We399 Testing for Endocrine Disruption - Existing Gaps and Recommendations from a CRO Perspective | **Johannes Völker**, IES Ltd, Switzerland

6.03.P-We400 Investigation of possible endocrine sensitive endpoints in snail embryos and juveniles | **Jane Morthorst**, University of Southern Denmark, Denmark

6.03.P-We401 Underlying Mechanisms of Drug-Induced Endocrine Disruption to Gastropod Shell to Be Unravelled by Fundamental Molecular Diagnostics. | **Konstantinos Panagiotidis**, Brunel University London, United Kingdom

6.03.P-We402 Assessment of sediment samples from Lake Tai, China via effect-based methods including metabolic activation | **Feifei Xue**, Goethe University Frankfurt, Germany

6.03.P-We403 Peer-group assessment of the results from an interlaboratory study for effect-based in vitro methods to determine estrogenic effects in environmental surface water | **Martin Jähne**, new_diagnostics GmbH, Germany

Environmental Assessment of Nanomaterials, Research to Regulation: From hazard and risk to grouping and similarity approaches| Marianne Matzke, Kai Benjamin Paul, Claus Svendsen

6.05.P-We404 Prioritising nano- and microparticles - identification of physicochemical properties relevant for toxicity to Raphidocelis subcapitata | **Karsten Schlich**, Fraunhofer IME Institute for Molecular Biology and Applied Ecology, Germany

6.05.P-We405 Assessing the fate and behaviour of particulate emissions from graphene-based corrosion-resistant coatings in aquatic environments | **Andy Booth**, SINTEF Ocean, Norway

6.05.P-We406 Embriotoxicity of a novel bio-based nanomaterial with anti-corrosion properties on tropical marine species | **Mariana Silva**, University of Aveiro, Portugal

6.05.P-We407 SustainablE Nano Strategies for water remediation – SENSE project | **Patricia Silva**, University of Aveiro, Portugal

6.05.P-We408 Are "Smart" Engineered Nanoclays Toxic To Zebrafish? | **Diana Carneiro**, University of Aveiro, Portugal

6.05.P-We409 Aquatic ecotoxicity assessment to support the environmentally safe application of layered double hydroxides (LDHs) | **Patricia Silva**, University of Aveiro, Portugal

6.05.P-We410 Comparing Pre-guideline Literature Data on Dispersion Stability for CeO2 Nanoparticles to Current Guideline Requirements – Can We Use Literature Data for Concluding on the Endpoint and Grouping? | **Nele Deleebeeck**, Arcadis, Belgium

6.05.P-We411 A Method for the Production of WWTP-Transformed Silver Nanoparticles for Use in Accumulation and Toxicity Studies | **Andy Booth**, SINTEF Ocean, Norway

6.05.P-We412 Environmental Behavior and Hazard of a Novel "Smart" Engineered Nanomaterial | **Roberto Martins**, University of Aveiro, Portugal

6.05.P-We413 "Smart" Anti-Corrosion Nanomaterials: What We Know About Them? | **Roberto Martins**, University of Aveiro, Portugal

6.05.P-We414 Direct Quantification of Hydrophobicity: A Case Study of Environmentally Relevant Silver Nanoparticles | **Cloe Desmet**, European Commission - Joint Research Centre, Italy

6.05.P-We415 Using a meta-analysis approach to assess silver nanomaterial hazard to terrestrial soil ecosystems for safety-by-design practices | **Sarah Roberts**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

Evidence Led Approaches to Identifying Chemical Priorities and Groupings for Effective Risk Management| Kerry Sims, Olivia Lin Tran, Lucy Birkitt

6.06.P-We416 A method for ranking and prioritising chemicals without the need for significant resources | **Kate Bromfield**, Hazard Evaluation Ltd, New Zealand

6.06.P-We417 Identification, Grouping, and Prioritisation of Water-Soluble Polymers in Household Products | **Hattie Brunning**, University of York, United Kingdom

6.06.P-We418 A National scale Prioritisation and Early Warning System for Chemicals of Emerging Concern | **David Brown**, Environment Agency, United Kingdom

6.06.P-We419 Harmonizing Non-Target-Screening Results for Aggregated Analysis | **Jan Koschorreck**, Umweltbundesamt, Germany

6.06.P-We420 A Combined Passive Sampling And Non-Targeted Analysis Approach to Prioritise Organic Pollutants In Coastal Environments | **Rosie Lennon**, The University of York, United Kingdom

6.06.P-We421 Ad hoc assessment of non-target screening data in the aquatic environment: prospects and challenges for science and regulation | **Alexander Badry**, German Environment Agency (UBA), Germany

6.06.P-We422 Substantiating Chemical Groups for Read-Across Using Molecular Response Profiles | **Rosemary Barnett**, Michabo Health Science Ltd, United Kingdom

6.06.P-We423 Demonstrating the reliability of metabolomics-based chemical grouping: Towards acceptable practice | **Mark Viant**, University of Birmingham, United Kingdom

Agriculture in the 21st Century: Balancing Food Security with Environmental and Public Health| Soledad Peresin, Jorge Gardea-Torresdey, Paola Battilani, Claudia Vaj

7.01.P-We424 Regulatory Drivers and Testing Standardisation | **Kirit Wadhia**, NOV Inc, United Kingdom

7.01.P-We425 Biostimulants: a complex ecotoxicological challenge | **Nadine Taylor**, Cambridge Environmental Assessments (CEA), United Kingdom

7.01.P-We426 Overview of Recent Biological Pesticide Evaluations in the EU: Fate and Ecotoxicological Data | **Claudia Vaj**, Corteva Agriscience, Italy

7.01.P-We427 Nematicidal Effect of Ultrasound-Extracted Cyanotoxin | **Emily Chiang**, University of Guelph, Canada

7.01.P-We428 Effect of plant biopesticide-spiked soils on earthworms and soil enzymatic activity, with biochar as an ameliorant | **Mark Maboeta**, North West University (Potchefstroom Campus), South Africa

7.01.P-We429 Challenges in the Registration of Natural Substance Pesticides From an Ecotox Point of View | **Jutta Müther**, GAB Consulting GmbH, Germany

7.01.P-We430 Practical Challenges of Data Generation to Address Regulatory Requirements for Microbial Organisms | **Anne Alix**, Corteva Agriscience, United Kingdom

7.01.P-We431 Regulatory Challenges in the EU to

Providing Biological Solutions to Deliver the Green Deal | **Martin Tilbrook**, ERM Regulatory Services Limited, United Kingdom

7.01.P-We432 Long-term Exposure of Bumblebees (Bombus terrestris) in Semi-Field Studies | **Markus Persigehl**, Tier3 Solutions GmbH, Germany

7.01.P-We433 Toxicity data of a new generation Biopesticide based on the activity of a peptide regulating the expression of a digestive enzyme in insects | **Libânia Queirós**, CWT - TURISTRADER, Portugal

7.01.P-We434 The newly implemented regulations for microbial active substances and products – an ecotoxicological perspective | **Devdutt Kulkarni**, Ctgb, Netherlands

7.01.P-We435 Systemic acquire resistance (SAR) inducers as an alternative to conventional pesticides – environmental hazard assessment | **Marta Markiewicz**, Technical University of Dresden, Germany

7.01.P-We436 Impact of Copper oxide nanoparticles combined with indole-3-acetic acid in Pisum sativum plants and seeds | **Loren Ochoa**, The University of Texas at El Paso, USA

7.01.P-We437 Tunable release of dsRNA molecules into plants from sustainable nanocarriers | **Washington da Silva**, The Connecticut Agricultural Experiment Station, USA

Precision Application – A Way to Reduce Environmental Risk?| Michael Faupel, Steven Droge, Maike Habekost, Rena Jutta Irene Isemer

7.08.P-We438 How Do We Develop Environmental Risk Assessments for the Precision Application of Herbicides ? | **Joanna Davies**, Syngenta, United Kingdom

7.08.P-We439 How to Consider the Benefits of Precision Application in Regulatory Risk Assessment | **Rena Isemer**, Bayer AG, Germany

7.08.P-We440 Spotted: Heterogenetic Pesticide Exposure and its Effect on Springtails | **Melanie Hagen-Kissling**, Eurofins MITOX B.V., Netherlands

7.08.P-We441 Precision agriculture – implications for a bird and mammal risk assessment under regulation 1107/2009 | **Joerg Hahne**, Bayer AG, Germany

7.08.P-We442 Spatially explicit population models support impact assessment of precision application – a common vole example | **Oliver Jakoby**, RIFCON GmbH, Germany

7.08.P-We443 Modelling the Reduction Effect of Spot Applications on Pesticide Runoff Losses from Fields with a PRZM-VFSMOD Coupling | **Stefan Reichenberger**, knoell France SAS, France

7.08.P-We444 Digital Label Compliance as an Enabler for Bringing Realism to Risk Assessments: A Croplife Europe Initiative | **Anne Alix**, Corteva Agriscience, United Kingdom

7.08.P-We445 Digital Labels enabling field specific risk assessment and tailored risk mitigation | **Karandeep Singh**, Bayer AG, Germany

7.08.P-We446 Targeted Spray Application in Onions Using a Crop-Adapted Pulse Width Modulation Sprayer | **Henk Jan Holterman**, Wageningen University & Research, Netherlands

7.08.P-We447 Environment risk assessment: how UAV technology could contribute and be beneficial. | **Gaëlle Der Hagopian**, Bayer AG, France

Virtual-Only Presentations

Virtual-only presentations are not linked to a day and are viewable during the entire meeting (and up to three months after the meeting). Visit the meeting platform to view all virtual-only presentations.

New Developments in Sediment Ecotoxicology and Risk Assessment| Alan J. Jones, Ivo Roessink

2.14.V-01 RNA-seq analysis of transcriptome response to cadmium-based sediment ecotoxicity using Glyptotendipes tokunagai | **Ihn-Sil Kwak**, Chonnam National University, Korea, Republic of (South)

Human and Veterinary Pharmaceuticals in the Environment – Risk, Prioritisation & New Insights| John Wilkinson, Todd Davidson, Ad M. J. Ragas, Jason Weeks

3.13.V-01 Microextraction and chromatographic determination of diazepam and clonezapam in wastewater samples | **Vernon Somerset**, CPUT, South Africa

Innovations in Analytical Methods Used for Monitoring Emerging Contaminants in Marine and Freshwater Aquatic Environments| Fiona Regan, Tarun Anumol, Evin McGovern, Brendan McHugh

3.15.V-01 Quality assessment of the source identification applied to different spilled oils and performed by distinct methods | **Ana Catarina da Rocha**, Hydrographic Institute, Portugal

3.15.V-02 Assessment of emerging contaminants in an anthropogenic-impacted watershed: application using targeted, non-targeted, and in vitro bioassay techniques | **Theodora Lee**, NEWRI, Singapore

3.15.V-03 Paper microfluidic device for rapid detection of pathogens and antimicrobial resistance in water | **Zhugen Yang**, Cranfield University, United Kingdom

Sources, Fate, and Effects of Metals in the Environment| Stijn Baken, Sean Comber

3.23.V-01 Determination of the influence of wastewater effluents on the heavy metal distribution in sediments in the Kuils River system, Cape Town, South Africa | **Vernon Somerset**, CPUT, South Africa

3.23.V-02 Heavy metals associated with atmospheric fine particulate matter in Cape Town, South Africa | **Vernon Somerset**, CPUT, South Africa

3.23.V-03 The Leaching Behaviour of Rare Earth Elements in Soil Samples Derived from Electronic Waste | **Vernon Somerset**, CPUT, South Africa

3.23.V-04 Heavy Metals and PAHs in Soil from Tyre Pyrolysis Plant located in Egbeda Local Government Area, Nigeria | **Felicia Adesina**, Lead City University, Nigeria

3.23.V-05 Insight into relationships between alkali and alkaline earth metals in a clay pit core sample, with and without Al-normalization | **Josip Jurković**, University of Sarajevo, Bosnia and Herzegovina

3.23.V-06 Bioaccumulation of Mercury in Barn Owls and their Foodchain | **Sabnam Mahat**, University of Bern, Switzerland

Towards Harmonized Nano- And Microplastics Quantification: Reference Materials, Analytics and Improved Experimental Designs| Denise M Mitrano, John Norman, Meredith Evans Seeley, Albert A. Koelmans

3.25.V-01 Microplastics Are Hidden in Sediments: A Case Study From a Natural Protected Area of Guatemala | **Carlos Mazariegos**, Texas Tech University, USA

3.25.V-02 Size limitations on the data-driven identification of microplastic using FD-FLIM. | **Maximilian Wohlschläger**, Rosenheim Technical University of Applied Sciences, Germany

3.25.V-03 Analytical Alternatives to Detect and Quantify Nanoplastics in Complex Environmental Matrices | **Patricia Taladriz-Blanco**, International Iberian Nanotechnology Laboratory, Portugal

3.25.V-04 Nanoparticle Tracking Analysis to Quantify Nanoplastics in Complex Environmental Matrices | **Patricia Taladriz-Blanco**, International Iberian Nanotechnology Laboratory, Portugal

3.25.V-05 Surface enhanced Raman scattering for rapid monitoring of microplastics | **Zhugen Yang**, Cranfield University, United Kingdom

LCA and Beyond – Integrating Sustainability and/or Other Dimensions for a More Comprehensive Analysis| Roland Hischier, Maria Rydberg

5.03.V-01 Dynamic carbon footprint using factory IoT and sensoring systems | **Takahiro Hashimoto**, Tokyo City Univercity, Japan

5.03.V-02 Exploring the use of ProScale as a complementary tool in SLCA | **Tomas Rydberg**, IVL Swedish Environmental Research Institute, Sweden

5.03.V-03 Carbon footpring of tourism in OECD countries using satellite accounts | **Akihiko Tsutsumi**, Tokyo City University, Japan

5.03.V-04 Complementarities of Responsible Research and Innovation and Life Cycle Sustainability Assessment | **Melanie Douziech**, Agroscope, Switzerland

5.03.V-05 "Life Cycle Cost-Benefit Analysis of Reinforced Concrete River Wall" | **Mony Rith So**, Tokyo City University, Japan

Bird and Mammal Risk Assessment: Now and Preparation for the Future| Manousos Foudoulakis, Alberto Linguadoca, Amy C. Brooks, Christian Wolf

6.02.V-01 Challenges of benchmark dose analyses for risk assessors | **Magnus Wang**, WSC Scientific GmbH, Germany

6.06.V-01 Converging Degradation Pathways as a Basis for Grouping & Read-Across | **Ralf Arno Wess**, Innovative Environmental Services (IES) Ltd., Switzerland

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Thursday 4 May

THURSDAY SCHEDULE		
07:30–15:00	Cloakroom	
08:00–08:45	Poster Setup	Exhibition Hall (The Forum)
08:00–15:00	Badge Pick-up and Registration	Registration Area (Ground Floor Foyer)
08:00–11:00	Speaker Ready Room Open	Liffey Boardroom 3 (Level 01)
08:00–17:00	Smithers – Individual Customer Meetings	Liffey Meeting Room 5 (Level 01)
08:45–10:05	**Presentation Sessions**	
10:05–10:45	Coffee & Poster Break	Exhibition Hall (The Forum)
10:45–12:05	**Presentation Sessions**	
12:05–14:00	Lunch & Poster Break	Exhibition Hall (The Forum)
14:00–14:30	**Closing Ceremony**	**Liffey Hall 2 (Level 01)**

The event will also be live streamed on the virtual platform.

Join Us for the Closing Ceremony!

Join us for the closing ceremony as we announce and celebrate the **SETAC Europe Young Scientists Awards** and have a look back on a successful science-packed week.

Hear delightful closing remarks from the SETAC Dublin Programme Committee Chairs and newly elected SETAC Europe President and get a taste of next year's meeting in Seville, Spain.

Thursday Platform Presentations Morning 1

	08:50	09:05	09:20
Liffey A	**The Use of Omic Tools to Assess the Impact of Mixture Toxicity**| Hitoshi Iwahashi, Claudia de Lima de Lima e Silva, Yue Ge, Vera Silva		
	1.12.T-01 Linking Reproductive and Metabolic Disruption After Exposure to Novel Flame Retardants; An in Vitro Approach | **Chander Negi**, RECETOX, Masaryk University, Czech Republic	**1.12.T-02** Using 'Omic' Data to Predict Chemical Sensitivity Across Terrestrial Invertebrates: Progress and Challenges. | **Stephen Short**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom	**1.12.T-03** Effect of Wastewater Treatment Plant Discharge in a Norwegian Fjord to Juvenile Atlantic Cod (Gadus morhua) Brain Transcriptome | **Daniel Schlenk**, University of California, Riverside, USA
Liffey B	**Establishing the State-of-the-Science in Human Exposure to Micro- and Nanoplastic**| Stephanie Wright, Kevin Thomas		
	3.10.T-01 Secondary nanoplastics released from food packaging: quantification and formation mechanisms | **Francesco Fumagalli**, European Commission - Joint Research Centre, Italy	**3.10.T-02** µRaman Analysis of Airborne Indoor Microplastics down to 1 µm – Should Facemasks be Recommended? | **Luca Maurizi**, Aalborg University, Denmark	**3.10.T-03** What if You Eat Nanoplastic? An In Vitro Study of Nanoplastics' Gastrointestinal Digestion Using Model Food Matrices for Bioavailability Assessment | **Maria Hayder**, University of Amsterdam, Netherlands
Liffey Hall 1	**Prospective Life Cycle Assessment of Emerging Technologies**| Nils Thonemann, Heather Margaret Logan, Anne E.M. van den Oever, Rickard Arvidsson		
	5.06.A.T-01 Prospective, Anticipatory and Ex-Ante – What's the Difference? Sorting Out Concepts for Time-Related LCA | **Rickard Arvidsson**, Chalmers University of Technology, Sweden	**5.06.A.T-02** Prospective life cycle assessments of chemicals: Improving stoichiometry-based methods | **Tim Langhorst**, ETH Zürich, Switzerland	**5.06.A.T-03** Prospective Life Cycle Assessment to support decision-making issues: a novel methodological framework | **Federico Rossi**, University of Siena, Italy
Liffey Hall 2	**Assessing Adverse Effects of Pollutants on Host-Associated and Free-Living Microbiomes using -omics**| ...		
	1.03.T-01 Meta-metabolomics to uncover short vs long term response of periphytic microbiome to a model fungicide | **Nicolas Creusot**, Plateforme Bordeaux Metabolome, INRAE BORDEAUX, France	**1.03.T-02** Effects of Erythromycin on Juvenile Rainbow Trout Gut Microbiome | **Phillip Ankley**, University of Saskatchewan, Canada	**1.03.T-03** A combination of -omics approaches to evaluate the effects of metabolic disorders of the non-steroidal anti-inflammatory drug diclofenac in Mus musculus mice. Antagonism with Selenium | **Gema Moro**, Universidad de Huelva, Spain
Liffey Meeting Room 2	**Mechanistic Effect Modelling for Regulatory Environmental Risk Assessment: From Molecules to Landscapes**| Andreas Focks, Emily McVey, Andre Gergs, Yen TT Le		
	4.09.A.T-01 Compound-specific Toxicokinetics and Physiological Response Patterns of two Target and one Non-Target species. | **Clara Isis Römer**, Syngenta, Switzerland	**4.09.A.T-02** Physiologically Based Gonadotropic Axis Kinetic Model in Female Zebrafish (Danio Rerio) Exposed to Two Azole Fungicides (Prochloraz and Imazalil) | **Tu-Ky LY**, INERIS, France	**4.09.A.T-03** Is considering a physiologically based toxicokinetic module in a GUTS model really an added value or not? | **Sandrine Charles**, University Claude Bernard Lyon 1, France
EcoCem Room	**HR-MS Analysis of Metabolites and Transformation Products of Organic Pollutants - What Remains Unknown**| ...		
	3.12.T-01 Molecular Insights into Biodegradability of Ozonation Products from Effluent Organic Matter | **Elaine Jennings**, Helmholtz Centre for Environmental Research – UFZ, Germany	**3.12.T-02** An Interactive App to Curate Transformation Product Information From Text Mining Results | **Emma Palm**, University of Luxembourg, Luxembourg	**3.12.T-03** HRMS Analysis of Antimicrobial Peptide Biotransformation mediated by Extracellular Wastewater Peptidases | **Natalie Wichmann**, University of Vienna, Austria
Wicklow Hall 1	**(Bio)Degradation and Persistence of Chemicals - New Perspectives & Developments**| Amelie Ott, Delina Lyon, John Parsons, Anu Kapanen		
	3.05.T-01 Regulatory landscape for persistence assessment in PBT/vPvB and PMT/vPvM identification under REACH and CLP | **Romanas Cesnaitis**, European Chemicals Agency (ECHA), Finland	**3.05.T-02** Impact of Different Sterilisation Techniques on Sorption and NER Formation of Test Chemicals in Soil | **Rebecca Süßmuth**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany	**3.05.T-03** The Relationship Between Composition and Environmental Degradation of Poly(Isosorbide Oxalate) (PISOX) Copolyesters | **Yue Wang**, University of Amsterdam, Netherlands
Wicklow Hall 2A	**Towards a One Health Approach to Integrating Human Toxicology, Ecotoxicology and Ecological Impacts of PFAS and Related Chemicals**| ...		
	1.13.T-01 Macroinvertebrate community responses to PFAS pollution: identification of threshold body burdens | **Cara Byns**, University of Antwerp, Belgium	**1.13.T-02** Acute toxicity of seven Perfluoroalkyl substances (PFAS) in Daphnia magna and Raphidocelis subcapitata | **Edoardo Pietropoli**, University of Padua, Italy	**1.13.T-03** Per- and polyfluoroalkyl substances (PFAS) exposure dysregulates neural activity, exacerbates microglial injury responses, and sensitizes larval zebrafish to the convulsant pentylenetetrazole | **Jessica Plavicki**, 70 Ship Street, USA
Wicklow Hall 2B	**Fish Model Species in Human and Environmental Toxicology**| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas		
	1.06.A.T-01 Molecular and Cellular Effects Underlying Insecticide-induced Neurobehavioral Alterations in Zebrafish Larvae | **Sarah Könemann**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**1.06.A.T-02** Identification of effect-biomarkers for vascular disruptors as an endpoint to predict developmental toxicity using zebrafish embryos | **Julia Nöth**, Helmholtz Centre for Environmental Research – UFZ, Germany	**1.06.A.T-03** Zebrafish Early Life Stages in the Study of Metabolic Disruption: The Case of Paraoxonase 1 | **Rik van den Boom**, University of Antwerp, Belgium
Level 3 East Wing	**Advantages of Using Lab and Field Collected Invertebrates and in Situ Studies in Ecotoxicology: Challenges and Opportunities**| ...		
	2.01.T-01 The population development of splash pool organisms under copper and predation risk exposure in field conditions | **Jan Heuschele**, University of Oslo, Norway	**2.01.T-02** The impact of the anti-sea lice chemotherapeutant, hydrogen peroxide, on three non-target crustacean species | **Rosa Helena Escobar Lux**, Havforskningsinstituttet/Institute of Marine Research, Norway	**2.01.T-03** Transcriptomic comparison of lab and field based enchytraeids for toxicity testing | **Alex Robinson**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

	09:35	09:50
Liffey A	**The Use of Omic Tools to Assess the Impact of Mixture Toxicity**| Hitoshi Iwahashi, Claudia de Lima de Lima e Silva, Yue Ge, Vera Silva	
	1.12.T-04 Earthworms Facing Pesticide Residues in Agricultural Landscapes | **Audrey Barranger**, IFREMER, France	**1.12.T-05** Effects of Mixtures of Herbicides on Soil Functions | **Isabel García**, Wageningen University & Research, CENUR Litoral Norte, Universidad de la Republica, Netherlands, Uruguay
Liffey B	**Establishing the State-of-the-Science in Human Exposure to Micro- and Nanoplastic**| Stephanie Wright, Kevin Thomas	
	3.10.T-04 Identifying matrix interferences in analysis of human exposure to polymers | **Cassandra Rauert**, The University of Queensland, Australia	**3.10.T-05** Micro- and Nanoplastic Quantification in Human Blood | **Marthinus Brits**, Vrije Universiteit Amsterdam, Netherlands
Liffey Hall 1	**Prospective Life Cycle Assessment of Emerging Technologies**| Nils Thonemann, Heather Margaret Logan, Anne E.M. van den Oever, Rickard Arvidsson	
	5.06.A.T-04 Prospective Optimization of Production Systems in Global Supply Chains | **Ioan-Robert Istrate**, ETH Zürich, Switzerland	**Poster spotlight** 5.06.P-Th374, 5.06.P-Th375, 5.06.P-Th376
Liffey Hall 2	| Tamara García-Barrera, MCarmen Collado, Alexander Feckler, Daniel Globisch	
	1.03.T-04 A High-Throughput Approach to Explore the Transformation Potential of the Human Gut Microbiome for Xenobiotic Interaction and Internal Exposure. | **Laura-Fabienne Fröhlich**, Helmholtz Centre for Environmental Research – UFZ, Germany	**Poster spotlight** 1.03.P-Th001, 1.03.P-Th002, TBD
Liffey Meeting Room 2	**Mechanistic Effect Modelling for Regulatory Environmental Risk Assessment: From Molecules to Landscapes**| Andreas Focks, Emily McVey, Andre Gergs, Yen TT Le	
	4.09.A.T-04 Physiologically-based kinetic models for bird species and application to fluopyram | **Stephan Schaller**, esqLABS GmbH, Germany	**4.09.A.T-05** Reproductive toxicity in birds predicted by DEB-TKTD modelling | **Thomas Martin**, Rifcon GmbH, Germany
EcoCem Room	| Nicola Montemurro, Maria Vittoria Barbieri, Serge Chiron, Sandra Pérez	
	3.12.T-04 What Sample Information Is Lost From Sampling to Analysis During Non-target Analysis? | **Bastian Schulze**, The University of Queensland, Australia	**Poster spotlight** 3.12.P-Th202, 3.12.P-Th203, 3.12.P-Th204
Wicklow Hall 1	**(Bio)Degradation and Persistence of Chemicals - New Perspectives & Developments**| Amelie Ott, Delina Lyon, John Parsons, Anu Kapanen	
	3.05.T-04 Influence of season on biodegradation rates in rivers | **Run Tian**, Stockholm University, Sweden	**Poster spotlight** 3.05.P-Th162, 3.05.P-Th163, 3.05.P-Th182
Wicklow Hall 2A	| Iseult Lynch, Francesco Dondero, Emma Schymanski, Antreas Afantitis	
	1.13.T-04 Neurotoxicity of Novel Perfluoroalkyl Ether Carboxylic Acids (PFECAs) in Earthworms (Eisenia foetida) | **Francesco Dondero**, Università del Piemonte Orientale, Italy	**Poster spotlight** 1.13.P-Th085, 1.13.P-Th086, 1.13.P-Th087
Wicklow Hall 2B	**Fish Model Species in Human and Environmental Toxicology**| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas	
	1.06.A.T-04 A Battery of Behavior-Based Assays in Larval Zebrafish to Elucidate Acute and Developmental Neurotoxicity Mechanisms | **David Leuthold**, Helmholtz Centre for Environmental Research – UFZ, Germany	**1.06.A.T-05** A new test system for assessing toxicity of chemicals with low water solubility: Dechlorane Plus as a case study. | **Marion Sebire**, Cefas, United Kingdom
Level 3 East Wing	| Carlos Barata Dr, Ben Kefford, Claudia Rivetti, James M. Lazorchak	
	2.01.T-04 The effects of Dexmedetomidine on the behaviour of crustaceans: lab to field approach | **Alex Ford**, University of Portsmouth, United Kingdom	**Poster spotlight** 2.01.P-Th099, 2.01.P-Th100, 2.01.P-Th101

COFFEE & POSTER BREAK

Thursday Platform Presentations Morning 2

	10:50	11:05	11:20
Liffey A	**Complex Mixtures in Chemical Risk Assessment: Challenges and Opportunities**| Maria Margalef Jornet, Maria Valente, Marja Lamoree		
	4.06.T-01 Are pesticide mixtures at realistic environmental concentrations noxious to the freshwater microalgae Raphidocelis subcapitata? | **Ana-Belen Muniz-Gonzalez**, CESAM & University of Aveiro, UNED, Portugal, Spain	**4.06.T-02** Indoor VOCs Levels in retail stores and Employee Personal Exposures in an urban city in Türkiye: Health Risk assessment, I/O ratios, and seasonal effects | **Fatma Eraslan**, Eskişehir Technical University, Turkey	**4.06.T-03** High-throughput effect-directed analysis strategy to study thyroid hormone system disruptors in WEEE contaminated toy material | **Naroa Lopez**, University of the Basque Country, Plentzia Marine Station, Spain
Liffey B	**PMT/vPvM substances: Assessment, Management and Regulation**| Michael Neumann, Hans Peter Arp, Anna Lennquist		
	3.20.T-01 Are PMOCs Less Toxic? Linking Physicochemical Compound Properties With Measured Toxicity | **Renske Hoondert**, KWR Water Research Institute, Netherlands	**3.20.T-02** Aqueous Leaching of Ultra-Short Chain PFAS from Fluoropolymers: Targeted and Non-targeted Analysis | **Shira Joudan**, University of Alberta, York University, Canada	**3.20.T-03** Efficacy of activated carbon filtration and ozonation to remove persistent and mobile substances – a case study in two full-scale wastewater treatment plants | **Daniel Zahn**, Helmholtz Centre for Environmental Research – UFZ, Germany
Liffey Hall 1	**Prospective Life Cycle Assessment of Emerging Technologies**| Nils Thonemann, Heather Margaret Logan, Anne E.M. van den Oever, Rickard Arvidsson		
	5.06.B.T-01 Combining Ex-ante Life Cycle Assessment with Scenario-Discovery and Conditional Probabilities to Assist Decision-making under Distinct Degrees of Incertitude | **Pierre Jouannais**, Aalborg University, Denmark	**5.06.B.T-02** A Procedure for Prospective Life Cycle Assessment in Materials Development – The Case of Carbon Fibre Composites | **Frida Hermansson**, Chalmers University of Technology, Sweden	**5.06.B.T-03** Transforming residual biomass into food and feed – conditions for an environmental success | **Ugo Javourez**, INSA Toulouse, France
Liffey Hall 2	**Long-Term and Multigenerational Impacts from Early-Life Exposure to Contaminants**| Mathilakath Vijayan, Ramji K. Bhandari, Steve Wiseman		
	1.08.T-01 Metabolic and Developmental Alterations in Fish Exposed to Waterborne Environmental Contaminants | **Hamid Habibi**, University of Calgary, Canada	**1.08.T-02** Early life exposure to endocrine disruptors: key learnings from metabolome mapping of rat models | **Sara Evangelista**, Vrije Universiteit Amsterdam, Netherlands	**1.08.T-03** Poly- and Perfluorinated Chemicals Alter Development and the Lipidome of Fathead Minnow Embryos | **Nancy Denslow**, University of Florida, USA
Liffey Meeting Room 2	**Mechanistic Effect Modelling for Regulatory Environmental Risk Assessment: From Molecules to Landscapes**| Andreas Focks, Emily McVey, Andre Gergs, Yen TT Le		
	4.09.B.T-01 Modelling Temperature-Dependent Life-Cycle Toxicity of Thiamethoxam in Chironomus Riparius Using a DEB-Based TKTD Model | **Josef Koch**, gaiac Research Institute, Germany	**4.09.B.T-02** Comparing Dynamic Energy Budget Parameters and Traits of Birds for the Extrapolation of PPP Exposure Impacts across Species | **Erik Muller**, ibacon GmbH, Germany	**4.09.B.T-03** A population model to assess the combined effects of ionising radiation and chemicals on wildlife | **Jordi Vives i Batlle**, Belgian Nuclear Research Centre (SCK CEN), Belgium
EcoCem Room	**In Search of the Smoking Gun: Linking Environmental Contamination to its Source**| Marthe Monique Gagnon, Francis David Spilsbury, Alan Scarlett		
	3.14.T-01 A bird in the hand: a sticky death for thousands of seabirds due to a spill of 'highly reactive' polyisobutene (PIB). | **Steven Rowland**, University of Plymouth, United Kingdom	**3.14.T-02** Can the Source of Oil Pollution be Identified using Diamondoid Molecular Indicators Accumulated in Fish Tissue? | **Alan Scarlett**, Curtin University, Australia	**3.14.T-03** Investigation of Sources of Polychlorinated Biphenyls in Rivers of the Lake Geneva Basin | **Ines Tascon**, University of Lausanne, France
Wicklow Hall 1	**Advances in Bioaccumulation Science and Assessment**| Karla M. Johanning, Christian Schlechtriem, Leslie J Saunders, Marco Enrique Franco		
	3.01.T-01 A Tiered Approach for Screening Chemicals for Biomagnification Potential in Air-Breathing Organisms | **Alessandro Sangion**, University of Toronto, Canada	**3.01.T-02** High Throughput Prediction of Hepatic Clearance Using Isolated Perfused Fish Livers in Diverse Chemical Mixtures | **Matthew Schultz**, University of Saskatchewan, Canada	**3.01.T-03** Elimination resistant: Characterising multi-compartment toxicokinetics of thiacloprid in Gammarus pulex using bioconcentration and receptor binding assays | **Johannes Raths**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland
Wicklow Hall 2A	**One Health: Ecotoxicology at the Human-Animal-Ecosystem Interface**| Kristin Nielsen, Jessica Dutton		
	7.07.T-01 One Health Approach for Evaluating Presence and Effect of Pharmaceuticals Discharged via a Wastewater Treatment Plant in the Marine Environment | **Daniela Maria Pampanin**, University of Stavanger, Norway	**7.07.T-02** A complex problem: hydraulic fracturing wastewaters on freshwater organisms and human perspectives | **Tamzin Blewett**, University of Alberta, Canada	**7.07.T-03** Effects of the plasticizer diethyl hexyl phthalate on physical fitness: a one health case study of contaminants at the human-animal-ecosystem interface | **Joseph Bisesi**, University of Florida, USA
Wicklow Hall 2B	**Fish Model Species in Human and Environmental Toxicology**| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas		
	1.06.B.T-01 Ecosafety evaluation of biogenic matrices for agricultural reuse using zebrafish embryos | **Silvia Signorini**, Università degli Studi di Milano, Italy	**1.06.B.T-02** Integrative Assessment of Ocean Pollution Impacts in Blue Sharks (Prionace glauca) | **Sara Novais**, Instituto Politécnico de Leiria, Portugal	**1.06.B.T-03** Probiotic administration counteracts Bisphenol A-induced toxicity at brain-gut-microbiome axis level in Danio rerio adults | **Christian Giommi**, Polytechnic University of Marche, Italy
Level 3 East Wing	**Deriving and Implementing Ecologically Relevant Environmental Quality Standards**| Adam Peters, Sandrine Andres		
	6.04.T-01 Deriving an EQS for Aluminium in UK Surface Waters | **Adam Peters**, wca consulting, United Kingdom	**6.04.T-02** On the Derivation and Implementation of Environmental Quality Standards for Sediments. | **M. Carmen Casado-Martinez**, Centre Ecotox, Switzerland	**6.04.T-03** The ecological relevance of Environmental Qualtity Standards for biota | **Lies Teunen**, University of Antwerp, Belgium

Thursday Platform Presentations Morning 2

	11:35	11:50
Liffey A	**Complex Mixtures in Chemical Risk Assessment: Challenges and Opportunities**| Maria Margalef Jornet, Maria Valente, Marja Lamoree	
	4.06.T-04 Combining algal growth inhibition, flow cytometry and computational approaches for chemical mixture ecotoxicity assessment | **Théo Ciccia**, Laboratoire National d'Hydraulique et Environnement (LNHE), Electricité de France (EDF) R&D, France	**Poster spotlight** 4.06.P-Th279, 4.06.P-Th284, 4.06.P-Th295
Liffey B	**PMT/vPvM substances: Assessment, Management and Regulation**| Michael Neumann, Hans Peter Arp, Anna Lennquist	
	3.20.T-04 Chemical Stripes – Visualizing Chemical Trends of the Past Influencing Today | **Dagny Aurich**, University of Luxembourg, Luxembourg	**3.20.T-05** Occurrence of PMT and vMvP Substances in Spanish and Portuguese Transnational River Basins and Coastal Water | **Rosario Rodil**, Universidade de Santiago de Compostela, Spain
Liffey Hall 1	**Prospective Life Cycle Assessment of Emerging Technologies**| Nils Thonemann, Heather Margaret Logan, Anne E.M. van den Oever, Rickard Arvidsson	
	5.06.B.T-04 Prospective LCA of brown-seaweed-based bioplastic: From pilot to industrial scale | **Maddalen Ayala**, Aalborg University, Denmark	**5.06.B.T-05** The environmental sustainability of new ways to produce benzene, toluene and xylene | **Emma Zuiderveen**, Radboud University Nijmegen & European Commission - Joint Research Centre, Netherlands
Liffey Hall 2	**Long-Term and Multigenerational Impacts from Early-Life Exposure to Contaminants**| Mathilakath Vijayan, Ramji K. Bhandari, Steve Wiseman	
	1.08.T-04 Transgenerational Effects of Ancestral Arsenic Exposure on Cognitive Performance and Dopamine Signaling Pathway in the Brain of Zebrafish | **Som Niyogi**, University of Saskatchewan, Canada	**1.08.T-05** Effects of Environmentally Relevant Mixture Concentrations of Estetrol/Drospirenone in Zebrafish: A Multigenerational Study | **Sebastien Baekelandt**, University of Namur, Belgium
Liffey Meeting Room 2	**Mechanistic Effect Modelling for Regulatory Environmental Risk Assessment: From Molecules to Landscapes**| Andreas Focks, Emily McVey, Andre Gergs, Yen TT Le	
	4.09.B.T-04 Modelling the effect of resource competition and feeding stress on individual and population level responses in two freshwater shredders | **Niamh O'Connor**, The University of Sheffield, United Kingdom	**4.09.B.T-05** Normal Operating Ranges (NOR) as a measure to analyse arthropod abundance variability in landscape simulations | **Leonhard Bürger**, Systems Science Group, Institute of Mathematics, Germany
EcoCem Room	**In Search of the Smoking Gun: Linking Environmental Contamination to its Source**| Marthe Monique Gagnon, Francis David Spilsbury, Alan Scarlett	
	3.14.T-04 Time series analysis to elucidate contamination sources of unknown substances in the Rhine River | **Teofana Chonova**, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland	**3.14.T-05** Presentation TBD
Wicklow Hall 1	**Advances in Bioaccumulation Science and Assessment**| Karla M. Johanning, Christian Schlechtriem, Leslie J Saunders, Marco Enrique Franco	
	3.01.T-04 Using multi-modal passive samplers for the estimation of risk and bioaccumulation in Gammarus pulex | **Alexandra Richardson**, Imperial College London, Kings College London, United Kingdom	**3.01.T-05** Strengthened role of New Approach Methods (NAMs) in bioaccumulation assessment under REACH | **Doris Hirmann**, European Chemicals Agency (ECHA), Finland
Wicklow Hall 2A	**One Health: Ecotoxicology at the Human-Animal-Ecosystem Interface**| Kristin Nielsen, Jessica Dutton	
	7.07.T-04 Contaminated Sites and Indigenous Peoples in Canada and the USA - A One Health Investigation | **Nil Basu**, McGill University, Canada	**7.07.T-05** Chemical hazard in edible insects – accumulation and elimination of contaminants from the substrate | **Diogo Filipe Nunes Cardoso**, University of Aveiro, Portugal
Wicklow Hall 2B	**Fish Model Species in Human and Environmental Toxicology**| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas	
	1.06.B.T-04 Widespread Psychoactive Pollutant Disrupts Fish Circadian Activity Rhythms | **Hung Tan**, Monash University, Australia	**Poster spotlight** 1.06.P-Th020, 1.06.P-Th021, 1.06.P-Th043
Level 3 East Wing	**Deriving and Implementing Ecologically Relevant Environmental Quality Standards**| Adam Peters, Sandrine Andres	
	6.04.T-04 Thresholds for the terrestrial environment: proposal for an aggregated Environmental Quality Standard | **Sandrine Andres**, INERIS, France	**Poster spotlight** 6.04.P-Th392, 6.04.P-Th393, 6.04.P-Th394

LUNCH & POSTER BREAK

P-Th | Thursday Poster Presentations

Schedule

Setup	08:00–08:45
Poster Viewing	10:05–10:45
Poster Viewing	12:05–14:00
Take Down	14:30–15:00

Poster Sessions

Assessing Adverse Effects of Pollutants on Host-Associated and Free-Living Microbiomes using -omics| Tamara García-Barrera, MCarmen Collado, Alexander Feckler, Daniel Globisch

1.03.P-Th001 Structural Responses of Bacterial Communities From Water, Biofilm, and Sediments to Environmental Parameters With Particular Emphasis on Antibiotic Stress at River Basin Level | **Pedro Inostroza**, University of Gothenburg, Sweden

1.03.P-Th002 Breast milk elemental profile is associated with postnatal maternal factors | **MCarmen Collado**, Institute of Agrochemistry and Food Technology (IATA-CSIC), Spain

1.03.P-Th003 Bioavailability of flumequine and diclofenac in a mice model exposed a "chemical cocktail". Impact of antibiotic-induced depletion of gut microbiota and selenium supplementation | **Rut Fernandez-Torres**, Universidad de Sevilla, Spain

1.03.P-Th004 Exploring the effects of "chemical cocktails" into brain and testicular metabolomes. Intertwined mechanisms with gut microbiota and selenium | **Cecilio Parra Martínez**, University of Huelva, Afghanistan

1.03.P-Th005 IMPACT OF A METAL-DRUG "CHEMICAL COCKTAIL" ON MICE BILE ACIDS PROFILE | **Rut Fernandez-Torres**, Universidad de Sevilla, Spain

1.03.P-Th006 The Influence of Florfenicol Coated Fish Feed on the Gene Expression of the Atlantic Salmon (Salmo salar) Gastrointestinal Tract and its Microbiome | **Daniela Maria Pampanin**, University of Stavanger, Norway

1.03.P-Th007 Antimicrobial Effects on the Gut Microbiome of a Leaf-Shredding Amphipod | **Alexander Feckler**, University of Koblenz-Landau, Germany

1.03.P-Th008 Consequences of the fragrance Amyl salicylate on the Mediterranean mussel Mytilus galloprovincialis and on host-microbiota interactions | **Ilaria Bernardini**, University of Padua, Italy

1.03.P-Th009 Impact of Contaminants of Emerging Concern on Groundwater Microbial Communities | **Nicola Montemurro**, IDAEA-CSIC, Spain

1.03.P-Th010 Metabarcoding Of Multiple Microbial And Metazoan Taxa In Grossly Contaminated Estuaries Reveals Their Differential Sensitivity To Metal Toxicity | **Abdullah Aleidan**, UEA, United Kingdom

1.03.P-Th011 Not just plastic: understanding the complex micro-environment of wastewater treatment plant microplastics and their role in shaping the plastisphere | **Olga Pantos**, ESR, New Zealand

Epigenetic Changes Modulating the Response of Organisms to Environmental Challenges: From Phenotypic Effects to Microevolution Patterns| Laia Navarro-Martin, Joana Pereira, Jana Asselman

1.05.P-Th012 Incorporating Epigenetics in Adverse Outcome Pathways: the EPIBOOST Project | **Joana Pereira**, University of Aveiro, Portugal

1.05.P-Th013 Time- and dose-dependent DNA methylation changes in earthworms exposed to cadmium: genome wide and gene specific epigenetic perspective | **Maja Srut**, University of Innsbruck, Austria

1.05.P-Th014 Multigenerational DNA Methylation Patterns Following Copper Exposure in Daphnia: The Role of Exposure History | **Guilherme Jeremias**, University of Aveiro, Portugal

1.05.P-Th015 Transgenerational Transcriptional Responses in Daphnia magna: The Role of Copper Exposure History | **Guilherme Jeremias**, University of Aveiro, Portugal

1.05.P-Th016 Marine pollutant tributyltin affects DNA methylation and fitness of banded murex (Hexaplex trunculus) populations | **Maja Srut**, University of Innsbruck, Austria

1.05.P-Th017 Genotoxicity and Epigenotoxicity of CMIT/MIT on Daphnia magna: Trans- and Multigenerational Effects | **Jiwan Kim**, University of Seoul, Korea, Republic of (South)

1.05.P-Th018 Investigation of Inter and Intraspecific Sensitivity to CMIT/MIT in Daphnia magna and pulex Using Epigenetics and Proteomics Analysis | **Jiwan Kim**, University of Seoul, Korea, Republic of (South)

1.05.P-Th019 Mechanisms of Non-lethal Heat Shock Induced Cross-tolerance to Hydrogen Peroxide in Two Strains of Monogonont Rotifer Brachionus plicatilis Species Complex | **Sara Novais**, Instituto Politécnico de Leiria, Portugal

Fish Model Species in Human and Environmental Toxicology| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas

1.06.P-Th020 Elemental Concentrations in the Invasive Australian Redclaw Crayfish, Cherax quadricarinatus, Pose Human Health Risks in the Largest Floodplain System of South Africa | **Johannes Erasmus**, North-West University, South Africa

1.06.P-Th021 Lipidic effects of metals in liver of blue shark (Prionace glauca) and small-spotted catshark (Scyliorhinus canicula) | **Tiago Simoes**, Polytechnic of Leiria & MARE, Portugal

1.06.P-Th023 Neurobehavior Changes of Adult Zebrafish Under Exposure to Chemical Ingredients in Commercial Fragrant Products | **Hanseul Lee**, Seoul National University of Science And Technology, Korea, Republic of (South)

1.06.P-Th025 Utilizing a population-genetic framework to test for gene-environment interactions between zebrafish behavior and chemical exposure | **Michael Simonich**, Oregon State University, USA

1.06.P-Th027 Novel Insight Into the Mode of Action of Metabolic Endocrine Disruptors (MDCs) In the Developing Intestine Through the Use of a Transgenic tg(cyp3a65:GFP) Zebrafish Model | **Chedi Erradhouani**, INERIS, France

1.06.P-Th028 Evaluation of Developmental Toxicity, Immunotoxicity and Endocrine Disruption Caused by Exposure to Triazines, Triazoles and Short-Chain Per- and Polyfluoroalkyl Substances | **Maxim Carlier**, Vrije Universiteit Amsterdam, Netherlands

1.06.P-Th029 In vitro and In vivo experiments to evaluate the endocrine disrupting toxicity of DEHTP in relation to the HPG and GH/IGFs axis | **Kijeong Yun**, Yongin University, Korea, Republic of (South)

1.06.P-Th030 Screening for the Potential Disruption of the Thyroid or Estrogen-Receptor Signaling Pathway using the Zebrafish Embryo | **Christoph Rummel**, BBD BioPhenix S.L. - Biobide, Spain

1.06.P-Th031 Transcriptomic Profiling of Clobetasol Propionate Induced Immunosuppression During a TLR-7-dependent Immune Challenge in Zebrafish Embryos | **Benedikt Luckner**, Fraunhofer IME - Institute for Molecular Biology and Applied Ecology, Germany

1.06.P-Th032 Evaluation of the toxicity of guanitoxin-producing cyanobacteria on Danio rerio hepatocytes culture (ZF-L) | **Larissa Souza Passos**, University of São Paulo (USP), Brazil

1.06.P-Th033 Are early life stages of fish affected by paroxetine? A case study with Danio rerio | **Miguel Oliveira**, CESAM & University of Aveiro, Portugal

1.06.P-Th034 The zebrafish embryo – An alternative to mammalian teratogenicity tests in assessing effects of pharmaceuticals? | **Katharina Brotzmann**, University of Heidelberg, Germany

1.06.P-Th035 Effects of Amitriptyline and Metabolite Nortriptyline on Eye Development in Danio Rerio | **Marwin Jafari**, Universitetet i Stavanger, Norway

1.06.P-Th036 Does Light Pollution Affect Zebrafish Embryos Response To Antineoplastic Drugs? | **Marta Monteiro**, University of Aveiro, Portugal

1.06.P-Th037 Impairment of sensory organ development in petroleum-exposed zebrafish embryos - response of the visual system | **Bianca Dechent**, Goethe University Frankfurt, Germany

1.06.P-Th038 Impairment of sensory organ development in petroleum-exposed zebrafish embryos – response of the lateral line system | **Alischa Becker**, Goethe University Frankfurt, Germany

1.06.P-Th039 Automated Counting, Measuring, and Screening of zebrafish embryos | **Sizenando Abreu**, Aveiro University & CESAM, Portugal

1.06.P-Th040 Answering environmental toxicology questions through LC-TIMS-HRMS based toxicometabolomics of zebrafish exposed to xenobiotics – Lipid metabolism under the spotlight | **Dimitrios Damalas**, National and Kapodistrian University of Athens, Greece

1.06.P-Th041 Use of Zebrafish Embryotoxicity and Reprotoxicity Tests to Assess Environmental Chemicals Effect on Reproduction and Development | **Arantza Muriana**, BBD BioPhenix S.L. - Biobide, Spain

1.06.P-Th042 Offshore renewable energy: toxicity of metallic elements released in the marine environment by anticorrosive protections in medaka (Oryzias melastigma) | **Mélanie Blanc-Legendre**, France Energies Marines, France

1.06.P-Th043 Do Halogenated Environmental Toxins Cause Immunosuppression In Baltic Sea Salmon? | **Dennis Lindqvist**, Karolinska Institutet, Sweden

1.06.P-Th044 Barrier function of the marine medaka (O. melastigma) chorion | **Jakob Pfefferle**, Goethe University Frankfurt, Germany

1.06.P-Th045 Element accumulation in the Evil-eye blaasop, Amblyrhynchotes honckenii (Bloch), and its parasitic isopod, Cinusa tetrodontis Schjödte et Meinert, 1884, in South Africa | **Linda Van Der Spuy**, North West University (Potchefstroom Campus), South Africa

1.06.P-Th046 Hepatic morphological acute damages

of neotropical fish exposed to low concentrations of Fire Suppression Agents (FSA) | **Kainã Fagundes**, UNESP-Campus do Litoral Paulista, Brazil

Freshwater and Marine Harmful Algal Blooms (HABs): The Detection, Fate, Effects, Monitoring, and Management of Blooms| James M. Lazorchak, Triantafyllos Kaloudis, Klara Hilscherova

1.07.P-Th047 Raman Spectroscopy and Structural Analysis of Cyanobacteria and Harmful Algal Blooms | **Christoph Wetzel**, Leibniz Universität Hannover, Hannover Centre for Optical Technologies, Germany

1.07.P-Th048 Monitoring Cyanobacteria Levels in Recreational Waters: Success with STEM in a Community Sailing Program | **Dana Norton**, Community Boating Inc., USA

1.07.P-Th049 Development of a Microcystis aeruginosa culture method to produce sufficient amounts of microcystin to conduct multispecies acute and chronic toxicity tests | **James Lazorchak**, U.S. Environmental Protection Agency, USA

1.07.P-Th050 Effects of binary mixtures of cyanotoxins and xenobiotics on the growth rate of the freshwater algae Chlorella vulgaris | **Susana Loureiro**, University of Aveiro, Portugal

1.07.P-Th051 Nutrient Limitations and Differential Gene Expression of Prymnesium parvum throughout Growth Curve | **Shisbeth Tabora Sarmiento**, Texas Tech University, USA

1.07.P-Th052 Widely used herbicide promotes toxigenic cyanobacterial growth and decreases the reproductive output of its parasitic fungi | **Erika Berenice Martinez Ruiz**, Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Germany

1.07.P-Th053 Response of a coastal amphipod to single and binary exposures of a toxic seaweed and a dinoflagellate | **Tiago Simoes**, Polytechnic of Leiria & MARE, Portugal

1.07.P-Th054 Toxicity of Ostreopsis cf. siamensis and Prorocentrum lima: effects in the coastal amphipod Echinogammarus marinus | **Tiago Simoes**, Polytechnic of Leiria & MARE, Portugal

1.07.P-Th055 Adaptation Responses of the Cyanobacteria Halomicronema metazoicum to Consequences of Climate Change Scenarios | **Silvia Simonetti**, University of Siena, Italy

1.07.P-Th056 Control of harmful algae by infochemicals derived from Daphnia according to water temperature and Daphnia species. | **Gwiwoong Nam**, Korea University, Korea, Republic of (South)

1.07.P-Th057 Graphene-Mediated Removal of Cyanotoxins for Water Security | **Jesse Roberts**, U.S. Army Engineer Research and Development Center, USA

Long-Term and Multigenerational Impacts from Early-Life Exposure to Contaminants| Mathilakath Vijayan, Ramji K. Bhandari, Steve Wiseman

1.08.P-Th058 Multigenerational Effects of the Novel Brominated Flame Retardant, 1,2,5,6-tetrabromocyclooctane (TBCO), on Japanese medaka (Oryzias latipes) | **Chloe Devoy**, University of Lethbridge, Canada

1.08.P-Th059 The Effects of UV-P on the Model Fish Species, Zebrafish (Danio rerio) Following Early Life Stage Exposure | **Yamin Raza**, University of Lethbridge, Canada

1.08.P-Th060 Zygotic Exposure to Venlafaxine Leads to Long-term and Multigenerational Impacts in Zebrafish | **Mathilakath Vijayan**, University of Calgary, Canada

1.08.P-Th061 Dietary Exposure to the Flame Retardant, BDE-99, Induces Multigenerational Behavioral Alterations in Atlantic Killifish | **Nicole McNabb**, University of California, Davis, USA

1.08.P-Th062 Persistent effects of early life exposure of zebrafish to water from the Richelieu River (QC, Canada) | **Hugo Marchand**, McGill University, Canada

1.08.P-Th063 Embryo-larval toxicity and molecular toxicity pathways of maternally transferred hexabromocyclododecane (HBCD) in fathead minnows (Pimephales promelas) | **Markus Hecker**, University of Saskatchewan, Canada

1.08.P-Th064 Transcriptomic profile in zebrafish (Danio rerio) embryos exposed to environmental concentrations of glyphosate | **Luis Terrazas Salgado**, Centro de Investigacion en Alimentacion y Desarrollo, A.C., Mexico

1.08.P-Th065 Effect of mifepristone on the development of African clawed frog (Xenopus laevis) | **Michal Pech**, University of South Bohemia Ceske Budejovice, Czech Republic

1.08.P-Th066 Transgenerational Adaptation to Ocean Acidification Determines the Susceptibility of Filter-Feeding Zooplankton to Nanosized Plastic | **Jae-Seong Lee**, Sungkyunkwan University, Korea, Republic of (South)

The Use of Omic Tools to Assess the Impact of Mixture Toxicity| Hitoshi Iwahashi, Claudia de Lima de Lima e Silva, Yue Ge, Vera Silva

1.12.P-Th068 Metabolomics to Study the Impact of Diazepam and Irbesartan on Glass Eels (Anguilla Anguilla) and the Differences in their Migratory Phenotypes | **Iker Alvarez**, University of the Basque Country, Spain

1.12.P-Th069 Oxidative markers in pulmonary cells exposed to different fractions of PM2.5-0.3 collected from urban, traffic, and industrial sites in northern France | **Anthony Verdin**, Université du Littoral Côte d'Opale, France

1.12.P-Th070 Identification of Adverse Outcome Pathway (AOP) Relevant to Diesel Particulate Matter (DPM) Using Transcriptomics and Comparative Toxicogenomics Database Integrative Approach | **Yongmin Jung**, University of Seoul, Korea, Republic of (South)

1.12.P-Th071 Particulate Pollution in Lebanon: In-Vitro Evaluation of PM Organic Extractable Matter in Human pulmonary Cells | **Anthony Verdin**, Université du Littoral Côte d'Opale, France

1.12.P-Th072 Use of Transcriptomic Points of Departure (tPODs) to Assess Toxicity of Oil in Early Life Stage Atlantic Cod | **Jessica Head**, McGill University, Canada

1.12.P-Th073 Chemicals in Plastic Food Packaging Activate Cell Surface Receptors | **Molly McPartland**, Norwegian University of Science & Technology (NTNU), Norway

1.12.P-Th074 Investigation of benzotriazole toxicity in rainbow trout larvae (Oncorhynchus mykiss) using the transcriptomics point of departure approach | **Andreas Eriksson**, University of Lethbridge, Canada

1.12.P-Th075 Developing a bioindicator toolbox for monitoring the risk of Plant Protection Product residues in soil | **Gilda Dell'Ambrogio**, Swiss Centre for Applied Ecotoxicology, Switzerland

1.12.P-Th076 Proposal for the validation process of the methodology for the quantitative analysis of microorganisms | **Carmen Gimeno**, Eurofins Agroscience Services, Spain

1.12.P-Th077 Evaluation of the Effects of a Sequential Application of Plant Protection Products on Soil Microbes and Free-Living Nematodes in a Field Experiment | **Camilla Drocco**, ECT Oekotoxikologie GmbH, Germany

1.12.P-Th078 Differing Sensitivity of Folsomia candida and Encytraeus crypticus to Pesticides and their Mixtures. | **Emily Eagles**, UK Centre for Ecology & Hydrology (UKCEH), United Kingdom

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1.13.P-Th086 Exposure and Adverse Effects of PFAS in Resident Passerine Birds Breeding Nearby a Perfluoropolymer Plant | **Marco Parolini**, University of Milan, Italy

1.13.P-Th087 Pre and postnatal exposure to per- and polyfluoroalkyl compounds (PFAS). Unravelling the early exposure to "the forever chemicals". | **Belen Gonzalez-Gaya**, Plentzia Marine Station (PiE-UPV/EHU), Spain

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4.04.P-Th254 Degradation of Sulfamethoxazole by Immobilized Enzyme-Mediator Systems | **Carlos García-Delgado**, Universidad Autónoma de Madrid (UAM), Spain

4.04.P-Th255 Absorption of Atenolol and Tetracycline in Different Organic Amendments | **Marco A. Jiménez-González**, Universidad Autónoma de Madrid (UAM), Spain

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5.06.P-Th391 The Relevance of Early-stage Carbon Footprinting in Sustainable Product Design: The Case of Paper-based Printed Electronics | **Akshat Sudheshwar**, Empa – Swiss Federal Laboratories for Material Science and Technology, Switzerland

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6.04.P-Th392 pH normalization of effect values of ionisable drugs for aquatic EQS derivation taking Diclofenac as an example | **Marion Junghans**, Swiss Centre for Applied Ecotoxicology, Switzerland

6.04.P-Th393 Updating the Environmental Quality Standard for nickel in the UK | **Elizabeth Middleton**, NiPERA, Inc., USA

6.04.P-Th394 Metals Ecotoxicity Species Sensitivity: From Native Waters to Laboratory Waters | **Carol Mackie**, Regulatory Compliance Limited, United Kingdom

6.04.P-Th395 Enhancing the Role of Open Literature in Regulatory Environmental Risk Assessment | **Simone Rizzuto**, European Food Safety Authority (EFSA), Italy

6.04.P-Th396 A Framework for the co-building of reference values using multi-agent approach implementing exposure-impregnation models | **Sandrine Charles**, University Claude Bernard Lyon 1, France

6.04.P-Th397 Solution-focused mixture assessments at the landscape level and key notions to improve water quality under the Water Framework Directive | **Leo Posthuma**, RIVM, Netherlands

6.04.P-Th398 Criteria to Assess the Relevance and Reliability of Environmental Threshold Concentrations (ETCs) for Pharmaceuticals | **Caroline Moermond**, RIVM, the Netherlands, Netherlands

6.04.P-Th399 Updating the EQS for zinc in the UK | **Adam Peters**, wca consulting, United Kingdom

6.04.P-Th400 Updating the Metals Bioavailability Assessment Tool for assessing EQS compliance for bioavailable metals in the UK | **Adam Peters**, wca consulting, United Kingdom

6.04.P-Th401 Which Distribution to Choose for Deriving a Species Sensitivity Distribution? | **Miina Yanagihara**, KWR Water Research Institue, Netherlands

6.04.P-Th402 Organic Wastes Applied to Land—Australian Approaches to Assessing Risks and Establishing Acceptable Levels | **Jackie Wright**, Environmental Risk Sciences Pty Ltd (enRiskS), Australia

6.04.P-Th403 A Proposal for Ecotoxicological Risk-based Reference Values for Plant Protection Product Residues in Agricultural Soils: Soil Guidance Values | **Mireia Marti-Roura**, Swiss Centre for Applied Ecotoxicology, Switzerland

SciComm Stars – The Science Awakens| Lena Benner, Annika Mangold-Doring

6.12.P-Th404 Daphnia detectives- the case of the pillowcase, pegs and pink particles | **Katie Reilly**, The University of Birmingham, United Kingdom

6.12.P-Th405 Why Micropollutants in Drinking Water Have So Much to Do With Trust | **Thomas-Benjamin Seiler**, Hygiene-Institut des Ruhrgebiets, Germany

6.12.P-Th407 The Right Tool for the Job: Why and How to Adapt Your Science Communication for In-person and Virtual Events | **Matteo Piumatti**, Altertox Academy, Belgium

One Health: Ecotoxicology at the Human-Animal-Ecosystem Interface| Kristin Nielsen, Jessica Dutton

7.07.P-Th408 Mercury Exposure to Humans from the Consumption of Small Cetaceans in St. Vincent & the Grenadines, West Indies | **Jessica Dutton**, Texas State University, USA

7.07.P-Th409 Implications of Climate Change for Dietary Contaminant Exposure in Alaskan Subsistence Communities | **Kristin Nielsen**, The University of Texas at Austin, USA

7.07.P-Th411 Microplastics in a Local Population of Dolphins (Tursiops truncatus): A One Health Approach to Coastal Monitoring | **Bonnie Ertel**, CSS, on contract to NOAA NCCOS, USA

7.07.P-Th412 A One Health Solution to Control Residual Malaria Transmission: The Not-So-Hidden Added Value of Ecotoxicology and Environmental Chemistry | **Andre Heinrich**, Justus Liebig University Giessen, Germany

7.07.P-Th413 Distinctive gastric structural responses of Wistar rats exposed to environmental concentrations of Tributyltin (TBT) | **Kainã Fagundes**, UNESP- Campus do Litoral Paulista, Brazil

7.07.P-Th414 Can I Eat This Fish? - Dietary Recommendations to Reduce the Mercury Risk Exposure in Portugal | **Sizenando Abreu**, Aveiro University & CESAM, Portugal

Virtual-Only Presentations

Virtual-only presentations are not linked to a day and are viewable during the entire meeting (and up to three months after the meeting). Visit the meeting platform to view all virtual-only presentations.

Assessing Adverse Effects of Pollutants on Host-Associated and Free-Living Microbiomes using -omics| Tamara García-Barrera, MCarmen Collado, Alexander Feckler, Daniel Globisch

1.03.V-01 Insights Into the Functional and Structural Alterations of a Simplified Human Intestinal Microbiota Model Caused by Pesticides Using Proteomics and Metabolomics | **Victor Castaneda-Monsalve**, Helmholtz-Centre for Environmental Research - UFZ, Germany

Fish Model Species in Human and Environmental Toxicology| Riccardo Massei, Sarah Johann, Elisabet Teixido, Dimitrios E. Damalas

1.06.V-01 Neurotoxic effects by bifenthrin exposure in zebrafish | **Sangwoo Lee**, Korea Institute of Toxicology (KIT), Korea, Republic of (South)

1.06.V-02 Development of a Toxicity Fingerprinting System to Identify Developmental and Acute Neurotoxicants in Larval Zebrafish | **Nadia Herold**, Helmholtz-Centre for Environmental Research - UFZ, Germany

Towards a One Health Approach to Integrating Human Toxicology, Ecotoxicology and Ecological Impacts of PFAS and Related Chemicals| Iseult Lynch, Francesco Dondero, Emma Schymanski, Antreas Afantitis

1.13.V-01 Developing an easily accessible repository of PBK models for PFAS | **Periklis Tsiros**, National Technical University of Athens, Greece

1.13.V-02 Systematic Developmental Toxicity Assessment of a Structurally Diverse Library of 139 PFAS in Zebrafish | **Michael Simonich**, Oregon State University, USA

1.13.V-03 Cytotoxicity of Ether Perfluoro Carboxylic Acid PFAS Congeners in Earthworm Granulocytes | **Francesco Dondero**, Università del Piemonte Orientale, Italy

Advances in Bioaccumulation Science and Assessment| Karla M. Johanning, Christian Schlechtriem, Leslie J Saunders, Marco Enrique Franco

3.01.V-01 Bioaccumulation factor relationship analysis with heavy metal concentrations in river sediments and dominant benthic macroinvertebrates | **Kiyun Park**, Chonnam National University, Korea, Republic of (South)

Establishing the State-of-the-Science in Human Exposure to Micro- and Nanoplastic| Stephanie Wright, Kevin Thomas

3.10.V-01 Development of analytical methods for detection of nanoplastics in fish | **Milica Velimirovic**, Flemish Institute for Technological Research (VITO), Belgium

3.10.V-02 Uptake and Distribution of Polyisobutylene microplastic in the gut of zebrafish following dietary exposure. | **Abass Anifowoshe**, Indian Institute of Science, India

In Search of the Smoking Gun: Linking Environmental Contamination to its Source| Marthe Monique Gagnon, Francis David Spilsbury, Alan Scarlett

3.14.V-01 Contamination Sources Drive Hg Bioaccumulation in Arctic Marine Predators | **Marianna Pinzone**, University of Liege, Belgium

PMT/vPvM substances: Assessment, Management and Regulation| Michael Neumann, Hans Peter Arp, Anna Lennquist

3.20.V-02 National-scale spatially-explicit health risks associated with persistent mobile and toxic (PMT) chemical exposure via drinking water | **Michael Whelan**, University of Leicester, United Kingdom

Complex Mixtures in Chemical Risk Assessment: Challenges and Opportunities| Maria Margalef Jornet, Maria Valente, Marja Lamoree

4.06.V-01 Effect Based Monitoring in ecosystems potentially affected by Power Plants | **Mario Carere**, Italian Institute of Health (ISS), Italy

Prospective Life Cycle Assessment of Emerging Technologies| Nils Thonemann, Heather Margaret Logan, Anne E.M. van den Oever, Rickard Arvidsson

5.06.V-01 Comparative evaluation of DACCS technologies considering location and energy sources using LIME3 | **Hayato Suzuki**, Tokyo City University, Japan

5.06.V-02 Multiple Functional Units' Selection in Prospective LCA for Better Representation of Emerging Technologies in Materials Science: A Case Study of Supercapacitors | **Ahmad Kamal Kamali**, University of Bordeaux - ISM, France

5.06.V-03 Combined Technico-Economic Analysis and Life Cycle Assessment of Microalgae Production as Alternative Feedstuff | **Melanie Douziech**, Agroscope, Switzerland

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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.

Attendees of SETAC meetings are expected to adhere to all SETAC policies, including SETAC Participant Policies. Learn more at www.setac.org/policies.

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Participants in SETAC activities are expected to adhere to the highest standards of integrity and professionalism and comply with the SETAC Code of Conduct. Attendees are reminded to observe SETAC's principles and values and to maintain an atmosphere of civil and constructive scientific exchange.

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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 capture and share the research being presented as long as they do so in a respectful manner, honour the intellectual property of the presenter, and they 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.

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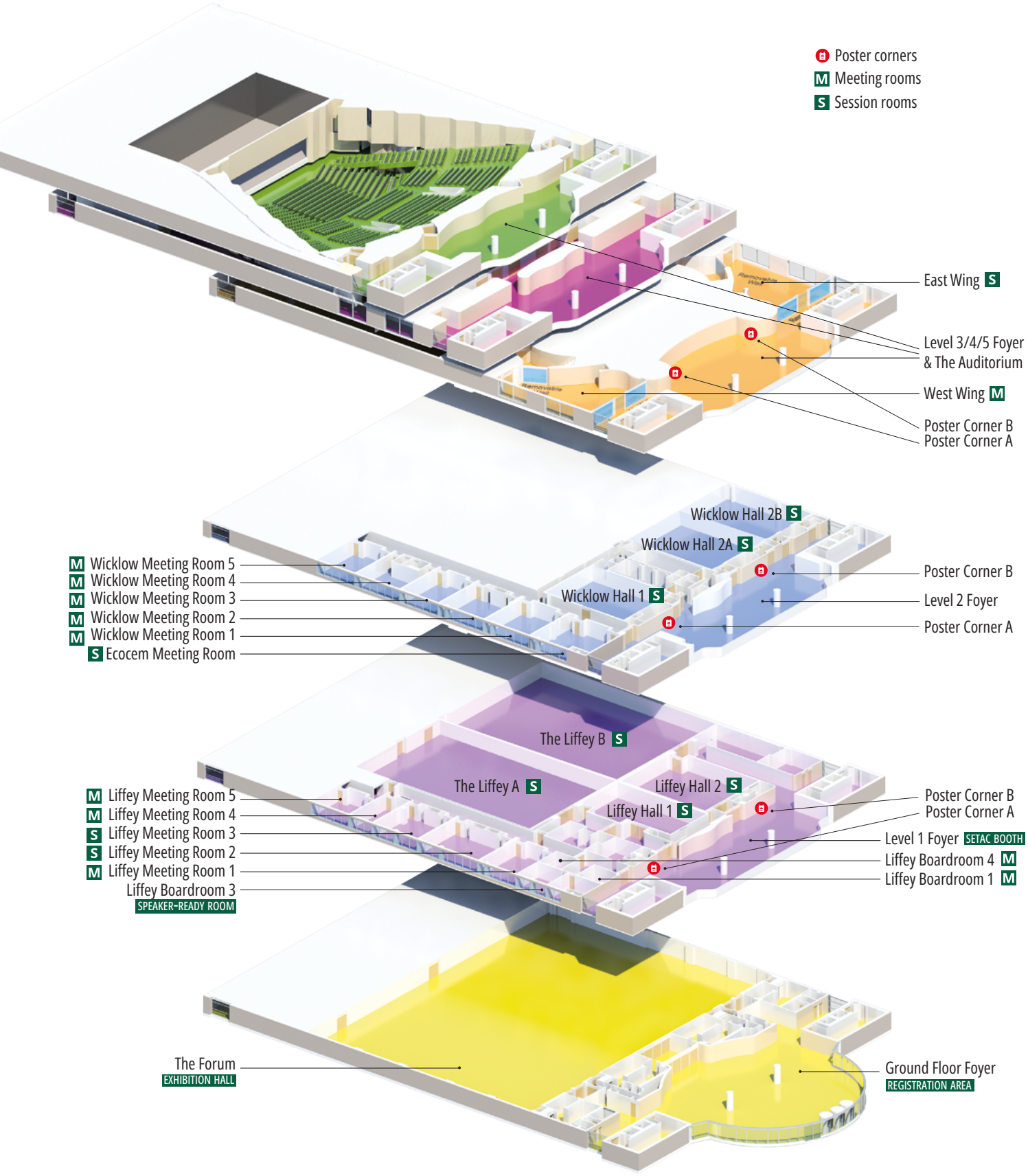
Floor Plan


Poster corners
M Meeting rooms
S Session rooms
East Wing S
Level 3/4/5 Foyer
& The Auditorium
West Wing M
Poster Corner B
Poster Corner A
Wicklow Hall 2B S
Wicklow Hall 2A S
Wicklow Hall 1 S
M Wicklow Meeting Room 5
M Wicklow Meeting Room 4
M Wicklow Meeting Room 3
M Wicklow Meeting Room 2
M Wicklow Meeting Room 1
S Ecocem Meeting Room
Poster Corner B
Level 2 Foyer
Poster Corner A
The Liffey B S
The Liffey A S
Liffey Hall 2 S
Liffey Hall 1 S
M Liffey Meeting Room 5
M Liffey Meeting Room 4
S Liffey Meeting Room 3
S Liffey Meeting Room 2
M Liffey Meeting Room 1
Liffey Boardroom 3
SPEAKER-READY ROOM
Poster Corner B
Poster Corner A
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