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UNESCO-EU H2020 LimnoPlast Conference

**DIVING INTO FRESHWATER MICROPLASTIC POLLUTION - CONNECTING WATER, ENVIRONMENTAL AND
SOCIAL SCIENCES**

March 6th till March 9th, 2023

Venue:

Unesco HQ building

Entrance:

125 Av. de Suffren
75007 Paris, France

Detailed Program



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Registration and Welcome Coffee

6th March - 09:00 – 10:00

Opening Ceremony

6th March - 10:00 – 11:30

Keynote speaker: Bethanie Carney Almroth (University of Gothenburg – Sweden)

Name	Role	Institution	Country
Abou Amani	Director of Division of Water Sciences	UNESCO	France
Sam Azimi	Director of Research and Innovation Department	Service public de l'assainissement francilien (SIAAP)	France
Jerome Lesueur	Research Director	École des Ponts ParisTech (ENPC)	France
Christian Laforsch	Coordinator of the ITN H2020 Limnoplant Professor	University of Bayreuth	Germany

Speaker	Institution	Presentation title	Time
Bethanie Carney Almroth	University of Gothenburg (Sweden)	Outside the Safe Operating Space: Planetary Limits of Plastics and Chemicals	11:00



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Thematic Session: Sources of MP in Freshwater Ecosystems

6th March - 11:30 – 12:30

Keynote speaker: Denise Mitrano (ETH Zürich – Switzerland)

The speakers of the session will present scientific approaches and research results characterizing the source dynamics and presence of microplastic particles in freshwater ecosystems.

Speaker	Institution	Presentation title	Time
Denise Mitrano	ETH Zürich (Switzerland)	Embracing ecosystem complexity to understand the full impacts of microplastics pollution	11:30
Feride Öykü Sefiloğlu	Vrije Universiteit Amsterdam (Netherlands)	Microplastics in drinking water: Monitoring microplastics from source to tap by pyrolysis GC-MS	12:00
Cleo Stratmann	École des Ponts ParisTech (France)	Riverine microplastics in the Seine catchment	12:15

Lunch Break - 12:30 – 14:00



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Thematic Session: Sources of MP in Freshwater Ecosystems

6th March – 14:00 – 15:00

Speaker	Institution	Presentation title	Time
Marziye Molazadeh	Aalborg Universitet (Denmark)	Stormwater ponds, sinks, or sources of microplastics?	14:00
Sethunath Sethulekshmi	Indian Institute of Technology Bombay (India)	Sewage treatment plants as a source of microplastic pollution in water bodies	14:15
Friederike Stock	Federal Institute of Hydrology (Germany)	From the river to the sea: Microplastics in water and sediments of the Elbe and Thames rivers and the North Sea	14:30
Max Beaurepaire	École des Ponts ParisTech (France)	Local urban activity and atmospheric microplastics deposition	14:45

Coffee Break and Poster Session - 15:00 – 16:00

Youth Networking World Café

6th March - 16:00 – 17:00



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Thematic Session: Impacts on Freshwater Biota and Public Health
7th March - 10:00 – 12:00

The speakers of this section will present how the microplastic particles presence in freshwater ecosystems is impacting public health and aquatic flora and fauna.

Speaker	Institution	Presentation title	Time
Romain Tramoy	École des Ponts ParisTech (France)	The Endless World: Plastic debris in the Seine estuary as a case study	10:00
Gary Hardiman	Queens University Belfast (Great Britain)	A systems level approach to studying the impacts of micro-nanoplastics (MNPs) on Freshwater Biota and Public Health	10:15
Gabriël Olthof	Norwegian University of Science and Technology (Norway)	Dose metric as one of the determining factors in comparing microplastic toxicity	10:30
Simona Mondellini	University of Bayreuth (Germany)	Beyond microplastics: Water soluble synthetic polymers exert sublethal adverse effects in the freshwater cladoceran <i>Daphnia magna</i>	10:45
Sarah Stevens	Norwegian University of Science and Technology (Norway)	Endocrine disrupting chemicals in plastics – In vitro toxicity and chemical composition	11:00



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Azora König Kardgar	University of Gothenburg (Sweden)	Chronic toxicity of microplastic in fish species	11:15
Anita Jemec Kokalj	University of Ljubljana (Slovenia)	Changes in immunity as an early response to microplastics exposure	11:30
Senavirathna Jayasanka	Saitama University (Japan)	Responses of freshwater macrophytes and cyanobacteria to microplastic exposure	11:45

Lunch Break - 12:00 – 14:00



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Thematic Session: Social & Behavioral Science, Economics and Legal Perspectives

7th March - 14:00 – 17:00

Keynote speaker: Sabine Pahl (University of Vienna – Austria)

The speakers of this section will highlight the relevance of social and economic aspects to microplastic pollution. Further, they will discuss challenges and opportunities for behavioral transformation and legal opportunities to tackle the microplastic challenge.

Speaker	Institution	Presentation title	Time
Sabine Pahl	University of Vienna (Austria)	Microplastics and society: From risk perception to action	14:00
Carolin Völker & Johanna Kramm	ISOE – Institute for Social- Ecological Research (Germany)	On the creation of risk – discussions on microplastics in science, media and public	14:30
Aybüke Özdamar	Fraunhofer UMSICHT (Germany)	Understanding Effectiveness and Efficiency of Interventions to Reduce the Release of Microplastics into the Environment: Tire and Textile Case Studies	14:45

Coffee Break and Poster Session - 15:00 – 16:00



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Marcos Felipe Rodríguez	University of Bergen (Norway)	Mental models, worry and responsibility judgments about microplastics in the Norwegian public	16:00
Maja Grünzner	University of Vienna (Austria)	Behavioural Approaches to Microplastics Pollution: The Case of Fashion Consumption	16:15
Giorgia Carratta	HHL Leipzig Graduate School of Management (Germany)	(Micro)plastics Pollution in the International and EU Legal Landscape: Current Challenges and Intervention Recommendations	16:30
Karlijn von den Broek	Utrecht University (Netherlands)	Expert's mental models of microplastics pollution	16:45

Conference Dinner - 19:00 – 21:00

At Academy Du Climat

2 Pl. Baudoyer, 75004 Paris, France



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Thematic Session: Innovative Technological Solutions to the MP Issue

8th March - 10:00 – 12:00

Keynote speaker: Lila Durix (Ville de Paris)

The speakers of this session will provide insights into analytical, technical, scientific and political solutions being investigated to reduce microplastic in the environment.

Speaker	Institution	Presentation title	Time
Lila Durix	Ville de Paris – Paris city hall (France)	Zero SUP by 2024 for Olympics and Paralympics games	10:00
MinhTrang Nguyen	Ecole des Ponts ParisTech (France)	Occurrence and fate of microplastics in Parisian combined sewer network	10:30
Vaibhav Budhiraja	National Institute of Chemistry (Slovenia)	Degradation of Microplastics in the Environment	10:45
Dipannita Ghosh	University of Bayreuth (Germany)	Degradation Control in Bio-based Polycarbonate	11:00
Emna Abdeljaoued	Evonik Technology & Infrastructure GmbH (Germany)	Electrostatic separation of Nanoplastics from wastewater	11:15
Christina Galafton	Fraunhofer Umsicht (Germany)	Plastic emission during strawberry cultivation in Germany	11:30



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Linda Mederake	EcologicInstitute (Germany)	The challenge of reducing (micro)plastic emissions: Possible contribution of consumers and recommendations for effective policy interventions	11:45
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Lunch Break - 12:00 – 14:00

Keynote Speech: Prof. Richard Thompson

8th March - 14:00 – 14:30

Speaker	Institution	Presentation title	Time
Richard Thompson	University of Plymouth (United Kingdom)	Plastic Litter: what progress are we making to solving this global environmental challenge?	14:00

High-level Panel: Science & Policy Dialogue on Microplastics (MP) Pollution

8th March - 14:30 – 15:30

Moderator: Aude Vidal (Le Monde Diplomatique)

Name	Role	Institution	Country
Moira Tourneur	Advocacy Manager	Zero WasteFrance	France
Lucie Padovani	Advocacy and Water Waste Campaign Manager	Surfrider Foundation Europe	France
Xavier Leflaive	Principle Administrator	OECD	France
Richard Thompson	Professor	University of Plymouth	United Kingdom



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Closing Ceremony
8th March - 15:30 – 16:15

Name	Institution	Presentation title	Time
Bruno Tassin	Ecole des Ponts ParisTech (France)	Summary on Sources of MP in Freshwater Ecosystems	15:30
Martin Wagner	Norges Teknisk- Naturvitenskapelige Universitet (Norway)	Summary on Impacts of MP on Freshwater Biota and Public Health	15:35
Gisela Böhm	Universiteteti Bergen (Norway)	Summary on Social & Behavioral Science, Economics and Legal Perspectives	15:40
Andrej Kržan	National Institute of Chemistry (Slovenia)	Summary on Innovative Technological Solutions to the MP Issue	15:45
Christian Laforsch	University of Bayreuth (Germany)	Final remarks and future perspectives of MP research	15:50
Sarantuyaa Zandaryaa	UNESCO (France)	Final remarks	16:00

End of conference