 

L’humain à l’eau : Human impact on water management and pollution

23-24 April 2024

***Montpellier, France***

**Venue**: Charles Flahault auditorium at the Botanical Institute

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| **Day 1 – 23rd April** | | |
| 08:30-08:45 | Registration and welcoming coffee | |
| 08:45-09:00 | Opening | Université de Montpellier  Region Occitanie  Patrick Caron (MAK’IT, University of  Montpellier)  Charlotte Boulle (ExposUM) |
| 09:00-09:20 | Introduction | Scientiﬁc Committee: Ramia Al Bakain, Patrick Allard, Filomena Silva |
| 09:20-10:00 | Keynote lecture: Restore the  health of our water | Eric Servat - ICIREWARD (International Center for Interdisciplinary Research on Water Systems Dynamics) |
| 10:00-10:20 | Coﬀee break | |
| **10:20-12:30** | **Session 1: Plastics in our waters: concerns and future-facing**  **solutions** | |
| 10:20-10:30 | Introduction | Filomena Silva |
| 10:30-11:00 | Plastics problematic in the Mediterranean Sea | Elodie Solal (Beyond Plastic Med (BeMed), Monaco) |
| 11:00-11:20 | Micro/nanoplastics: their toxicity in marine organisms and innovative solutions | Miguel Oliveira (CESAM, Portugal) |
| 11:20-11:40 | Biocatalytic membranes for micro/nano plastic degradation within wastewater eﬄuents | Jonas Gurauskis (ARAID, Spain) |

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| 11:40-12:20 | Round Table: Towards a more sustainable plastic world: natural recyclability and technical recyclability to reduce plastic pollution | Lucille Chatellard (UMR IATE / Université de Montpellier, France) |
|  |  | Nathalie Gontard (UMR IATE / Université de Montpellier, France) |
|  |  | Cristina Nerín (University of Zaragoza, Spain) |
|  |  | Vincent Colard (CITEO, France) |
|  |  | François Vasquez (Montpellier Méditerranée Métropole, France) |
|  |  | Agnès Langevine (Conseil Régional Occitanie, TBC) |
| 12:20-12:30 | Session 1 wrap-up – Filomena Silva | |
| 12:30-14:00 | Lunch break | |
| **14:00-16:30** | **Session 2: Water scarcity management: sustainable approach and pilot projects** | |
| 14:00-14:10  14:10-15:15  15:15-16:20 | Panel#1  Panel#2 | **Mouïn Hamzé**, Scientific Advisor of CIHEAM Bari, Italy Moderator  **Introductory Statement; Water and Climate Change: Challenges for the Mediterranean Agricultural and Food Systems.**  **Water Management: Scarcity, Pollution, and Impact on Climate Change**   1. **Patrick Lachassagne**, HydroSciences Montpellier, Univ; Montpellier, CNRS, IRD, IMT Mines Alès, Montpellier.   *‘****’Water resources scarcity due to global change, Challenges and solutions’’***   1. **Elena Gomez**, HydroSciences Montpellier (Univ. of Montpellier, CNRS, IRD).   ***‘’Chemical diversity and the role of analytical capabilities in characterizing water contamination’’***   1. **Geoffroy Duporte**, HydroSciences Montpellier (Univ.  Montpellier, CNRS, IRD).   ***‘’ Evaluation of emerging contaminant removal processes during artificial recharge through a reactive barrier: from laboratory experiments to field application’’.***   1. **Valentina Mereu**, [Institute for Climate Resilience](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.cmcc.it%2Fit%2Fresearch%2Fresearch-institutes%2Finstitute-for-climate-resilience-icr&data=05%7C02%7CR.Bakain%40ju.edu.jo%7C4202d5ec39fc4483e1a808dc3a164826%7C05405dba373c4e20a30e3e6fcf507cfe%7C0%7C0%7C638449114899995476%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=1cgH8zDWuLcavhNF8AuxVvrHrz4NIyyGOPZTM8BetDk%3D&reserved=0), [Impacts on Agriculture, Forests and Ecosystem Services Division](https://eur01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.cmcc.it%2Fit%2Fdivisions%2Fiafes&data=05%7C02%7CR.Bakain%40ju.edu.jo%7C4202d5ec39fc4483e1a808dc3a164826%7C05405dba373c4e20a30e3e6fcf507cfe%7C0%7C0%7C638449114900005778%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=bTh%2BqG6q89YRIzXB82XnFG7XfiH75nLHX9RjktTv1TQ%3D&reserved=0) of the Euro-Mediterranean Center on Climate Change (CMCC) Foundation, Italy.   ***‘’Irrigation needs and water management in the context of climate change’’***  **DISCUSSION**  **Research, Innovation and Geopolitical Chalenges of Water in the Mediterranean Region**   1. **Giuseppe Provenzano**, Manager Higher Education and Research, Union for the Mediterranean (UFM).   ***‘Research and innovation to face challenges on Climate Change and its impact in the food system of the Mediterranean region’***   1. **Pierre Blanc**, Professor of Geopolitics, Sciences po Bordeaux and Bordeaux sciences agro, Researcher at LAM (CNRS/Sciences po Bordeaux).   **‘*Water Scarcity and climate change: geopolitics and politics issues'***   1. **Fethi Laachal**, Georesources Laboratory, Water Research and Technology Centre, Tunisia.   *‘****’Adapting treated wastewater reuse face to global and climate changes in water scarcity regions: experience of groundwater artificial recharge and irrigation in Tunisia’’.***   1. **Nassim Ait Mouheb**, INRAE - UMR G-EAU.   ***Water Reuse in Algerian Oasis Region: Institutional Management Bottlenecks and Demonstration of Operational Feasibility***.  **DISCUSSION** |
| 16:20-16:30 | Session 2 wrap-up - Ramia Al Bakain | |
| 16:30-17:30 | Plastic-free cocktail | |
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| **Day 2 – 24th April** | | |
| 8:30-9:00 |  | |
| 9:00-12:00 | Session 3: Our future with “forever” contaminants | |
| 9:00-9:10 | Session intro | Patrick Allard |
| 9:10-09:50 | Overview and update on PFAS  chemicals and their toxicity | Sue Fenton (Center for Human Health and the Environment (CHHE) - North Carolina State University, USA) |
| 09:50-10:30 | Prevalence of PFAS in the ecosystem | Mathieu Ben Braham (Generations Futures) |
| 10:30-11:00 | Coffee break |  |
| 11:00-11:40 | PFAS in Europe, water, and  regulation | Jelena Prtorić (Troubled Waters Project) |
| 11:40-11:50 | A contaminated future? The concerns of the environment and the epigenome. | Giacomo Cavalli (Institut de génétique humaine – CNRS / Université de Montpellier) |
| 11:50-12:00 | General discussion and session wrap-up – Patrick Allard | |
| 12:00-12:30 | Take home messages and  conference closing | Scientiﬁc committee and Patrick Caron |

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| **Day 2 – 24th April workshop** | | |
| 14:00-17:00 | Drafting of white paper (specific topics to be included, structure of the paper, deciding on set of recommendations) | Discretional participation |