

## AquaticPollutants Final Conference: For a healthy aquatic environment

**Venue:** DECHEMA Building, Theodor-Heuss-Allee 25, 60486 Frankfurt am Main, Germany  
**Date:** Tuesday 22 October – Wednesday 23 October 2024

**Registration:** <https://dechema.de/en/AquaticPollutants.html>

**Tuesday, 22 October 2024**

09:30	<b>Registration</b>
10:00	<b>Welcome and Opening</b> (Dr. Miguel-Angel Gilarranz, WaterJPI; Dr. Thorsten Kiefer, JPI Oceans; Dr. Giulio Pattanaro, REA)
10:20	<b>Administrative Requirements</b> (Dr. Silvia Lorrio, AEI, Spain)
10:30	<b>TransNet: AquaticPollutants Transfer Project</b> (Katie Carter, DECHEMA, Germany)
	<b>Theme 1: Measuring</b>
10:50	<b>SPARE-SEA: Environmental Spread and Persistence of Antibiotic Resistances in aquatic Systems Exposed to oyster Aquaculture</b> (Dr. Mathias Wegner, Alfred-Wegener-Institut, Germany)
11:10	<b>MAPMAR: Marine Plasmids Driving the Spread of Antibiotic Resistances</b> (Prof. Fernando de la Cruz, University of Cantabria, Spain)
11:30	<b>ARENA: Antibiotic Resistance and Pathogenic Signature in Marine and Freshwater Aquaculture Systems</b> (Dr. Gian Marco Luna, National Research Council, Italy)
11:50	<b>Lunch &amp; Poster</b>
	<b>Theme 1: Measuring (Continuation)</b>
13:00	<b>PAIRWISE: Dispersal of antibiotic resistance and antibiotics in water ecosystems and influence on livestock and aquatic wildlife</b> (Karin Persson Walker, National Veterinary Institute, Sweden)
13:20	<b>SARA: Surveillance of Emerging Pathogens and Antibiotic Resistances in Aquatic Ecosystems</b> (Prof. Andreas Tiehm, DVGW Technologiezentrum Wasser, Germany)
13:40	<b>PARRTAE: Probing Antibiotic Residues and Resistance transfer in Aquatic Environments</b> (Dr. Asa Sjöling, Karolinska Institute, Sweden)
14:00	<b>FOREWARN: Development of a smart forewarning system to assess the occurrence, fate and behaviour of contaminants of emerging concern and pathogens in waters</b> (Dr. Esteban Abad, Spanish National Research Council, Spain)
14:20	<b>Coffee &amp; Poster</b>
	<b>Theme 2: Evaluating</b>
15:00	<b>AIHABS: Artificial Intelligence-powered Forecast for Harmful Algal Blooms</b> (Dr. Ahmed Nasr, TU Dublin, Ireland)
15:20	<b>CONTACT: Consequences of antimicrobials and antiparasitics administration in fish farming for aquatic ecosystems</b> (Prof. Michael Schloter, Helmholtz Zentrum, Germany)

15:40 **PHARMASEA:** Presence, behavior and risk assessment of pharmaceuticals in marine ecosystems  
(**Prof. Francesco Regoli**, Polytechnic University of Marche, Italy)

16:00 **BIOCIDE:** Antibacterial biocides in the water cycle – an integrated approach to assess and manage risks for antibiotic resistance development  
(**Prof. Joakim Larsson**, University of Gothenburg, Sweden)

16:20 **Science Communication Innovation Challenge Winner**  
(**Naomi Timmer**, H2O-People, Netherlands)

16:35 **Panel Discussion: Current Political Context & Future Needs** (ca. 45 min)  
(Mod: **Dr. Thomas Track**, DECHEMA, Germany)

18:00 **Networking Buffet & Poster**

## Wednesday, 23 October 2024

08:30 **Registration**

### Theme 3: Taking Actions

09:00 **GreenWaterTech:** Green Ultrafiltration Water Cleaning Technologies  
(**Prof. Lars Österlund**, Uppsala University, Sweden)

09:20 **NanoTheC-Aba:** CECs and AMR bacteria pre-concentration by ultra-nano filtration and Abatement by ThermoCatalytic Nanopowders implementing circular economy solution  
(**Prof. Giuliana Magnacca**, Torino University, Italy)

09:40 **AMROCE:** Nanoenabled strategies to reduce the presence of contaminants of emergent concern in aquatic environments  
(**Prof. Tzanko Tzanov**, Universitat Politecnica de Catalunya, Spain)

10:00 **SERPIC:** Sustainable Electrochemical Reduction of contaminants of emerging concern and Pathogens in WWTP effluent for Irrigation of Crops  
(**Dr. Jan Gäbler**, Fraunhofer, Germany)

10:20 **Coffee & Poster**

### Theme 3: Taking Actions (Continuation)

11:00 **PRESAGE:** Potential of decentralized wastewater treatment for preventing the spread of antibiotic resistance, organic micropollutants, pathogens and viruses  
(**Prof. Francisco Omil**, University of Santiago de Compostela, Spain)

11:20 **NATURE:** Nature-based solutions to reduce antibiotics, pathogens and antimicrobial resistance in aquatic ecosystems  
(**Dr. Victor Matamoros**, Spanish National Research Council, Spain)

11:40 **REWA:** Reduction and assessment of antimicrobial resistance and emerging pollutants in natural-based water treatment systems  
(**Prof. Kristian Koefoed Brandt**, University of Copenhagen, Denmark)

12:00 **Future Opportunities**  
(**Dr. Giulio Pattanaro**, REA; **Dr. Thorsten Kiefer**, JPI Oceans; **Ariane Blum**, Water4All)

12:30 **Panel Discussion: Bridging Perspectives on Key Themes** (ca. 45 min)  
(Mod: **Dr. Thomas Track**, DECHEMA, Germany)

13:15 **Closure of the Meeting**

13:30 **Snacks**