UNIVERSIDAD POLITÉCNICA DE MADRID

ADVANCES IN DISINFECTION PRACTICES FOR SAFE WATER REUSE

Valorisation of non-conventional water resources in urban and peri-urban context
RESET project

MAY 12, 2026
9:00 – 13:30 PM
ROOM C – ETSI INDUSTRIALES

Scan the QR code to register for in-person attendance (limited spots available) or use this link

Water4All
Water security for the planet

RESET PROJECT (PCI2025-167097-2) FUNDED BY MICIU/AEI /10.13039/501100011033 AND CO-FUNDED BY THE EUROPEAN UNION.

SEMINAR PROGRAMME

ADVANCES IN DISINFECTION PRACTICES FOR SAFE WATER REUSE

09.00h Opening. RESET project and objectives. Jorge J. Rodríguez-Chueca

Block 1. Scientific basis and disinfection challenges

09.10 h Beyond *E. coli*: Microbiological risks and implications for disinfection strategies in non-conventional water systems
. *Natalia Pichel (Universidad Rey Juan Carlos)*

09.30 h Intensified UVC-based disinfection of wastewater: Bacterial death and its implications for environmental discharge vs. water reuse. *Stefanos Giannakis (Universidad Politécnica de Madrid)*

Block 2. Industrial, utility, and sectoral perspectives on disinfection

09.50 h 10 Facts about Reuse. *Belén Gutiérrez (GS INIMA/AEDyR)*

10.10 h From wastewater to water on demand: advanced reuse solutions. *Víctor Monsalvo (Aqualia)*

10.30 h Water reuse in Madrid region. Canal de Isabel II strategy. *Jaime Flores (Canal de Isabel II)*

Coffee break

Block 3. Round table and discussion

11.30 h From science to implementation: bridging gaps. Moderated round table with all speakers

Block 4. Co-design session and strategic discussion

12.15 h Interactive session with the audience: Identifying priorities and future directions

Block 5. Visit to the research laboratory and pilot plants

13.00 h Demonstration of disinfection systems (lab and pilot scale), monitoring and validation approaches, and discussion of implementation in controlled environments.

INFORMATION AND INQUIRIES:
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