

AGENDA Intermediate Showcase REWATERGY Workshop

14th to 16th of December 2020 (Agenda in CET).
Hosted by Dr Laura Torrente, University of Cambridge (Cambridge, UK).
Platform: Microsoft Teams. [Day 1 Link](#) / [Day 2 Link](#) / [Day 3 Link](#)

Day 1 (14th December) – WP4 - Energy Recovery from Wastewater: Hydrogen Production

- 12:00 – 12:10** **Welcome & checking** – Adriana Rioja, Marina Maia and Rubén Asiain.
- 12:10 – 12:40** **Why use adsorption for water treatment** – Dr Guilherme Luiz Dotto, Federal University of Santa Maria (Rio Grande do Sul, Brazil).
- 12:40 – 13:10** **Evidence Based Regulation & Management of NI's Aquatic Environment**– Dr Trudy McMurray, Environment Agency (Northern Ireland, UK).
- 13:10 – 14:10** **Lunch break**
- 14:10 – 14:40** **Photoelectrochemical hydrogen production from nitrogen compounds in wastewater** – ESR1 – Adriana Rioja, (University of Ulster / Delft-IMP)
- 14:40 – 15:10** **Hydrogen Production and Nutrient Extraction from Wastewater** – ESR2 – Marina Maia, (University of Cambridge / Delft-IMP)
- 15:10 – 15:40** **Sustainable Removal of Nitrogen from Wastewater** – ESR3 – Ruben Asiain, (University of Cambridge / Aqualia)
- 15:40** **Closing remarks and end of the session**

Day 2 (15th December) – WP6 Resilient Safe Drinking Water: Household UV-C Device

- 15:00 – 15:10** **Welcome & checking** – Adithya Pai Uppinakudru, Raffaella Pizzichetti and Shabila Perveen.
- 15:10 – 15:30** **Microplastic biofilms, a hotspot for antibiotic resistance elements?** – ESR 6 - Shabila Perveen, (Universidad Rey Juan Carlos / Prophotonix)
- 15:30 – 16:00** **Water treatment technologies focusing on emerging contaminants** – Dr Judy Lee, University of Surrey (Guildford, UK).
- 16:00 – 16:20** **Membranes performance assessment for MPs removal** – ESR 8 – Raffaella Pizzichetti, (Universidad Rey Juan Carlos / Prophotonix)
- 16:20 – 16:40** **Coffee break**
- 16:40 – 17:00** **UV-C LED water disinfection** – ESR 7 – Adithya Pai Uppinakudru, (Prophotonix / Universidad Rey Juan Carlos)
- 17:00 – 17:30** **UV disinfection technologies** – Dr Sara Beck, University of Colorado, Linden Group (Colorado, USA)
- 17:30 – 18:00** **The industrial picture of UV-C LED** – Mr Jim Cosman, independent business consultant (Ontario, Canada).
- 18:00 – 18:15** **Closing remarks and end of the session**

REWATERGY project has received funding from the H2020 program under the GA812574 - H2020-MSCA-ITN-2018

Day 3 (16th December) – WP5 – Energy efficient water treatment: Photoelectrodisinfection

- 09:00 – 09:10** **Welcome & checking** –Salem Alkharabsheh and Conor Redick
- 09:10 – 09:40** **Experience of APRIA Systems in the design and manufacture of photochemical reactors** – Dr Sara Domínguez Suárez, Chief Commercial Officer at APRIA Systems (Cantabria, Spain)
- 09:40 – 10:10** **Design of Novel Membranes for Desalination by Membrane Distillation** – Dr Mohammed Qtaishat, Chief Technology Officer at Saudi Membrane Distillation Desalination (SMDD) Company Ltd. and Associate Professor in the University of Jordan
- 10:10 – 10:30** **Coffee break**
- 10:30 – 11:00** **Development of a novel and improved UVA-photoelectrochemical reactor for wastewater treatment** – ESR 4 – Salem Alkharabsheh, (University of Ulster / Aqualia)
- 11:30 – 11:30** **UV LED prototype for the photoelectrocatalytic generation of oxidising species for water treatment** – ESR 5 – Conor Reddick, (ProPhotonix / Universidad Rey Juan Carlos)
- 11:30** **Closing remarks and end of the session**

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