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## WATER INNOVATION: BRIDGING GAPS, CREATING OPPORTUNITIES

### 2017 CONFERENCE AGENDA

*Subject to change.*

#### **Wednesday, September 27, 2017**

- 09:00 – 10:30 Networking breakfast
- 10:30 – 10:45 Opening of the 2017 EIP Water conference  
- Deputy Mayor Rui Loza, City of Porto
- 10:45 – 11:10 **Water innovation: Bridging gaps, creating opportunities**  
- João Pedro Matos Fernandes, Minister of the Environment, Portugal
- 11:10 – 11:50 **The circular economy – How water, food, energy, carbon, nutrients and other valuable resources are being connected with innovation**  
Chair: Ricardo Costa, National TV Presenter and Journalist, Impresa  
- Carlos Borrego, Director, Department of Environment and Planning, University of Aveiro  
- João Nuno Mendes, Chair, Águas de Portugal Group  
- Diane d'Arras, President, International Water Association (IWA)  
- Noam Komy, VP of Strategy and Corporate Development, Miya Group
- 11:50 – 13:00 **Water and the circular economy, part 1 – industry**  
How water is crucial to performance and what industries do to safeguard resource number one
- The market for industrial water infrastructure and a closer look at oil and gas  
- Jorge J. Malfeito, R&D Director, Acciona Agua
- Mining water: pollutant or resource?  
- Mona Arnold, VTT Technical Research Centre of Finland
- Water reuse and energy savings in the textile industry. How the ECWRTI project is using electro coagulation and membranes to reduce mill water consumption by 80%  
- Petr Janak, Managing Director, inoTEX
- Water use and management in Port wine production  
- Nick Heath, Member of the Board, The Fladgate Partnership
- The hottest water innovations being used in industry  
- Albert Jansen, Wetsus / EIP Water "Indure" Action Group
- How digitalisation in industrial water is changing business models  
- Arjan Boogaards, Nalco Water
- Panel Q&A  
- Nick Heath, Member of the Board, The Fladgate Partnership  
- Jorge J. Malfeito, R&D Director, Acciona Agua  
- Arjan Boogaards, General Manager for Europe, Middle East & Africa, Nalco Water
- 13:00 – 14:15 Networking lunch, exhibition, TechTalks, WaterMatch, The Hub and SPLASH
- 14.15 – 15:15 **Innovations for implementing EU water legislation**  
Panel: Key challenges to innovation when implementing European water directives  
Chair: José Saldanha Matos, President, European Water Association  
- Joanna Drake, Directorate-General of the Environment, European Commission  
- Pedro Cunha Serra, former Portuguese Water Director and former Chair of the national regulator and Águas de Portugal, TPF Planege Cenor

- Robert Schröder, Cabinet Member, Research, Science and Innovation, European Commission  
- Francisco Nunes Correia, Professor, Environment and Water, Instituto Superior Técnico (IST), Lisbon

From wastewater treatment plants to resource facilities: WATER CIRCLE – 2017 winner of the EU Innovation Deal

- Aurora Seco, Professor of Chemical Engineering, University of Valencia / "Water Circle" EIP Water Action Group

Wastewater – source of bioenergy and clean water: The All-Gas and Incover demonstration projects

- Eva Martinez, Head of Smart Services, FCC Aqualia

Green, nature-based water infrastructure: The EIP Water "NatureWAT" Action Group and the AquaNES project.

- Joan Garcia, Polytechnic University of Catalonia / "NatureWat" EIP Water Action Group

- Rita Hochstrat, Research Associate, FHNW University of Applied Sciences and Arts Northwestern Switzerland

Digital solutions for water policies from the ICT4Water cluster

- Aude Glénisson, Content & Technology, Directorate-General Communications Networks, European Commission

15:15 – 16:00 **Societal engagement as a driver for innovation and governance**

An experiment in collective awareness

Chair: Maria João Freitas, Research Officer, LNEC (Portuguese National Laboratory for Civil Engineering)

- Frederico Fernandes, President, Águas do Porto

- Uta Wehn, Associate Professor of Water Innovation Studies, IHE Delft Institute for Water Education

- Piers Clark, CEO, Isle Group Ltd

How modern utilities are engaging with their customers

- Frederico Fernandes, President, Águas do Porto

How serious gaming and social media increases citizen engagement

- Gabriel Anzaldi, Director Smart Systems, Eurecat

What we have learnt from the experiment

16:00 – 17:00 Networking break, exhibition, TechTalks, WaterMatch, The Hub and SPLASH

17:00 – 18:00 **Developing water innovation with R&D centres, innovation hubs and accelerators**

Chair: Jaime Melo Baptista, Principal Research Officer, LNEC (Portuguese National Laboratory for Civil Engineering)

The pains of being an innovator: Or; the good, the bad and the ugly of water innovation

- Piers Clark, CEO, Isle Group Ltd

The Water Campus in Leeuwarden: Hot-bed of innovation and commercialisation

- Cees Buisman, Scientific Director, Wetsus

Water innovation hubs and testing facilities around the world

- Tom Baur, EIP Water secretariat

The Porto Innovation Hub: Fostering innovation to bridge gaps and create opportunities

- Filipe Araujo, City Councillor for Innovation and Environment, Porto

Uniting universities, research labs, local government and the private sector in the MAR network in Italy

- Rudy Rossetto, SSSUP, Italy / "MAR" EIP Water Action Group

How the Lund water innovation accelerator (WIN Water) prepares innovations for the harshest of marketplaces

- Maria Sätterström Lantz, Manager WIN, Ideon Open AB

Making open innovation a reality with SWITCH-ON

- Esa Falkenroth, Senior Information Architect, Swedish Meteorological and Hydrological Institute

18:00 – 18:10 Summary of day 1

18:10 – 18:30 **Award ceremony for the prestigious Splash Innovation Prize**

- André Ferreira, Disruptive Innovation Changemaker

19:30 Water Innovation Dinner (ticketed)

**Thursday, September 28, 2017**

**09:00 – 09:15 What future water leaders are working on – report from the Water Innovation Lab**

- Karen Kun, Co-founder, Waterlution
- Amrita Gautam, Future Water Leader
- Wildemar Pereira, Future Water Leader

**09:15 – 10:30 Water and the circular economy, part 2 – agriculture**

European Commission Task Force on Water: identifying synergies between the European Innovation Partnerships on Agriculture and Water

- Claudia-Silviana Mureşan, Directorate-General Agriculture and Rural Development, European Commission
- Karen Dalgaard Sanning, Policy Officer, Directorate-General of the Environment

Towards EU guidance for water reuse in agriculture

- Bernd Gawlik, Scientific Project Manager, Joint Research Centre, European Commission

Novel water supply solutions for agriculture: Managed aquifer recharge and subsurface storage

- João Paulo Lobo Ferreira, Principal Research Officer, LNEC (Portuguese National Laboratory for Civil Engineering) / EIP Water "MARtoMARKet" Action Group

Earth observation and remote sensing techniques that improve the equitable use of water

- Ernesto Lopez-Baeza, Associate Professor of Applied Physics, University of Valencia / "Resewam-O" EIP Water Action Group

Precision irrigation that reduces energy consumption

- Adriano Battilani, Canale Emiliano Romagnolo (CER) and Valentin Opfermann, Copa-Cogeca / "WIRE" EIP Water Action Group
- Luis Narvarte, Polytechnic University of Madrid / "PVAIZEC" EIP Water Action Group

A paradigm shift in Brittany: How a change in agricultural practice has helped implement EU water policies

- Aude Witten, Regional Council of Brittany

Curving the line to accelerated resource recovery: the Life Memory, INCOVER and RUN4LIFE projects, and a closer look at resource recovery factories

- José Vázquez, Head of Quality, R&D, FCC Aqualia

Panel Q&A

- Claudia Silviana Mureşan, Directorate-General Agriculture and Rural Development, European Commission
- Karen Dalgaard Sanning, Policy Officer, Directorate-General of the Environment
- José Vázquez, Head of Quality, R&D, FCC Aqualia

**10:30 – 11:15 Networking break, exhibition, TechTalks, WaterMatch, The Hub and Water Innovation Lab**

**11:15 – 12:10 Financing innovation in the water sector**

Chair: Gaétane Suzenet, Global Impact Partners

- Julie Segal, Future Water Leader
- João Pedro Castro, Future Water Leader

The top 5 ways to make the water sector attractive to investors

How knowledge creation in water utilities can boost innovation in the sector

- João Faria Feliciano, CEO AGS

New PPP models to develop, maintain, retrofit and finance resilient water infrastructure.

- Pedro Perdigão, Chief Operations Officer, Indaqua

Regulation and water pricing to stimulate efficiency in water services: the role of the regulator

- Paulo Marcelo, The Water and Waste Services Regulation Authority of Portugal (ERSAR)

Please disrupt! Open for business as un-usual. How to make a success of start-ups.

- Gaétane Suzenet, Global Impact Partners

Novel ways of financing innovation. An annotated catalogue

- António Câmara, serial entrepreneur and founder of YGroup, The Inventors and Aromni

12:10 – 13:30 **The water business: Markets, opportunities and employment**

The value of water

- *Tomas Michel, President, Water Supply and Sanitation Technology Platform (WssTP)*

Connecting market needs to innovations

- *Will Maize, Senior Research Analyst, Bluefield Research*

**Featured markets for water innovations –**

**China.**

*Chair: Future Water Leader*

- *Jun Nie, O&M Director, Beijing Enterprises Water Group*

- *Ana Mendes, Researcher, University of Évora/China-Europe Water Platform*

- *Cheng Zhong, Future Water Leader*

- *Jesse Skwaruk, Future Water Leader*

**India.**

*Chair: Future Water Leader*

- *Hans Stielstra, Deputy Head of the Water Unit, Directorate-General of the Environment, European Commission*

- *Satish Vegi, Future Water Leader*

- *Sanjay Kumar, Future Water Leader*

**Portuguese-speaking countries.**

*Chair: Alexandra Serra, President, Portuguese Water Partnership*

- *Manuel Alvarinho, President, Water Regulatory Council (Mozambique), Aquashare Association*

- *Angélica Azevedo, Future Water Leader*

- *Carolina Nunes, Future Water Leader*

13:30 – 14:45 Networking lunch, exhibition, TechTalks, WaterMatch, The Hub and Water Innovation Lab

14:45 – 16:20 **Water and the circular economy, part 3 – cities and water**

*Chair: Rafaela Matos, LNEC (Portuguese National Laboratory for Civil Engineering)*

A circular vision of a Smart Water Service

- *Frank Rogalla, Head of Innovation, FCC Aqualia*

Nature-based solutions in the green city of Lisbon

- *Duarte Mata, Advisor to Environment & Energy Councillor, City of Lisbon*

How EMASESA is creating a circular economy in the urban water cycle in Seville

- *Joaquín Buendía, Emasesa*

Urban water governance capacity framework

- *Stef Koop, Researcher, KWR Watercycle Research Institute*

City Blueprints and Porto in perspective

- *Kees van Leeuwen, Principal Scientist, KWR Watercycle Research Institute / “CityBlueprint” EIP Water Action Group*

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The Urban Water Atlas for Europe

- *Bernd Gawlik, Scientific Project Manager, Joint Research Centre, European Commission*

Strengthening stakeholder capacity to participate in multi-level, multi-stakeholder governance models

- *Richard Elelman, Eurecat, Netwerc H2O*

Smart water – a key building block for the smart city

- *Diane d’Arras, VP Global Professional Relations, Suez Environnement*

**The good old sewage works is now your community resource factory.**

Take Lille, for example

- *Eric Nesme, Key Solutions Manager, Veolia*

And how about generating energy from it, too? The Powerstep project

- *Christian Loderer, Kompetenzzentrum Wasser Berlin*

And, closing the loop, harvesting with anaerobic membranes and accelerated resource recover techniques

- *Aurora Seco, “Water Circle” EIP Water Action Group / Kees Roest, “ARREAU” EIP Water Action Group*

Panel Q&A

- *Rafaela Matos, LNEC (Portuguese National Laboratory for Civil Engineering)*

- *Eric Nesme, Key Solutions Manager, Veolia*

- *Diane d’Arras, VP Global Professional Relations, Suez Environnement*

- *Frank Rogalla, Head of Innovation, FCC Aqualia*

**16:20 – 16:30** Conference summary and close

- *Frederico Fernandes, President, Águas do Porto*

- *Hans Stielstra, Deputy Head of the Water Unit, Directorate-General of the Environment, European Commission*

***Friday, September 29, 2017***

Morning and/or afternoon – up to two choices possible per person.

*Guided site visits to a choice of five technical facilities or the Porto historic city centre (parallel to the Mayors & Water Conference and Water & People programmes).*

See: <http://portowaterinnovationweek.eu/eip/programme/site-visits>