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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*

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- *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>