

EU Water Innovation Conference 2019 - December 11-12, 2019, Zaragoza  
Side meeting - December 11, 10:00 - 18:00

**Water and the Circular Economy in the Industry  
AGENDA**

**9:30 – 10:00: welcome and registration**

**Hydro-efficiency challenges in the pulp and paper industry**

Part 1

10:00 – 10:10 Introduction - *Eduardo de Almeida* (Cognit)

10:10 – 10:40 Evolution of water consumption on the paper sector in Spain (Spanish).  
*Carmen Sanchez-Carpintero* (ASPAPPEL)

10:40 – 11:10 Optimising water consumption using Six Sigma (Spanish) - *Juan Andrés García* (ICT Ibérica).

**11:10 – 11:40 Coffee Break - Networking**

11:40 – 12:10 Case study of water reutilisation on a paper mill. (Spanish) - *Rosa Francés*  
(Hinojosa Paper).

12:10 – 12:40 Effluent reuse for fresh water reduction in the Pulp and Paper Industry (results  
from the SpotView project - *Stéphanie Prasse, Patrick Huber* (CTP)

**13:00 – 14:00: Lunch Break (offered by the hosting city)**

**Sustainable Process and Optimized Technologies for Industrially Efficient Water  
Usage (SPOTVIEW H2020-SPIRE project)**

Part 2

14:00 – Introduction - *Eric Fourest* (CTP)

14:10 - Efficient water use in steel industry by innovative and sustainable solutions – (*Martin  
Hubrich BFI, Elena Piedra Fernandez, Beatriz Padilla ARCELORMITTAL Innovacion*)

14:30 - SPOTVIEW - LCA modelling for innovative water optimization strategies applied to  
process industry – *Elorri Igos* (LIST)

14:50 – SPOTVIEW - Main technology breakthrough for water management and exploitation  
strategies – *Hank Vleeming* (PDC)

15:10 – INSPIREWATER – Innovative Solutions in the Process Industry for Resource  
Efficient Water management – *Marie-Christine Napier* (IMCG)

15:30 – 16:00 Coffee Break - *Networking*

**Recycling of industrial water: challenges and opportunities in the context of water reuse - management of concentrates, desalination and resource recovery**

16:00 – Increasing Water Availability by Water Reuse and Desalination - BMBF Funding Measure WavE (*Christina Jungfer/DECHEMA*)

16:20 - Efficient operation of cooling water circuits by integrated desalination at the example of the steel industry (*Martin Hubrich/BFI*)

16:40 - Resource recovery from concentrates arising from industrial water reuse (*Dennis Becker/DECHEMA*)

17:00 - End of the meeting

## Water and the Circular Economy in the Industry

Given the growing demand for water in industry and the uncertainty about the availability of water due to climate change, the process industry is forced to manage the water cycle sustainably. The meeting will focus on the industrial challenges of water efficiency and innovative strategies to resilience to the risk of water scarcity. Case studies and exploitable results achieved during EU and national projects will be presented, with a particular focus on the pulp and paper and steel sectors. Environmental impact assessments and exploitation strategies for the use of water reuse technologies will be discussed. The workshop will also focus on concentrate management, desalination and resource recovery. Along with a broad overview of the activities within the WAVE funding measure "Wave - Sustainable Technologies and Concepts for Increasing Water Availability through Water Reuse and Desalination" (<https://www.bmbf-wave.de/en>) funded by the German Federal Ministry of Education and Research (BMBF), the challenges and opportunities for industry and innovative solutions for various sectors will be presented and discussed.

If you are interested in joining the meeting, please contact:

COGNIT: [Paola Del Chicca Romano](#)

CTP: [Ioana Stancu](#)

DECHEMA: [Christina Jungfer](#)

