ICT for water
Annual cluster meeting
04 February 2014
Brussels; avenue de Beaulieu 25; room 0/S9
Agenda

Morning session (1)
H 2020 SC5/related initiatives/ DG CNECT priorities

10:00 -10h05	Welcome	Grazyna Wojcieszko
10:05-10:30	INSPIRE/ WISE /EIP on Water	Aude Zimmerman Robert Schroder
10:30-11:00	Roadmap →H 2020 WP 2014-2015	Marton Haraszti

Morning session (2)
Exchanges of experiences/Exchanged of results/ Emerging Water Issues (Current and FutureTrends)

11:00-11:50	EFFINET/ ICeWater/ iWIDGET/ WatERP/ UrbanWater	

Break

12:00- 12:55	DAIAD/ ISS-EWATUS/ SmartH2O/ WATERNOMICS/ WISDOM	

Afternoon session (1) Dissemination/exploitation plans/results

14:30- 14:45	Use of Digital Agenda Community for ICT Water -INFOPOINT - EC	
14:45- 15:45	EFFINET/ ICeWater/ iWIDGET/ WatERP/ UrbanWater	
15:45- 16:00	EIP on water participation	ALL

Break

Afternoon session (2) Discussion

16:15-16:45	Common dissemination event/ Use of Wikipedia ICT Water – projects driven	
16:45-17:30	Discussion/Conclusions	

Rapporteur **Mr Maciej Nikodem**

Related water initiatives

- **INSPIRE Directive**
  http://inspire.jrc.ec.europa.eu/index.cfm
- **WISE**
  http://water.europa.eu/info
- **EIP on Water**
  http://ec.europa.eu/environment/water/innovationpartnership/
- **Smart Cities and Communities – European Innovation Partnership**
  http://ec.europa.eu/eip/smartcities/
- **A Roadmap for ICT for water (January 2013)**
  http://ec.europa.eu/digital-agenda/en/news/ict-water-resources-management-experts-consultation-31012013

Horizont 2020 - work programmes 2014-2015

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-climate_en.pdf

Invited:

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ICeWater - to develop infrastructure for smart metering and real-time monitoring of water infrastructures, with the aim of lowering consumption during peak periods, detecting and localising leakages in real-time and optimising the water-energy nexus.
Validation : Milan (IT) and Timisoara (RO).

iWIDGET - to make households more aware of their water consumption patterns and help utilities and ICT industry with the sharing of such information in order to improve their demand forecasting capacities, while also contributing to a sustainable partnership of ICT and water domain stakeholders.
Validation : Barcelos (PT) and Waterwise (Southern Water region UK)

EFFINET - to improve the efficiency of drinking water networks by managing better consumer behaviour via advanced metering, monitoring of user demand profiles, fault detection and predictive control techniques and integration of information stemming from various sources.
Validation: Barcelona (ES) and Lemesos (CY).

WatERP - to develop a web-based, open management platform to enable water supply distribution chains to be managed in a coordinated and customised way, based on open interfaces and standards. The aim is to improve coordination among water management actors and to foster behavioural change in order to reduce water and energy consumption.
Validation : Llobregat river basin (ES) and Leipzig water supply network (DE).

UrbanWater – to integrate advanced metering solutions, real-time communication of consumption patterns with predictive capability, adaptive pricing and customer empowerment tools.
Validation : urban setting in Scotland (UK) and Algarve (PT).

DAIAD - will focus on real-time knowledge of residential water consumption. The goal is to research and develop innovative low cost, inclusive technologies for real-time, high granularity water monitoring and knowledge extraction to incur behavioural changes, water demand strategies and water pricing. Validation : Athens (GR) and Brighton (UK)

ISS-EWATUS – will increase the awareness of water consumption via social media platform (smartphones, tablets) to reduce water consumption and will build a decision support system to reduce leaks. Coupling with adaptive pricing policy and reduction of peaks.
Validation : Skiatos (GR) ; Sosowiec (PL)

SmartH2O - aims at providing an ICT enabled platform to design, develop and implement better water demand management in collecting user behavioural data due to smart meters and an online social participation application (social game). Awareness campaigns and price signals are delivered through the same app to inform the users on how to save water and money.
Validation : Gordola (CH) and London (UK).

WATERNOMICS - will enable the introduction of Demand Response principles and open business models through an innovative human centric approach that uses personalized water data, water availability based pricing, and gamification of water usage statistics.
Validation: Thessaloniki (GR), Milano (IT) and Sochaczew (PL)

WISDOM – will increase user awareness, significant reduction of water consumption, peak-period reduction of water and energy distribution loads, improved resource efficiency and business operations of water utilities due to ICT, and contribute to the improvement of the environmental performance of buildings.
Validation : Cardiff (UK) and La Spezia (IT).