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ICT4Water

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ict4water DRIVES CIRCULAR ECONOMY
THE IMPACTS OF INNOVATION IN FP7/H2020 PROJECTS



Jerez June 2016



The vision:

to establish a thriving and interconnected **ICT for the Water Community** with the **main objective of promoting synergies and knowledge exchange among all actors involved in water sector.**

This vision is twofold:

- in one hand, contribute to advance in the **consolidation of an ICT for the Water Community** that will be better informed, defined and integrated than today;
- on the other hand, will help the **results and outcomes from current research projects improving their exploitation plans and increasing their dissemination potential.**

The target community will be mainly composed by different stakeholders including **Water Authorities, Water Operators, System Integrators, ICT for Water technologies professionals, Policy Makers, and the relevant industry at large.**



Background FP7/H2020: Funding on ICT and Water Management

2011-2012: CIP-ICT-PSP Thematic network

2012-2013: Five (5) Collaborative EU projects

2013-2014: Five (5) more Collaborative EU projects

2015: Five (5) Coordination and Support Actions (CSA)

2016: ...

Similar themes and targets: All targeting water authorities/utilities and end users

1st group: Emphasis (rather) on water authorities/utilities

2nd group: Emphasis (rather) on end users and their behavior

3rd group: Horizontal actions, dissemination

4rd group:...

Interdisciplinary approach

Partnerships between ICT equipment providers, Water Domains Experts, software companies and water authorities/utilities, and users



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EIP Water

Ctrl + SWAN

EIP Water Action Group
Pooling resources – Innovating water



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ICT for Smart Water Management EC perspective

Part of the H2020 Digital Perspective for Europe

- **Smart technologies:**

- To increase water efficiency
- To improve water management
- To manage water demand
- To reduce leakage
- To reduce energy for water utilities and households
- To Improve coordination among actors
- To advance in the Nexus concept (water-energy-Land)
- To cover agricultural, urban and industrial needs
- To increase end user awareness
- To affect end user behavioural change





- Development of the Roadmap “ *Emerging Topics and Technology Roadmap for Information and Communication Technologies for Water Management*” 2014/2015/2016
- Actions
 - Exchange of information- Common website-Contacts
 - **Special sessions in Conferences/Publications**
 - Common development of standards and standardisation
 - Common papers
 - Links with/participation in Water EIP relevant action groups
 - **Lots of synergies**



WIDEST

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WIDEST
H2020-Water4a-2014



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H2020-WATER-2014-one-stage

Topic: WATER-4a-2014 Dissemination and exploitation, ICT, knowledge, gaps, research needs, etc.

Scope issue: Nº 1 “Promote the dissemination and exploitation of EU funded activities, including ICT...”)

TYPE OF ACTION: CSA
(Coordination & Support Action)

PERIOD: 24 Months (02/2015-01/2017)

BUDGET: 1.022.030 €

COORDINATOR:

2 Research Centres
2 Water Associations
2 Universities





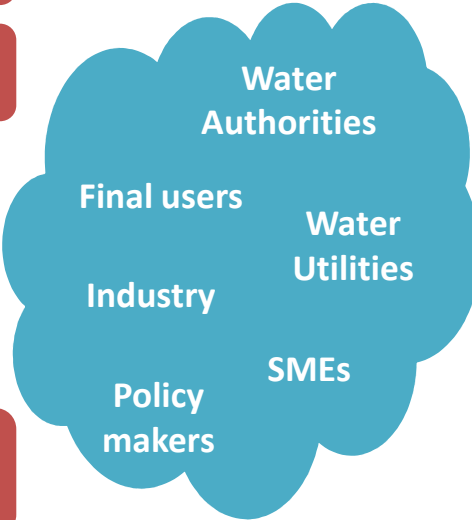
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Technology Portfolio



Smart Water Grids Roadmap

Semantic Interoperability Roadmap



Events, conferences, workshops, web lectures, seminars, MOOCs

Smart City Connection Roadmap

Products



RESULTS EU FUNDED ACTIVITIES

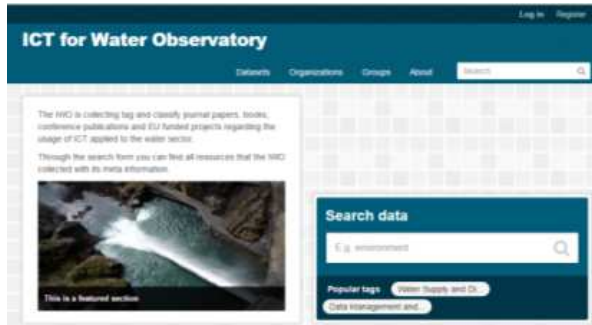
promote exploitation of relevant ICT-based tools and platforms and their integration for market, develop appropriate policy briefs, and foster knowledge



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<http://iwo.widest.eu>



Roadmaps Downloads

WIDEST ROADMAPS

- "Semantic Interoperability and Ontologies" topical roadmap (Available from July 2016)
- "Smart City Connection" topical roadmap (Available from July 2016)
- "Smart Water Grids" topical roadmap (Available from July 2016)



<http://www.widest.eu>



ICT4WATER Downloads

User requirements and market studies

- IWIDGE - Requirements and
- DAIDA - D1.3 - System Arch
- IceWater - 2.2.1 - Methodology, Design
- KINDRA - D1.1.1 - Requirements Analysis

Data Management Platform

Other Roadmaps

- Strategis Implementation Plan
- ICT4WATER Resources M Consultation 31/01/2013
- ICT4WATER Resources M consultation 04/02/2014
- IBM - Water



Technology Downloads

Software

- Menyanthes
- HyCA
- SIPAID - CAFCA - COWAMA - SONDEA - METRESA - SAED
- Aquology Technologys
- LanddisGyr Technologys
- Work Wise
- SIG OGC RADIAM
- ADMET

GroundWater Markup Language

- GroundWater Markup Language Index
- XSD Schema
- XML Examples

Devices

- Amphiro B1
- HyCA
- WiSense



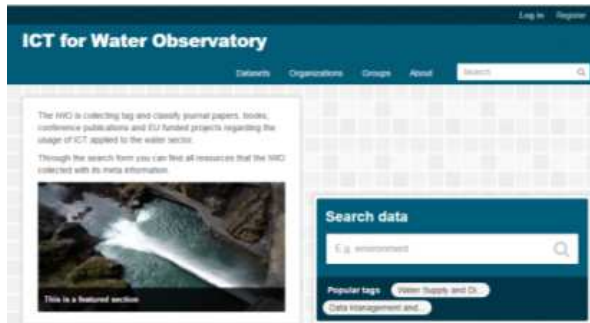
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THANK YOU FOR YOUR ATTENTION

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