



H2020 - Workprogramme 2014-2015

Objective SC5

Climate action, environment, resource efficiency and raw materials

DG CNECT priorities

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ICT for Water Info Day - Brussels, 12 February 2014

Disclaimer: The opinions in this presentation are those of the author and do not commit in any way the European Commission



Policy context

- Digital Agenda for Europe
<https://ec.europa.eu/digital-agenda/en/about-smart-cities>
- Smart Cities and Communities – European Innovation Partnership (July 2012)
<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>





Policy implementation

Next Steps in H2020

To develop a coordinated approach towards the **integration of the water and waste sectors in the 'Smart Cities and Communities' European Innovation Partnership (EIP)**, identifying research and innovation needs which could lead to future actions

<http://ec.europa.eu/eip/smartcities/>

Objective: WATER-4-2014 a: Harnessing EU water research and innovation results for industry, policy makers and citizens; page 30; 4th bullet point

Type of action: **Coordination and support actions**





Objective: WATER-4-2014: Harnessing EU water research and innovation results for industry, policy makers and citizens

2014

Scope: **a) point 4: develop a coordinated approach to the integration of the water and waste sectors in the 'Smart Cities and Communities' European Innovation Partnership (EIP),** identifying research and innovation needs which could lead to future actions, promoting exchange of best practice between public authorities and stakeholders involved, and increasing preparedness and planning capacities of all the relevant actors.

<http://ec.europa.eu/eip/smartcities/>

Type of action: **Coordination & support actions**, project ~1M€, @100%



European
Commission

ICT research Efficient Water Management

7FP Call 2010

ICT PSP WP 2010 WP 2010
Objective 1.2 ICT for Water
Efficiency

1 NETWORK - 0,5M€

7FP Call 2011

Objective ICT-2011.6.3 ICT for Efficient
Water Resources Management

3 key building blocks:

Demand management systems,
Decision support systems,
Data management

5 STREPs - 15M€

7FP Call 2013

Objective ICT-2013.6 Water Resources
Management – budget 14 M€

To **pilot and demonstrate** ICT systems and services
for efficient water use and reuse to improve
awareness.

To **induce changes** in **consumer behavior**.

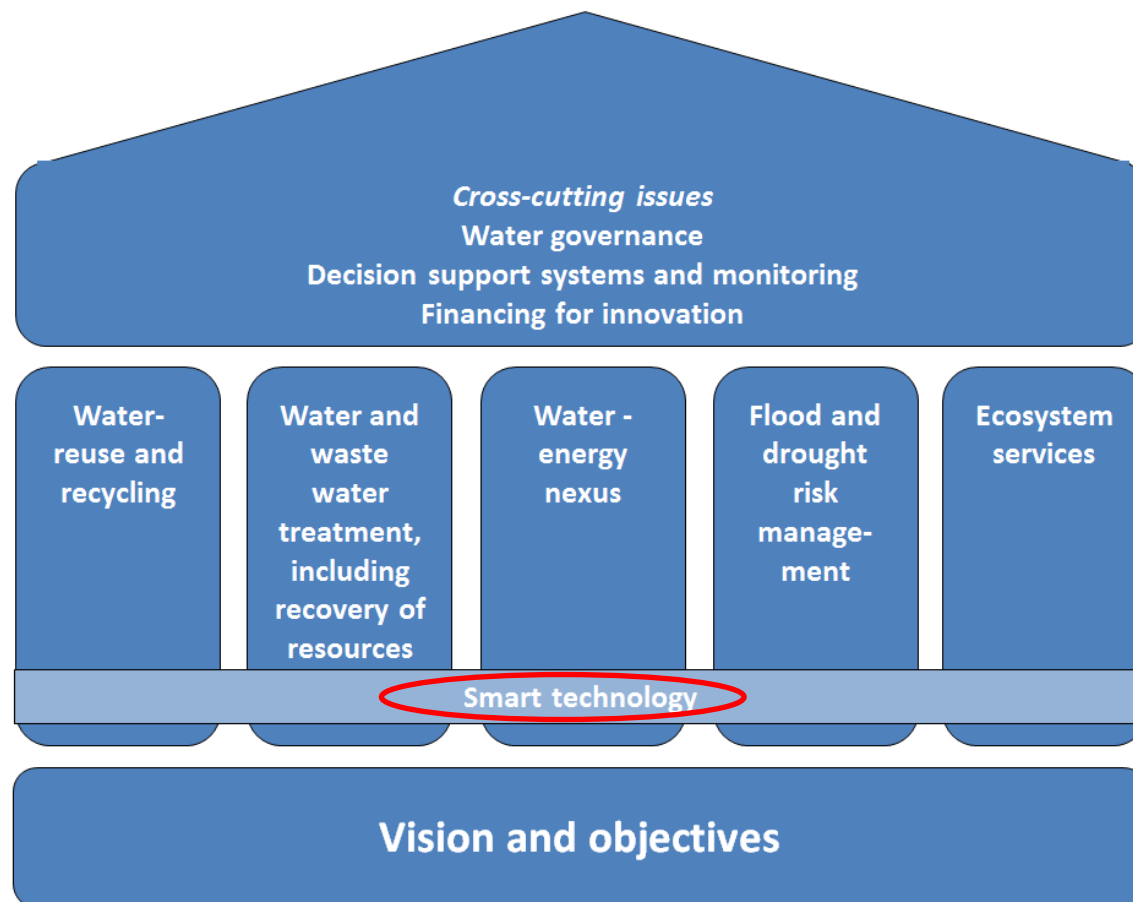
From 18/9/12 to 16/4/13

5 STREPs - 14M€



EIP on Water

Online Marketplace
on www.eip-water.eu



<http://ec.europa.eu/environment/water/innovationpartnership/>



ICT research Efficient Water Management Expected in H2020

Objectives ICT water for 2013-14

The situation:

- lack of interoperability between existing water information systems at EU (WISE) and national/river basin levels
- lack of harmonisation INSPIRE Directive,

Next steps:

- harmonisation → technology-independent, open-reference model
- new solutions → interoperability for existing systems, new connectivity standards

Objective: WATER-1-2014a) : Bridging the gap: from innovative water solutions to market replication ; page 25 of WP chapter 12



Objective: WATER-1-2014/2015: Bridging the gap: from innovative water solutions to market replication

2014

Scope: a) **First application and market replication of near-market water solutions**, addressing the **thematic priorities** identified in the EIP on water.

Activities should help process industries become less water dependant while ensuring efficient management of other resources (e.g. raw materials and energy), and/or exploiting untapped potential of ICT by developing and deploying advanced ICT solutions for water resources management in agriculture and urban areas.

Type of action: **Innovation actions** , funding **~2-4 M€**, @70%

Innovation Actions

'Demonstration or Pilot'

Validate the technical and economic viability of new or improved technology, product, etc in a (near to) operational environment; often with large scale prototype or demonstrator.

'Market replication'

First deployment in the market of an innovation that was already demonstrated, but not yet deployed due to market failures/ barriers to uptake.

Market replication projects involve the validation of technical and economic performance at system level in real life operating conditions provided by the market.

*Funding rate: 70% (except for non-profit legal entities, where a rate of 100% applies)
Demonstration projects may contain limited research and development activities.*



Demonstrate functional
prototype

Demonstrate system in
operational environment

Demonstrate viability
in 1st market)

Defined in the H2020 core document
'Rules for Participation'
& in the **WP Annex 'D'**

Innovation Actions

Demonstration/pilot
projects
may include limited R&D activities

First market
replication projects



2-Stage procedure

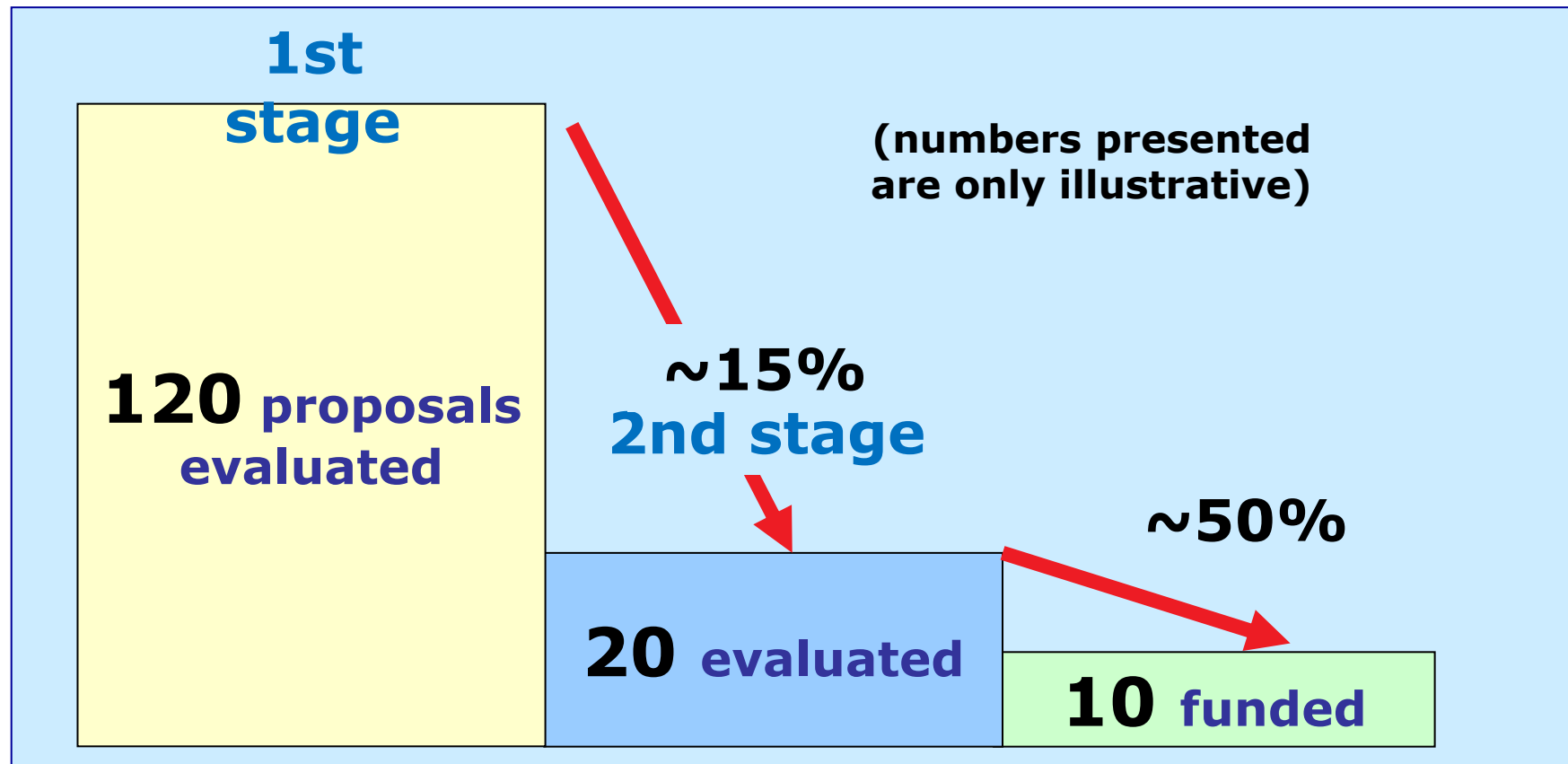


1. Stage

- ~10 pages („miniproposal“)
- Limited criteria
- Result: GO/NO GO

2. Stage

- 50+x pages (full proposal)
- Full criteria
- Result: ranked list





H2020 WP 2014-2015

12. Climate action, environment, resource efficiency and raw materials

Calls 2014 Publication 11 December 2013

Water1a: two-stage submission; deadlines:
Short proposal 08 April 2014; Full proposal 16 September 2014

H2020WP 2014-15, chapter 12, page 25,

Type of action: **Innovation actions**

Water4a: one-stage submission; deadline: 08 April 2014

H2020WP 2014-15, chapter 12, page 30; 4th bullet point

Type of action: **Coordination and support actions**

Page limits are set out in the electronic submission system.



Before the Call deadline:

*All potential applicants should first register in view to get access to the **Electronic Submission Services (SEP)***

SEP submission system requires a mandatory PIC (Participant Identification Code) for all participants

Applicants shall submit all general questions to the Horizon 2020

Helpdesk: https://ec.europa.eu/research/participants/porta/desktop/en/support/research_enquiry_service.html

H2020 WP2014-15:

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