

# EIP Water

European **Innovation**  
Partnership on Water

*Boosting cooperation opportunities*  
*Innovating water*

## Water sector innovation needs

- European urban water infrastructure asset value ~2 000 billion EUR<sup>1</sup>
- Global infrastructure investment needs to 2030 ~ 1,3% world GDP for water (1,5% Energy, 1,3% Transport and Telecom)<sup>2</sup>
- Water infrastructure financing needs 2005-2030 >50%<sup>3</sup> of total global infrastructure financing needs (also for Europe)
- Global infrastructure financing gap ~1,25% GDP<sup>4</sup>

1 -EWA manifesto, 2- EIB 2013, 3 -Booz Allen Hamilton (2007), 4-WEF (2012)

2<sup>nd</sup> Stakeholders EUSDR PA4&PA5 Conference, BUDAPEST,  
November 2015

## Innovation factors

- Policy
  - European Water Policy, second WFD cycle
  - Paradigm changes and integration (circular economy, resource efficiency, Water Energy Food Nexus,...)
- Climate change
- Demographic change, urbanisation

**Demanding environment for the Water Sector**

- **➔ CHANGE THE WATER BUSINESS BY INNOVATION**

## What is an EIP?

- Europe 2020 strategy



- **Seven flagship initiatives**



- 1) Youth mobility, 2) Digital agenda, 3) Resource efficiency, 4) Industrial policy, 5) New skills/jobs and 6) Poverty AND 7) **Innovation Union**



- **Within the Innovation Union 34 commitments**

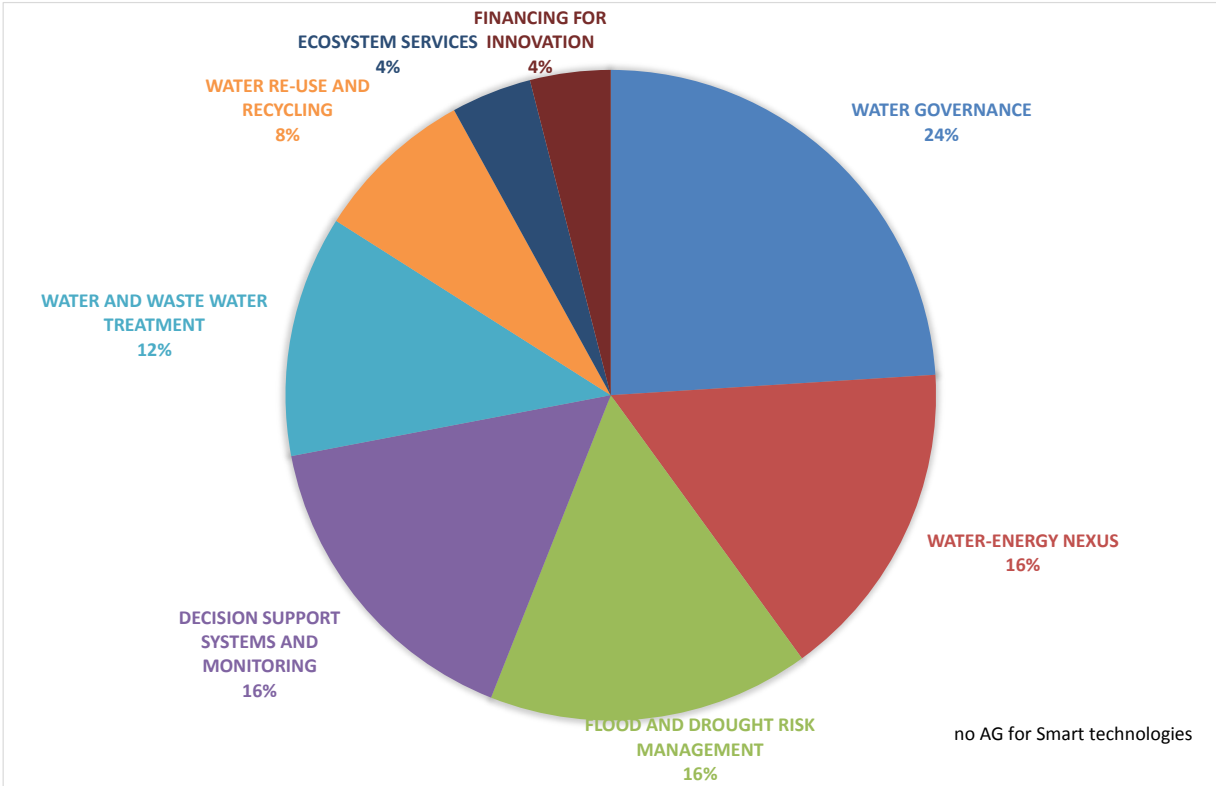


- Among them **European Innovation Partnerships**

## 29 Action Groups in EIP Water

- voluntary multi-stakeholder project teams (~20-80 partners); selected in 3 calls
- focus on the EIP Water's thematic priority areas
- develop, test, and scale up innovations
- stimulate the uptake of innovations by the market (e.g. regions/municipalities)
- **inform & promote their innovations via the EIP Water Marketplace**
- don't receive funding from the EIP but open to apply for other funding ;
- support by the secretariat and other EIP parties

# Themes of the EIP Water Action Groups

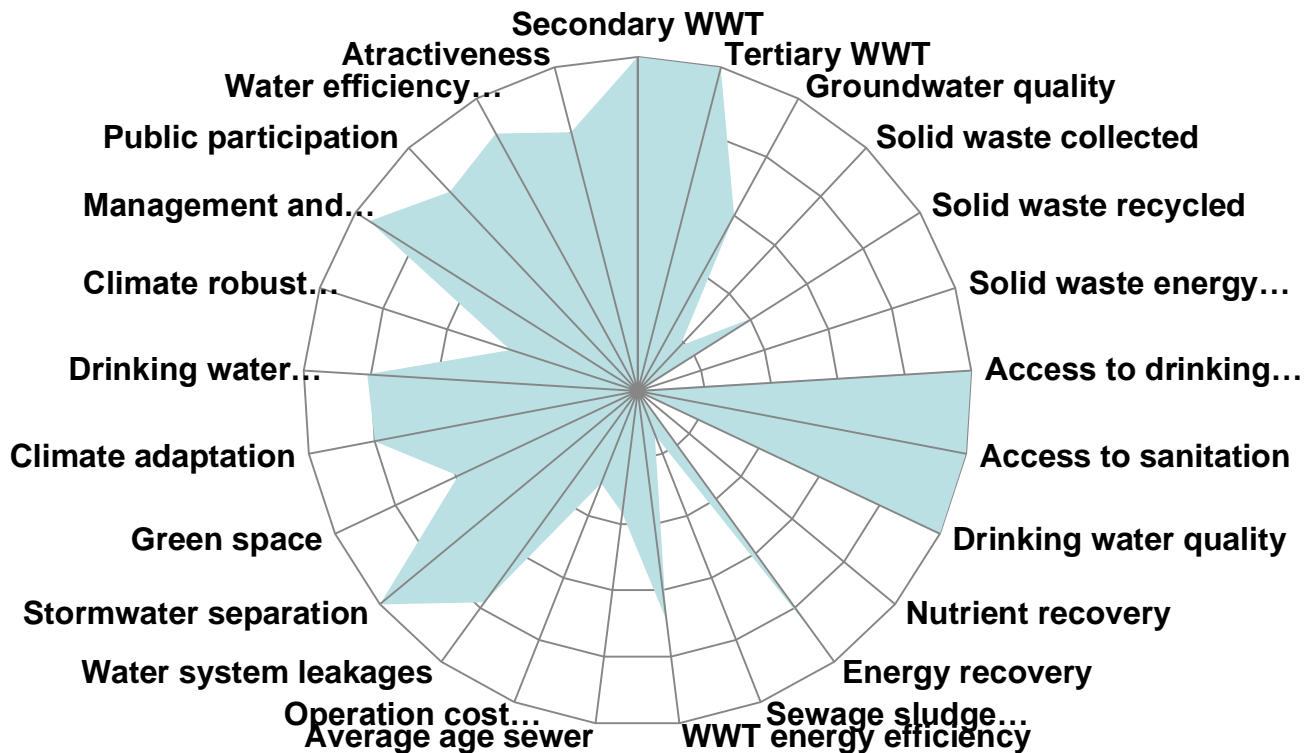


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BUDAPEST, November 2015

## EIP Water Action Group: **CITYBLUEPRINT**

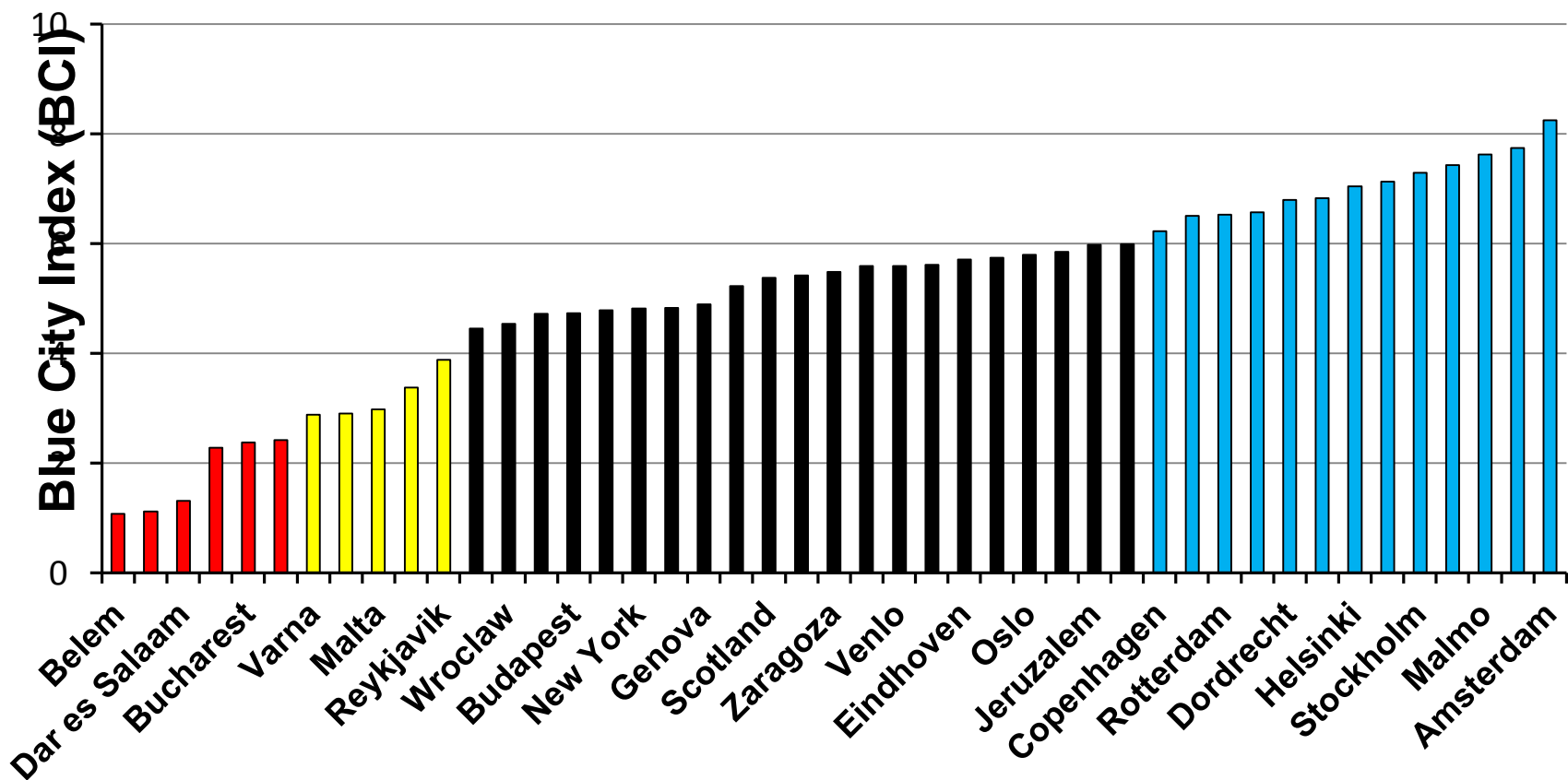
- Refines and applies a methodology to assess the sustainability of urban water services
- Evolved from precursor projects
- 45 cities have completed the baseline assessment
- Midterm objectives:
  - **assess 150 cities in Europe and establish city to city learning/sharing best practices**
  - **Move from analysis to visioning, strategy development and action plan (implementation)**
- →increased involvement of municipalities and financing future implementation steps
- **DUBROVNIK DECLARATION , Sept 2015**

# Melbourne





## BLUE CITY INDEX ( 15 October 2015)



## Links between EIP Water and RIS3 / Danube

- EIPs **streamline, simplify and better coordinate existing instruments and initiatives** and complement them with new actions where necessary (e.g. Action Groups of the EIP Water).
- EIPs and Action Groups identify **barriers** and **bottlenecks** for innovation and develop actions to overcome them
- EIPs **promote investments** in demonstration and pilots; **anticipate and fast-track any necessary regulation** and standards

## Links between EIP Water and RIS3 / Danube

- Water administrators and managers are mostly regions/countries and EIP water Action Groups often need regions and municipalities as partners to implement their innovations
- The EIP water seeks increased participation of stakeholders from CEE
- There is a huge demand for upgrading urban and rural water infrastructures in CEE; a big potential for implementing innovative solutions
- The ‚natural‘ unit for addressing water management is the catchment scale

## Potential synergies and contributions regarding innovation in the water sector

- EIP water is a **PLATFORM** that coordinates harmonises and provides access to the water networks but **it is not a funding mechanism.**
- EIP water provides access to the water community
  - **Matchmaking tool; match water sector and regions, search for partners, projects, products**
  - **EIP Water newsletter**
  - **EIP Water Marketplace ([www.EIP-water.eu](http://www.EIP-water.eu))**
- Professional support in commercialisation of innovations

## EIP Water Marketplace ([www.EIP-water.eu](http://www.EIP-water.eu))

- To become more relevant, attractive and be increasingly used by internatl and external users(esp.Eastern Europe)
- To place the PRODUCTS & SERVICES and the PROJECTS of ORGANISATIONS (the SMEs beside others) into the center of the Online Marketplace
- Establish mechanisms of co-operation as well as content integration and aggregation with 3<sup>rd</sup> party systems

## H2020 Funding ( barrier!)opp. 2016-2017

- SC5-11-2016: Supporting international cooperation activities on water
- SC5-12-2016: Food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies
- SC5-01-2016-2017: Exploring the added value of climate services
- SC5-02-2017: Integrated European regional modelling and climate prediction system
- SC5-03-2016: Climate services market research
- SC5-08-2017: Large-scale demonstrators on nature-based solutions for hydrometeorological risk reduction

## H2020 Funding opportunities 2016-2017(2)

- CIRC-02-2016-2017: Water in the context of the circular economy
- SPIRE-01-2016: Systematic approaches for resource-efficient water management systems in process industries
- SCC-02-2016-2017: **Demonstrating innovative nature-based solutions in cities**
- LCE-26-2016 Cross-thematic ERA-NET on Applied Geosciences
- H2020-SFS-2016-2017 Sustainable Food Security – Resilient and resource-efficient value chains
- H2020-RUR-2016-2017 **Rural Renaissance – Fostering innovation and business opportunities -**

## Smaller Funding recommended!

- Central Europe Initiative ( [www.cei.int](http://www.cei.int))
- Knowledge Exchange programme(KEP Austria, Italy)
  - **Example Winner project 2015:**
- Applicant: Alta Scuola, Italy ( Member of EIPWater Smart Rivers Network).
- Beneficiary:Moldova Water River Basin Management, Rep. of Moldova
- Total Project amount: 80.000 EUR
- Total CEI subsidy : 38.000 Eur
- Duration: 1 year



## Instead of conclusions?

Possible first steps:

1. Mapping exercise; screen themes and projects in YOUR COUNTRY! & REGIONS !-RIS3 strategies and planned projects for aspects related to **water and innovation**.
2. Establish links between EIP water Action Groups, USERS, PARTNERS and REGIONS;
3. Explore possibilities to cooperate **INSIDE EIPWater MARKET PLACE!** Registrar you and your projects! **CALL US for assistance! COOPERATE!**



Prepare yourselves for pro-active attitude!

CIPRIAN NANU

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