

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 EUR¹
- Global infrastructure investment needs to 2030 ~ 1,3% world GDP for water (1,5% Energy, 1,3% Transport and Telecom)²
- Water infrastructure financing needs 2005-2030 >50%³ of total global infrastructure financing needs (also for Europe)
- Global infrastructure financing gap ~1,25% GDP⁴

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

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, mobility
- 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**

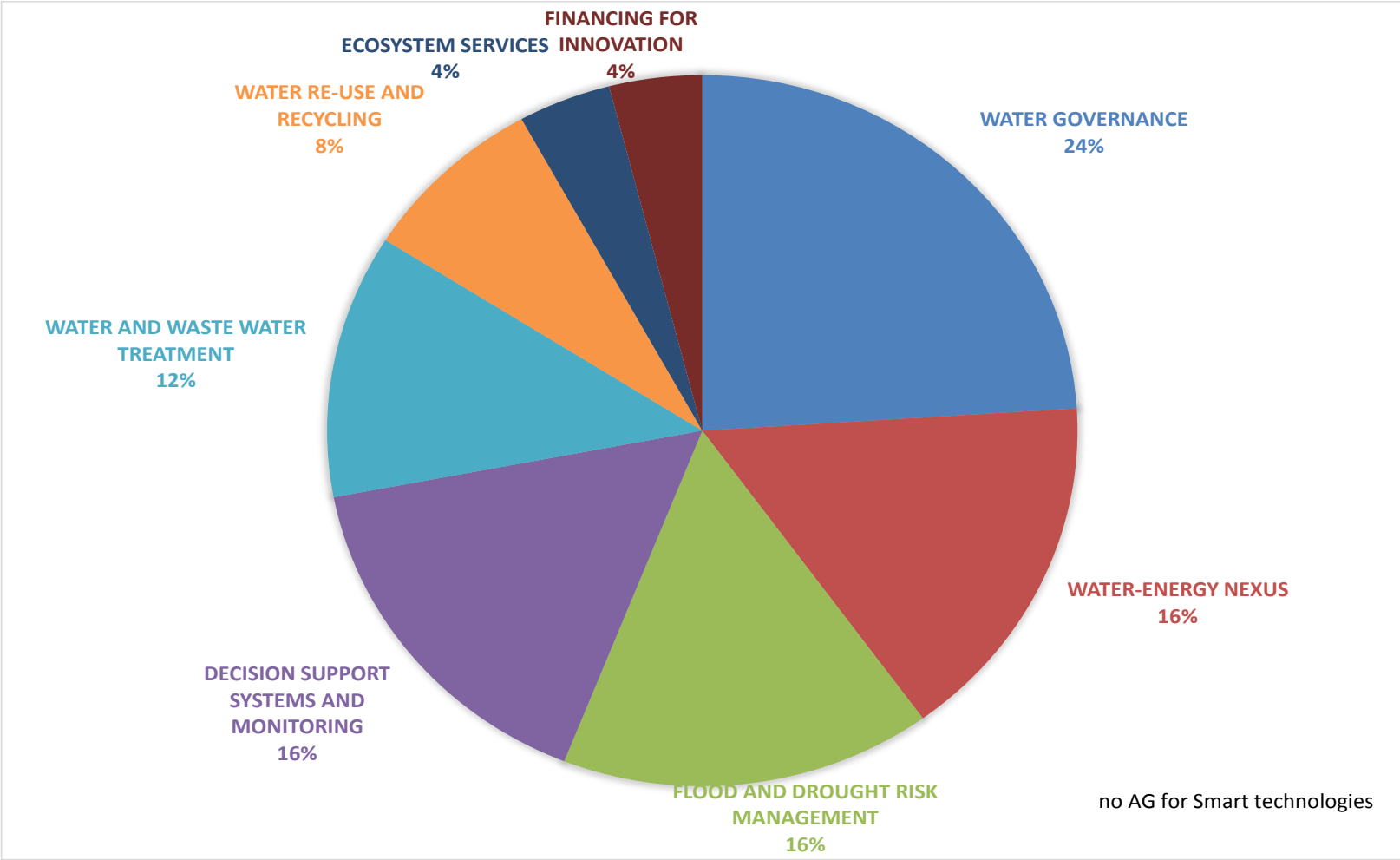
EIPWater Priority Areas-Interconnection DTP

- Water reuse and recycling
- Water and wastewater treatment, including recovery of resources
- Water-energy nexus
- Flood and drought risk management
- Ecosystem services
- In addition, selected cross cutting priorities are:
- Water governance
- Decision support systems and monitoring
- Financing for innovation

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



Other support for AGs:

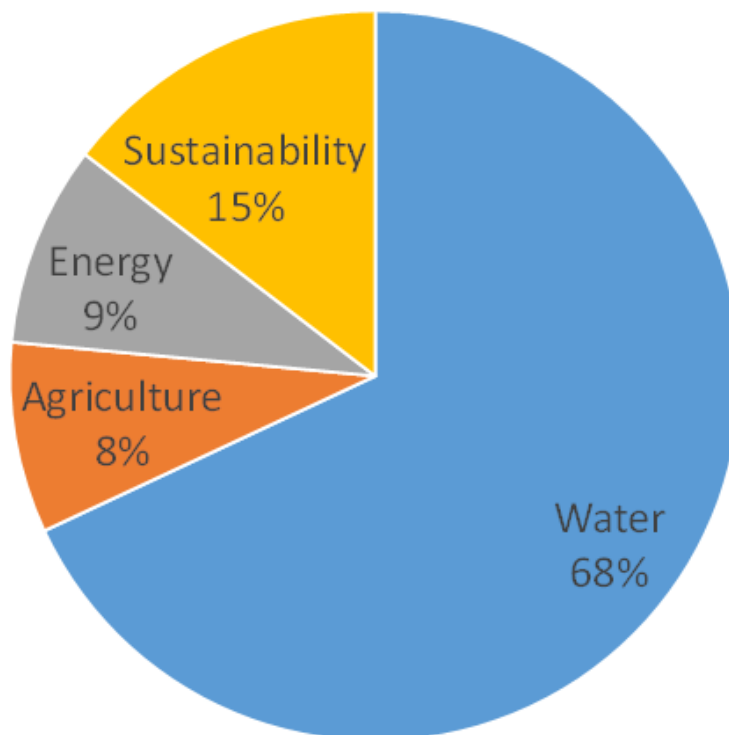
- Taylormade approaches to:
 - **Assist in Financing proposals(incl. Partner search in Eastern Europe incl. Danube region)**
 - **Business development (incl. Eastern Europe)**
 - **Involvement in policy consultations**
 - **Liaise with other (EC) initiatives such as China-Europe Water Platform, India- Europe water platform, mentoring the role of water in RIS3 strategies**

Other selected tools and actions of the EIP water

- Liaise with other sectors
 - **Energy, Agriculture, Food**
- Inventory of water innovation hubs to
 - **Ensure complementarity**
 - **Identify opportunities for cooperation and sharing**
- **Promote stronger participation of Actors from CEE countries**
- Awareness raising to foster stronger participation of municipalities, cities, and other public and private water managers
- Many more; innovation procurement regulatory barriers

Involve other sectors

Representation of Sectors (among the Attendees of the EIP Water Conference 2016)



Barriers & Bottlenecks in Water Innovation

- Financing (projects, development,etc.)
- Procurement
- Regulation/ Legislation
- Information & Know how, showcases & demonstration sites
- Partnerships –creation; development & commitment; project proposals

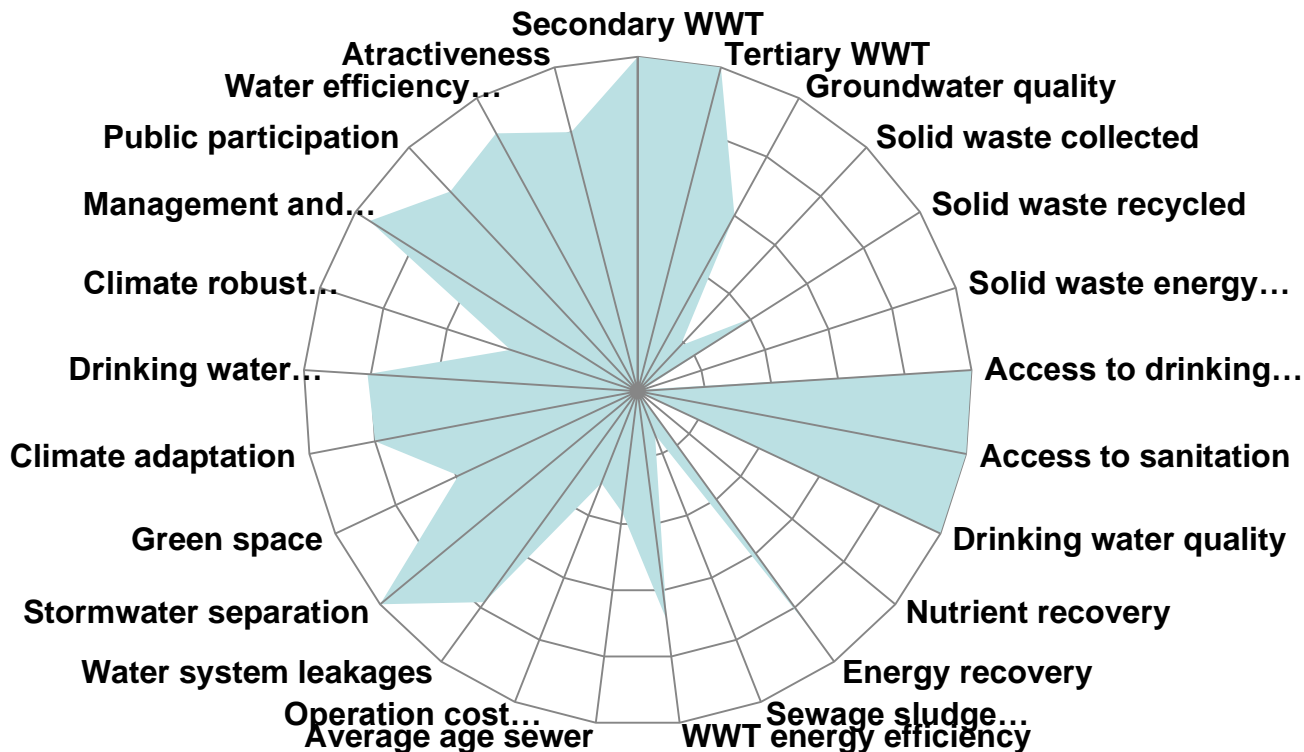
Specific EEurope/ Danube region?

- Cultural /Languages
- Passive attitude; Invited in Projects or Initiate?

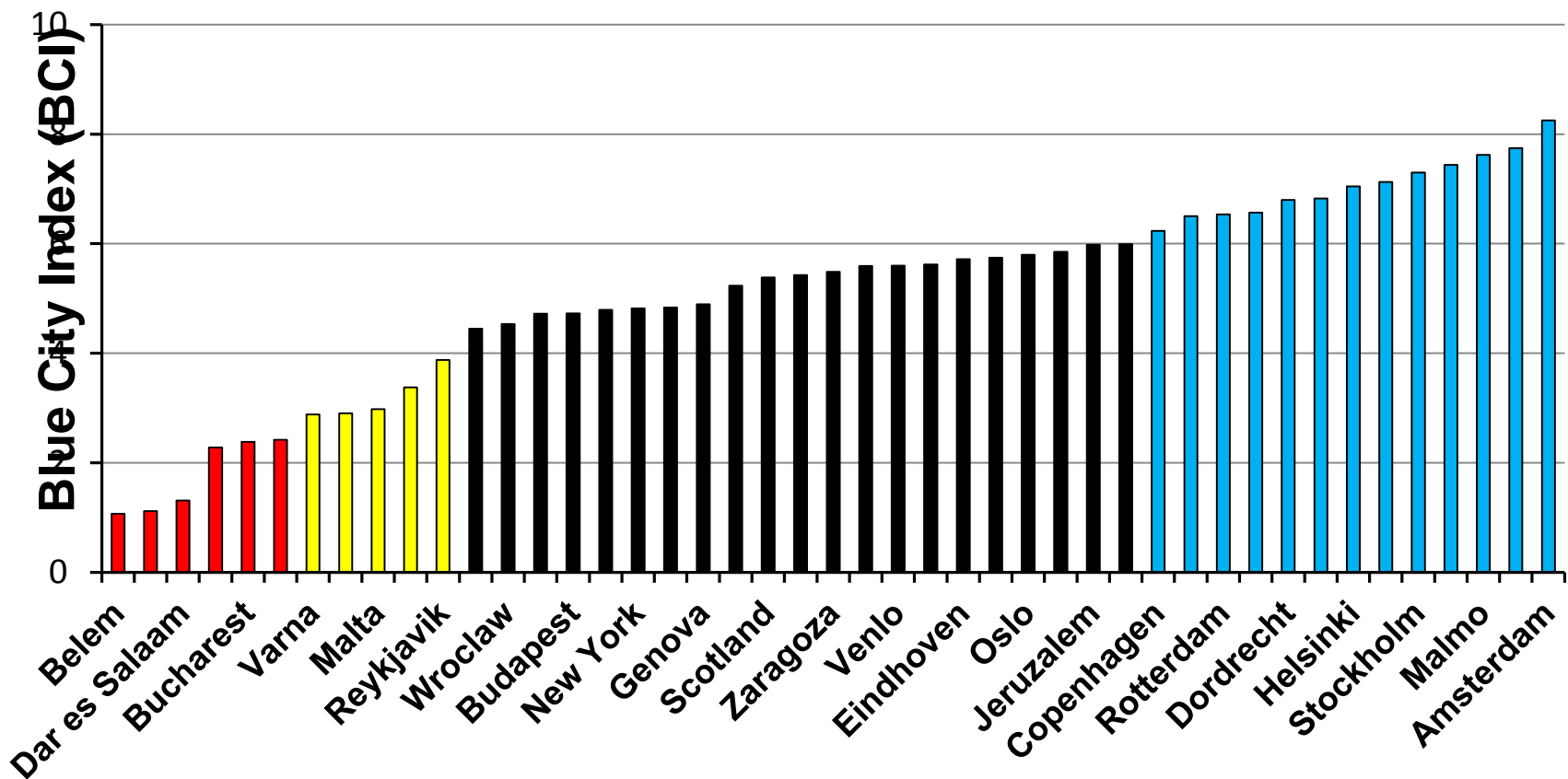
Successful Action Group :CITYBLUEPRINT

- 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 Alliance , Sept 2015(RO, PL, HU)

Melbourne



BLUE CITY INDEX (15 October 2015)



Links between EIP Water and RIS3 / Danube(1)

- 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(2)

- 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 increasing participation of stakeholders from CEE, incl. Danube region
- There is a huge demand for upgrading urban and rural water infrastructures in CEE; a big potential for implementing innovative solutions
- EIP Water offer solutions for knowledge sharing between regions

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 (10/year)**
 - **EIP Water Marketplace (www.eip-water.eu)**
- Professional support in commercialisation of innovations including Danube region countries

EIP Water Marketplace (www.eip-water.eu)

- To become more relevant, attractive and be increasingly used by internal and external users(esp. Eastern Europe, incl. Danube Region)
- 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 3rd party systems

Example EIPWater assistance project proposal

- Project Acronym: **NAIAD**; HORIZON2020;
- CALL: **H2020-SC5-2016-2017**
- General Objective: to operationalize the insurance value of ecosystems to reduce the human and economic cost of risks associated with water (floods and drought) by developing and testing the concepts, tools, applications and instruments (business models) necessary for its mainstreaming.
- Consortium Leader: Confederación Hidrográfica del Duero (CHD), Spain;
- 23 Consortium partners; SP,UK,IT,FR,DK,NL.
- 5 Central Eastern European Partners: 2SLO, 2RO, 1 PL
- Pilot Project in ROMANIA

Smaller funding important!

- Central Europe Initiative (www.cei.int)
- Knowledge Exchange programme(KEP Austria, Italy); **Applicants from Danube region also eligible**
 - **Example Winner water project 2015:**
- Applicant: Alta Scuola, Italy (Member of EIPWater Smart Rivers Network Action Group).
- 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 when cooperating with EIPWater:

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!**

Meet EIP Water in 2017 in PORTO, Portugal !

The screenshot shows the EIP Water website homepage. At the top, there is a navigation bar with links for Content, Structure, People, Configuration, Help, Newsletter Content, and Website statistics. The user is logged in as 'Hello Ciprian Nanu'. Below the navigation bar, there are four main categories: People (Who innovates in the water sector?), Projects (Get inspired by innovative water projects!), Organisations (Build your network of partners!), and Products & Services (Which innovation do you offer?). Each category has a 'read more' button. The main content area features a large banner for the 'EIP Water Conference 2017 in Porto!' with a background image of a bridge over a river. The banner text states: 'The 4th EIP Water Conference will be held in Porto, Portugal in the week of September 25, 2017 (exact date to follow). #EIPWater2017'. Below the banner, there is a 'read more' button. At the bottom, there is a 'News' section with tabs for News, Showcase, and Events. The first news item is dated 'Friday, September 23, 2016 - 02:00 | Water Technology' and is titled 'Ovivo signs exclusive licensing agreement with District of Columbia Water and Sewer Authority'. The article text reads: 'Ovivo, a global provider of water treatment equipment, technology and systems, has signed an exclusive licensing arrangement with the District of Columbia Water and Sewer Authority (DC Water) for its...'. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 13:04.



Prepare yourselves for pro-active attitude!

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