



**Experts Workshop  
for updating the SRIA 3.0 and  
Vision 2030**

Dublin, Ireland  
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# Water JPI & Key Achievements

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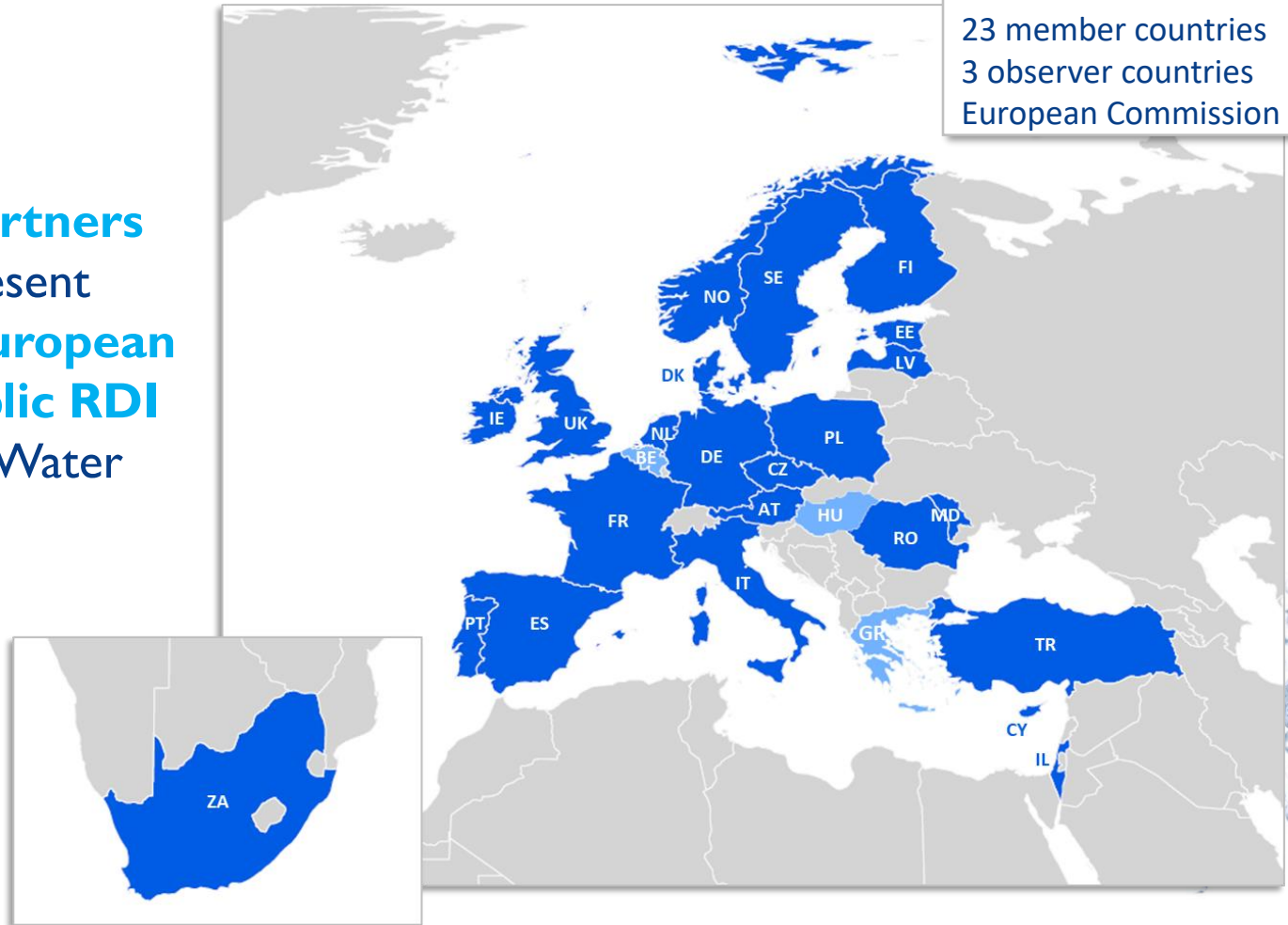
# Water JPI Membership

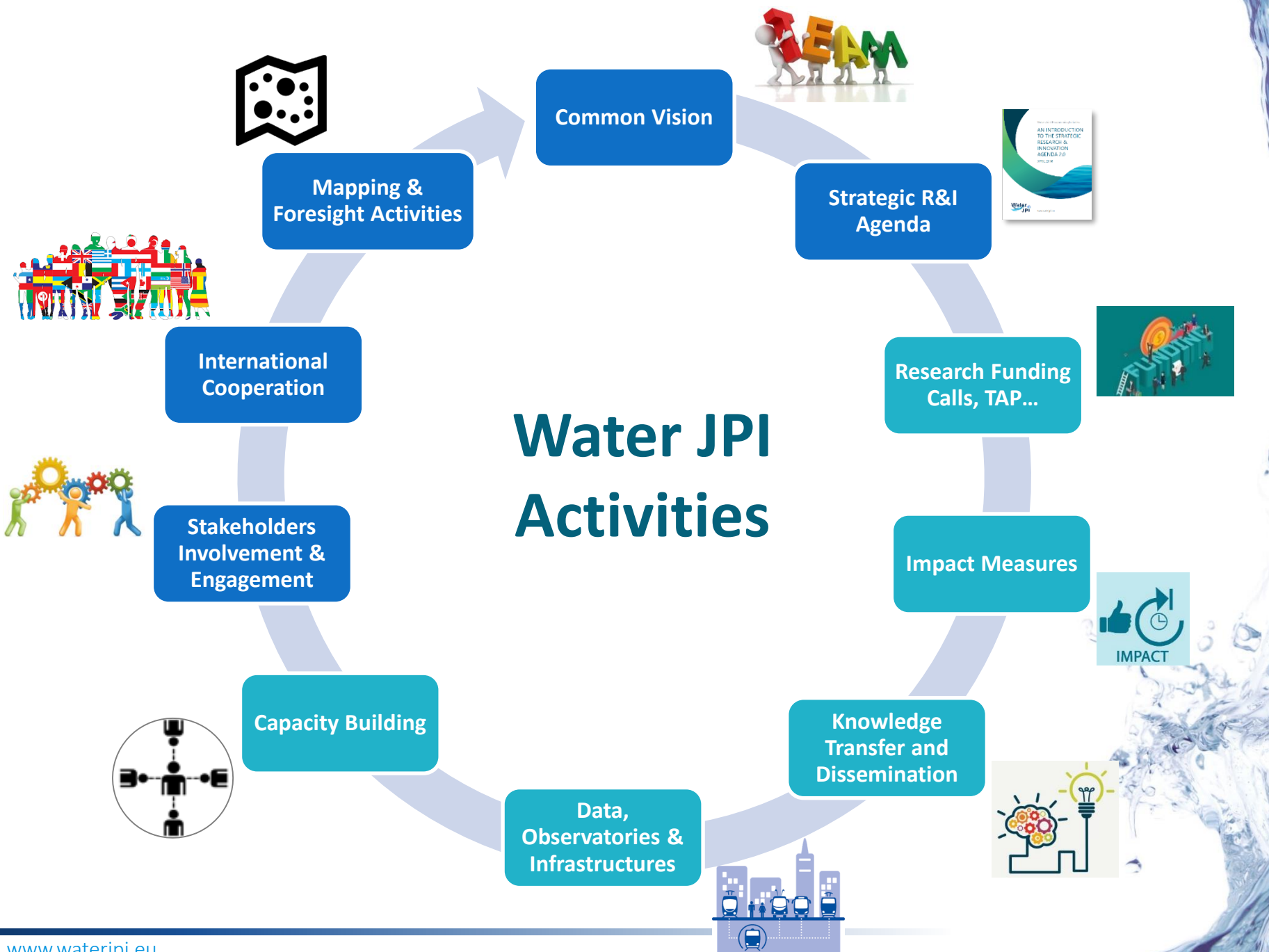
**Water JPI partners** currently represent **88% of the European National Public RDI investment on Water**

-  Water JPI Members
-  Water JPI Observers

**2018**

23 member countries  
3 observer countries  
European Commission

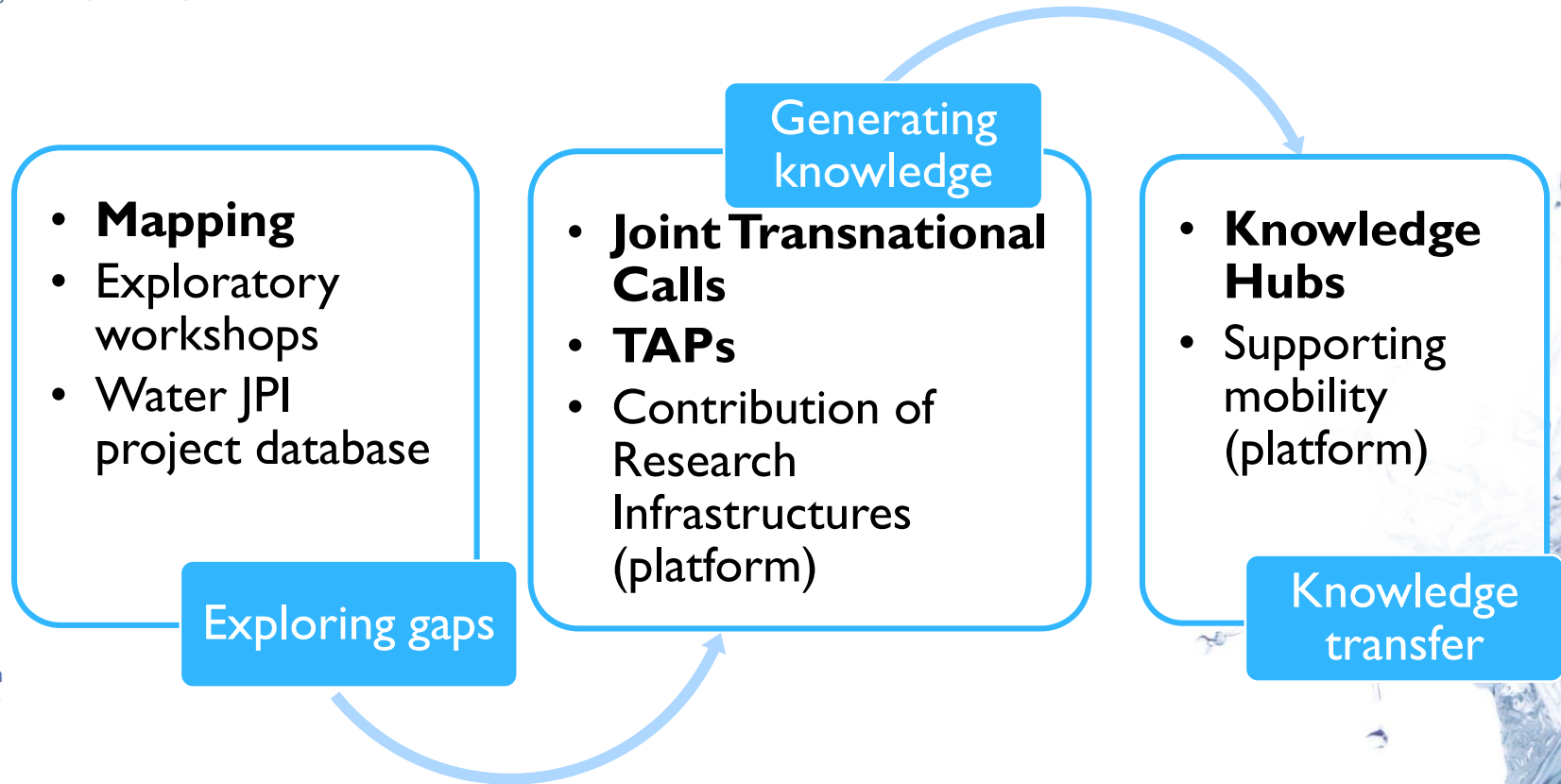






# From New Knowledge to Knowledge Transfer

Clustering researchers/programmes on a specific topic of the SRIA



Improving ecosystem sustainability and human well-being



Safe water systems for citizens



A water-wise bio-based economy



Closing the water cycle gap

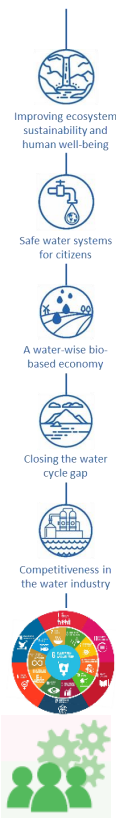


Competitiveness in the water industry

# Implementing the Water JPI SRIA



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Improving ecosystem sustainability and human well-being					Workshop		TAP Thematic Annual Programming		Joint Call		Co-operation
Safe water systems for citizens	Joint Call					Knowledge Hub Activity		Joint Call	Co-operation	TAP Thematic Annual Programming	
A water-wise bio-based economy			Co-operation	Joint Call				Co-operation			
Closing the water cycle gap				Workshop		Joint Call					
Competitiveness in the water industry			Joint Call				Co-operation	Joint Call			
				Workshop	Joint Call	Co-operation	Knowledge Hub Activity	Outreach & dissemination		Co-operation	
	Vision & Strategy	Case Studies	Co-operation	Outreach & dissemination	Vision & Strategy	Outreach & dissemination	Mobility & Infrastructure	Vision & Strategy	Outreach & dissemination		



# Water JPI Joint Transnational Calls 2013-2018



Participating Countries in Joint Calls			
2013	10 countries	€ 9 M	7 funded projects
2015	15 countries + European Commission	€ 14 M	16 funded projects
2016	22 countries + European Commission	€ 18 M	21 funded projects
2017	12 countries	€ 6,8 M	8 funded projects
2018	18 countries + European Commission	€ 15,2 M	18 funded projects

- ▶ Emerging water contaminants (2013)
- ▶ Waste water treatment and water reuse (2015)
- ▶ Water challenges in agriculture, forestry and freshwater aquaculture (2016)
- ▶ Water related UN Sustainable Development Goals (2017)
- ▶ Closing the Water Cycle gap : Sustainable Management of Water Resources (2018)

# What is contaminating our waters next?

## CONTAMINANTS OF EMERGING CONCERN (CECs) - NOVEL WAYS TO REDUCE THEIR HUMAN AND ENVIRONMENTAL RISKS

CECs are a rising problem in the waters we use. Contaminants of emerging concern (CEC) is a designation that can be attributed to contaminants that appeared recently or that are present in the environment for some years, but which only recently have raised the concern about their ecological or human health impacts. Although CECs refers most commonly to chemicals, the broad perception herein presented applies also to microorganisms, such as antibiotic resistant bacteria and their antibiotic resistance genes, or particles, such as nanoparticles or microplastics. All these contaminants can occur and diffuse through the water cycle mostly in ways we do not fully understand.

As society continues to generate these chemicals by e.g. creating and designing new compounds and new materials by industrial processes, as well as, by individual consumption behaviour, we find them more and more in the aquatic environment all over the world.

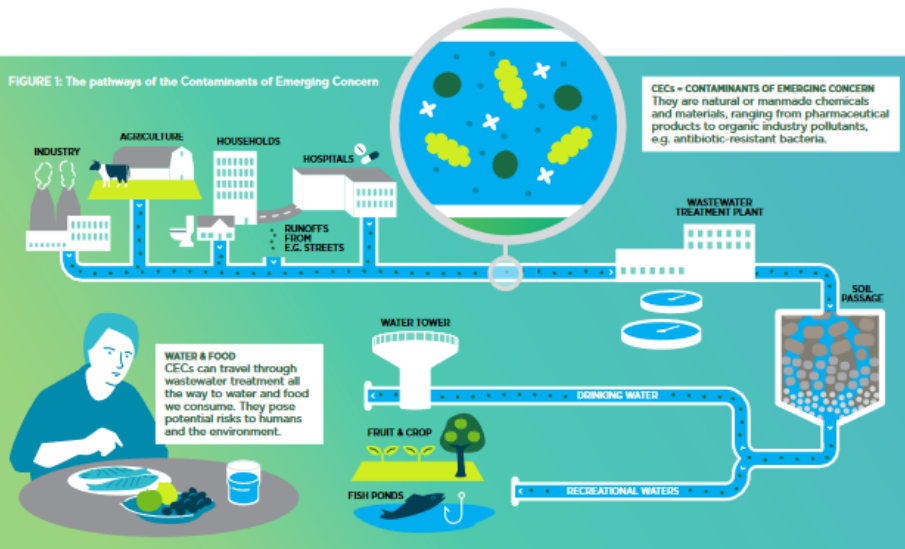
There is a general concern that they pose threats to aquatic life and, thus, to human and environment health.

The current body of evidence on the nature and behaviour of CECs is thin and new scientific knowledge is needed to improve the management of their potential risks that are related to humans and the environment.

It is necessary that current European Union (EU) legislation, chemical regulatory and water management agencies be fully capable to address the problem in a sustainable and efficient manner. To take full responsibility of the CECs we produce, policymakers and water management practitioners need clear guidelines to respond to this environmental and societal challenge. By 2030, we should reach the Strategic Development Goals (SDGs) of United Nations (UN), where Goal number 6 is "Ensure availability and sustainable management of water and sanitation for all".

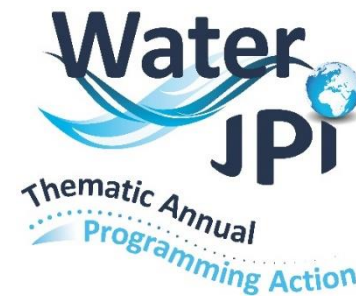
- ▶ Contribution from Seven Projects on “Emerging water contaminants - anthropogenic pollutants and pathogens” funded under 2013 Pilot Call
- ▶ Published in Nov 2018

FIGURE 1: The pathways of the Contaminants of Emerging Concern





# Water TAP Action on Ecosystem Services



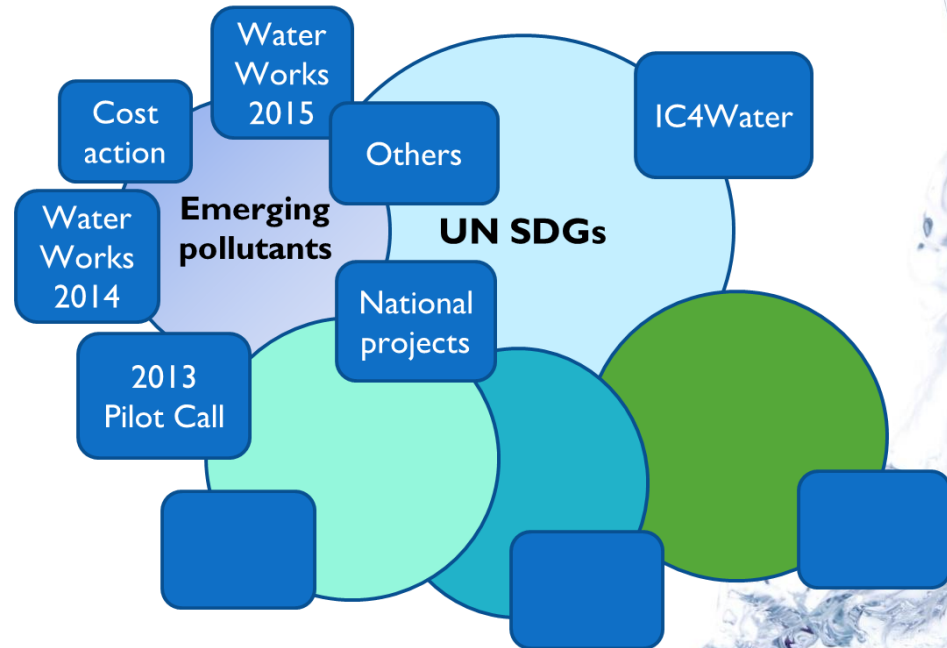
- ▶ Topic: « Developing approaches for assessing and optimising the value of Ecosystem services »
  - ▶ 6 projects from 4 countries clustered
- ▶ TAP Kick-off on the 12/06/2019 in Dublin
  - ▶ 21 attendees including representatives from 16 different organisations from 8 countries
  - ▶ Coordinator: Yearly Rotation basis (Mary Kelly-Quinn for Year 1)
  - ▶ Water JPI TAP should inform policy and practice
- ▶ Outputs to-date:
  - ▶ Workshops' Proceedings
  - ▶ Who is Who
- ▶ Next Workshop on 19 November 2019 in Brussels

# Knowledge Transfer

- First **Knowledge Hub** started in March 2018 with 25 experts

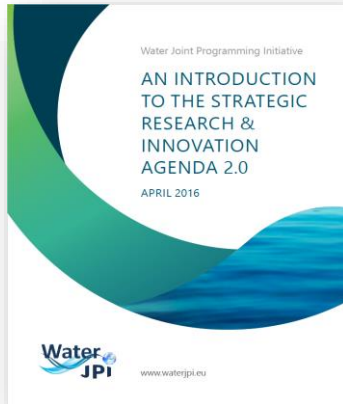
- ▶ **Knowledge Hub on Contaminants of Emerging Concern:**

- ▶ Who's Who
- ▶ Policy Brief: "Contaminants of Emerging pollutants – an emerging risk in our waters"
- ▶ Consensus on common terminology and topics
- ▶ State of the Art (under process)



- Second **Knowledge Hub on UN SDGs** to be started on 3 December 2019

- ▶ **Knowledge Hub on New water under water scarcity**



**Joint Actions**

**Implementation Plan**  
3-year Work Plan

**Vision: Global Challenge & Strategic Research Areas**  
10-Year Forward Looking

**Strategic Research & Innovation Agenda**  
5-year Roadmap



# Future Calls



## ▶ ERA-NET Cofund 2019: 2020 Joint Call

- ▶ Risks posed to human health and the environment by pollutants and pathogens present in water resources
- ▶ In collaboration with the [JPIs AMR](#) and [Oceans](#)
- ▶ 31 FPO – 26 Countries (DE, BE, CY, CZ, DK, EG, EE, FI, FR, IE, IL, IT, MD, NO, PL, PT, RO, ZA, ES, SE, TN, TU, UK, BR, GR, TW)
  - Pre-announcement: end November 2019
  - Official Launch: February 2020

## ▶ ERA-NET Cofund 2020: 2021 Joint Call

- ▶ Dynamics, conservation and restoration of biodiversity and ecosystem services, with a particular focus on degraded water bodies and aquatic ecosystems
- ▶ In collaboration with [BiodivERsA](#)
  - Proposal included in the [WVP2020](#) published in July 2019
  - To be submitted to EC 13 February 2020



# For more information...



- Website : [www.waterjpi.eu](http://www.waterjpi.eu)
- A Newsletter – **Subscribe on line!**
- [@WaterJPI](https://twitter.com/WaterJPI)
- LinkedIn - Water JPI researcher forum group (ca. 2000 members)  
<https://www.linkedin.com/groups/8455262>
  - Joint Calls announcements & Networking
  - Announcement of events and activities
- A unique contact point
  - [waterjpisecretariat@agencerecherche.fr](mailto:waterjpisecretariat@agencerecherche.fr)
  - Phone + 33 | 78098120



***Thanks to all!***

***See you...***

