

The Water JPI, its Strategic Research & Innovation Agenda and the UN SDGs



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Joint Programming

- Is a new way to address RDI problems with (at least) European dimension
 - An initiative of European Member States and the European Commission
 - For tackling major, common, European societal challenges in a coordinated way, through:
 - coordinating national / regional, public, research, development and innovation programmes in Europe
 - Developing Joint multilateral activities
 - **aligning** national research programmes in an effective manner,
 - making better use of Europe's limited public RDI funding
 - and extending links to various international initiatives.
 - A process based on variable geometry

10 JPIs since 2008



Alzheimer and other Neurodegenerative Diseases (JPND)



Agriculture, Food Security and Climate Change (FACCE)



A Healthy Diet for a Healthy Life (HDHL)



Cultural Heritage: a Challenge for Europe (JPI CH)



Urban Europe - Global Urban Challenges, Joint European Solutions (Urban Europe)



Connecting Climate Knowledge for Europe (Climate)



More Years, Better Lives - the Potential and Challenges of Demographic Change (MYBL)



Antimicrobial Resistance - The Microbial Challenge - An Emerging Threat to Human Health (JPIAMR)



Water Challenges for a Changing World (Water)



Healthy and Productive Seas and Oceans (Oceans)

The Water JPI

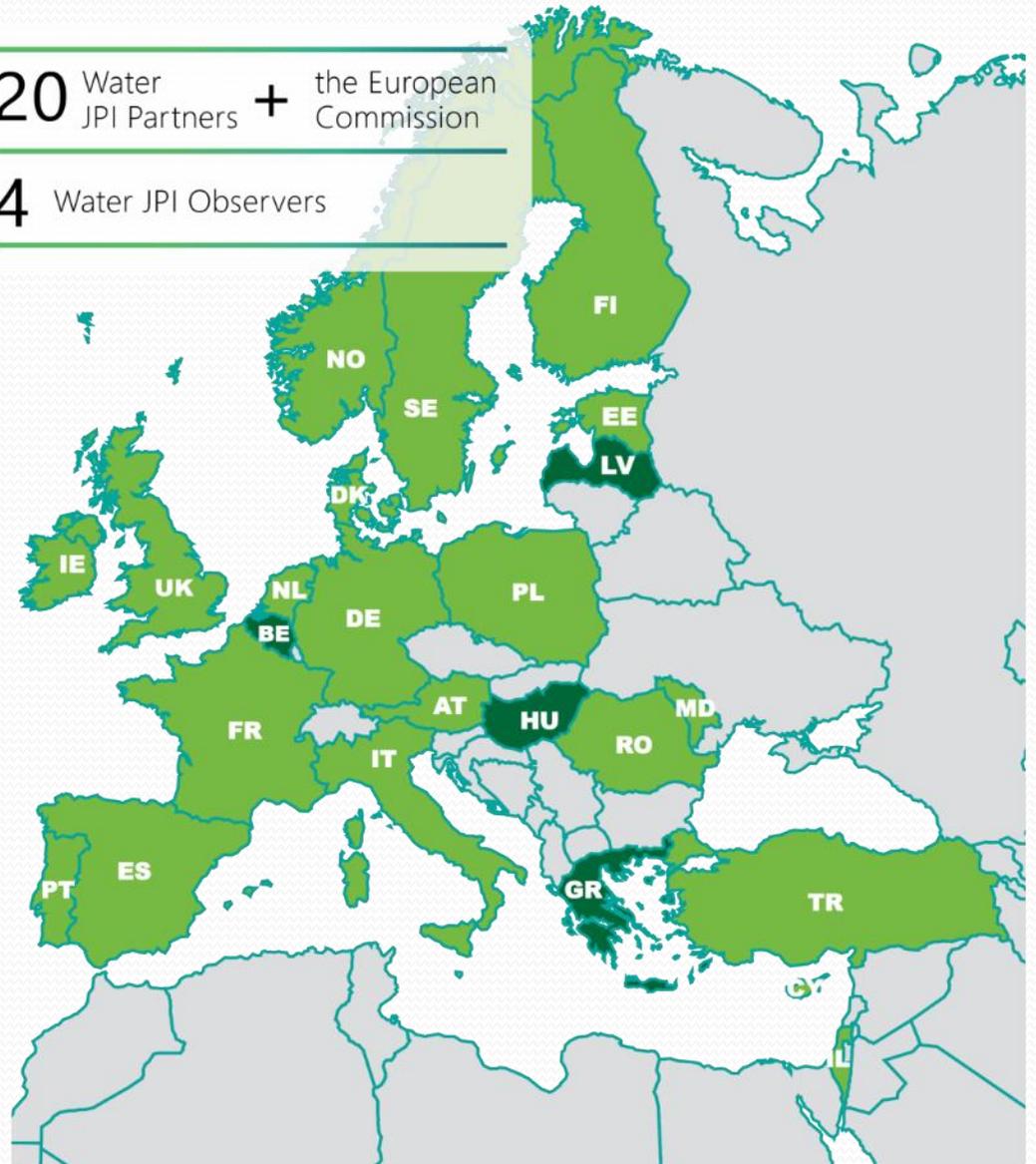
- The Water JPI, entitled “Water Challenges for a Changing World”, was formally approved by the European Council in December 2011.
- The Water JPI is dedicated to tackling the ambitious challenge of achieving sustainable water systems for a sustainable economy in Europe and abroad.
- This will be realised through a multi-disciplinary approach, which includes economic, ecological, societal and technological considerations.

Water JPI Partner Countries

20 Water JPI Partners + the European Commission

4 Water JPI Observers

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



Main Objectives of Water JPI and Activities to Realise

OBJECTIVES

Reaching effective, sustainable coordination of European water RDI

Involving water end-users for effective RDI results uptake

Harmonising National water RDI agendas in Partner Countries

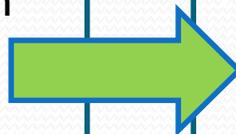
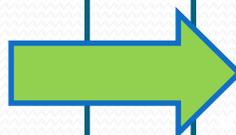
Supporting European leadership in science and technology

TOOLS / ACTIVITIES

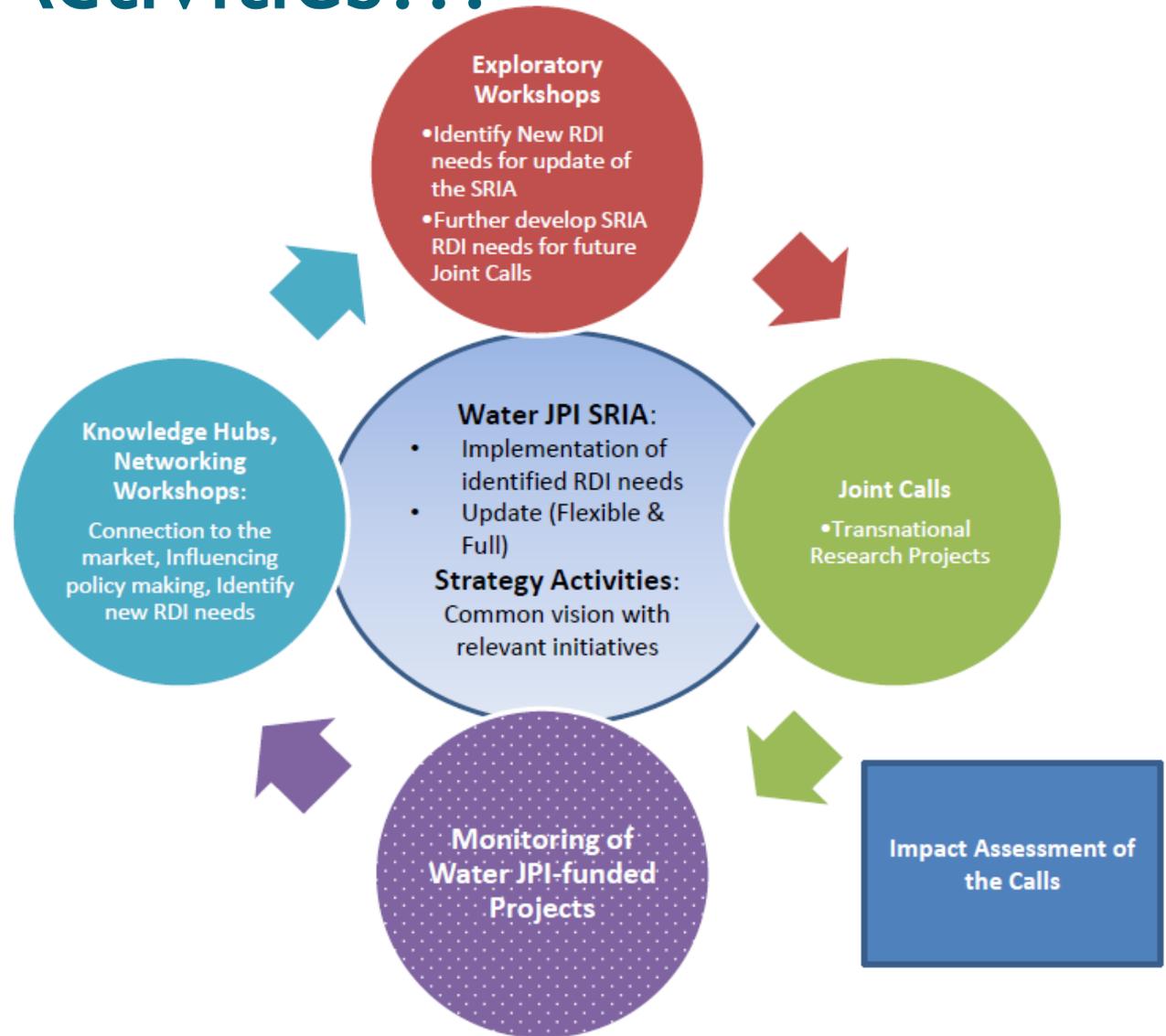
Joint Call Management for providing and steering **research and innovation** in the water sector

Alignment of Research Agendas (SRIA Document and Implementation Plan) and RDI activities (including mapping activities and infrastructures)

International Cooperation (MoUs, Call Partnerships...)



Thematic Activities...



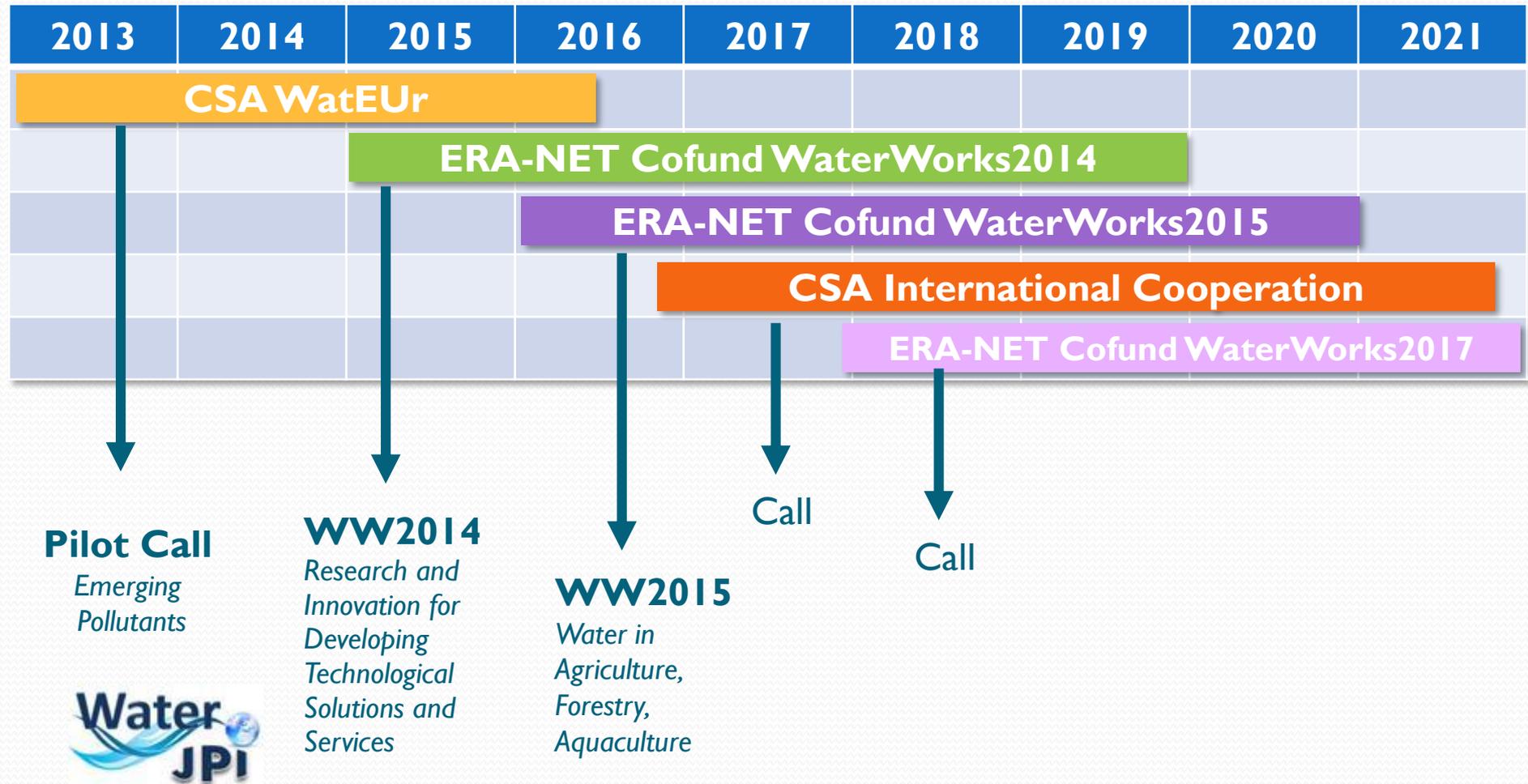
Possible Joint Actions



- Shared strategic research & Innovation agenda
- Mapping exercises
- Joint Transnational calls (in Interaction with Horizon 2020)
- Thematic Annual Programming (national projects-level)
- Knowledge hub (Including development of policy briefs, innovation factsheets)
- Demonstration programmes or launch of demonstration platforms
- Access to key infrastructures, observatories
- Training and capacity building
 - Good Practices Workshops (RFO Governance/Research funding management)
- Alignment Workshops
- Joint events / conferences / workshops / webinars
- Brokerage events / roadshows
- Access to Mobility schemes (for researchers, for research programmes managers)
- Connections with leading research networks (e.g. COST Actions)

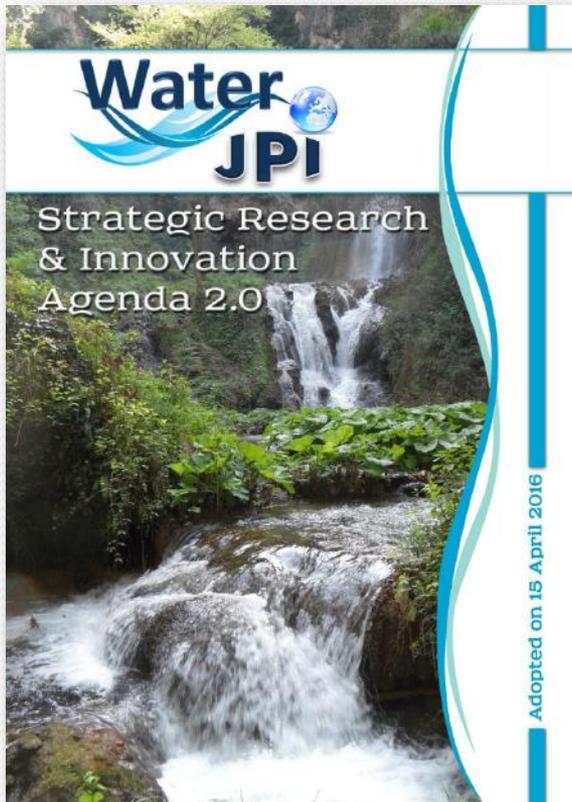
Timeline of Water JPI Joint Calls

Water JPI



SRIA

Strategic Research and Innovation Agenda



- Conceived as a participatory, inclusive, shared and forward-looking strategic document that lays out Research, Development and Innovation (RDI) needs in Europe in the field of water
- Conceived as an instrument to guide European research and innovation

➔ **Objective: to be the European reference document on water stakes that will frame H2020 calls, etc.**

SRIA structure

Vision Document

(5 themes)



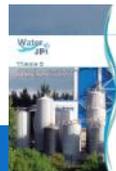
Theme 1
Improving
Ecosystem
Sustainability
and Human
Well-being



Theme 2
Developing
Safe Water
Systems for
Citizens



Theme 3
Promoting
Competitiveness in the
Water
Industry



Theme 4
Implementing
a Water-wise
Bio-based
Economy



Theme 5
Closing the
Water Cycle
Gap
Improving
Sustainable
Water
Resources
Management



SRIA 2.0

(5 themes and 11 sub-themes)

Timeline of Water JPI Joint Calls

Water JPI

2013 2014 2015 2016 2017 2018 2019 2020 2021

CSA WatEUr

ERA-NET Cofund WaterWorks2014

ERA-NET Cofund WaterWorks2015

CSA International Cooperation

ERA-NET Cofund WaterWorks2017 ?

Pilot Call
*Emerging
Pollutants*

WW2014
*Research and
Innovation for
Developing
Technological
Solutions and
Services*

WW2015
*Water in
Agriculture,
Forestry,
Aquaculture*

Call

Call



	Water JPI	Sub-themes	Addressed in
I. Core Research Themes	1. Improving Ecosystem Sustainability and Human Well-being	1.1. Developing approaches for assessing and optimising the value of ecosystem services 1.2. Integrated approaches: developing and applying ecological engineering and ecohydrology 1.3. Managing the effects of hydro-climatic extreme events	
	2. Developing safe water systems for the citizens	2.1. Emerging pollutants and emerging risks of established pollutants: assessing their effects on nature and humans and their behaviour and opportunities for their treatment 2.2. Minimising risks associated with water infrastructures and natural hazards	2013 Water JPI Pilot Call Future Knowledge hub to be develop under WaterWorks2015 Additional Activities
	3. Promoting competitiveness in the water industry	3.1. Developing market-oriented solutions for the water industry 3.2. Enhancing the regulatory framework	2015 Water JPI Joint Call (WaterWorks2014 ERA-NET Cofund)
	4. Implementing a water-wise bio-based economy	4.1. Improving the efficiency of water use for a sustainable bio-economy sector 4.2. Reducing soil and water pollution	2016 Water JPI Joint Call (WaterWorks2015 ERA-NET Cofund)
	5. Closing the water cycle gap – Improving Sustainable Water Resources Management	5.1. Enabling sustainable management of water resources 5.2. Strengthening socio-economic approaches to water management	Waterworks2017 –proposal submitted the 7 th of March 2017

2017 Water JPI Joint Call (IC4Water CSA)



UN Sustainable Development Goals

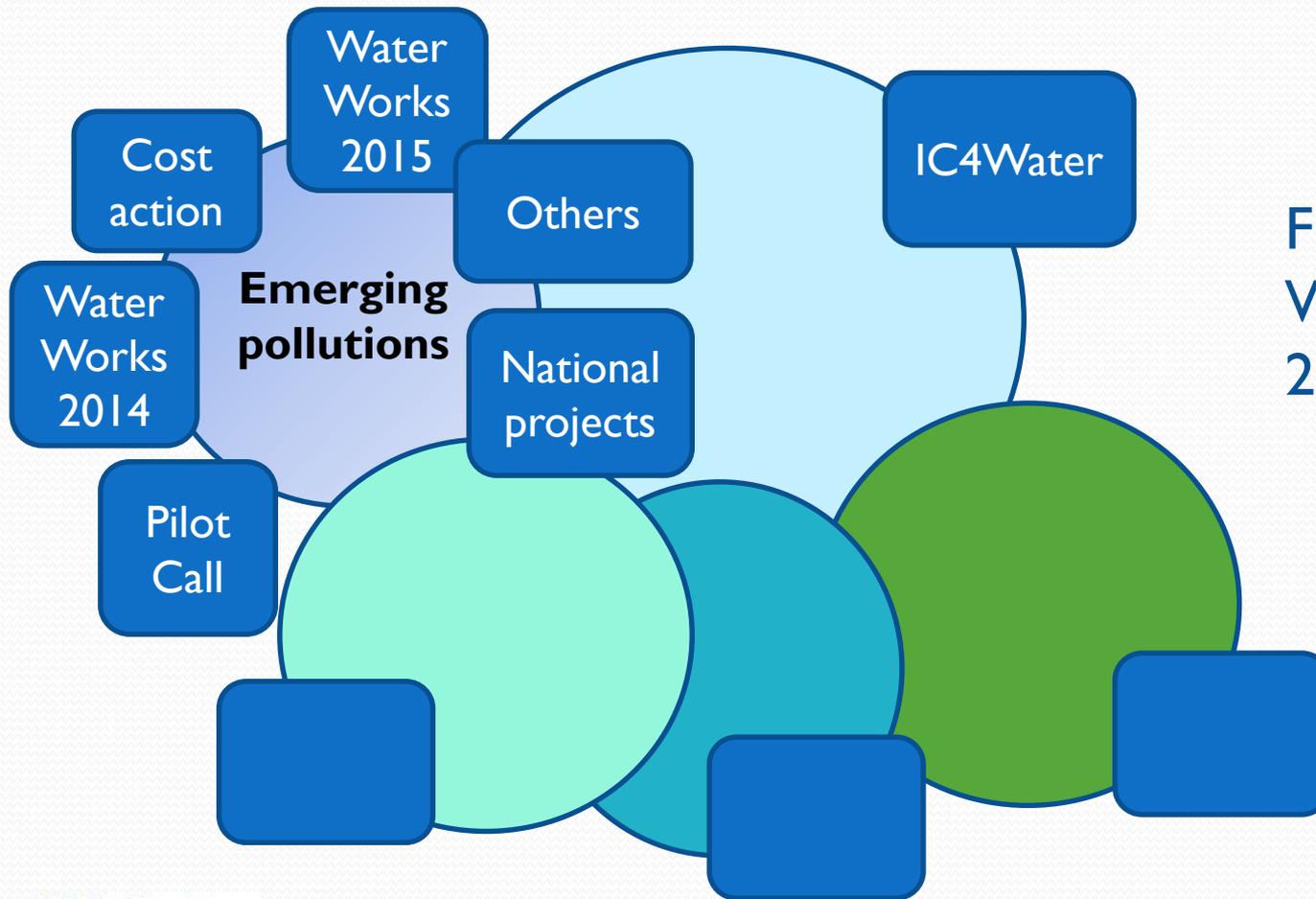


Our expectations for this workshop

- Analyse whether the UN SDG goals are reflected in the Water JPI Strategic Research and Innovation Agenda (SRIA)
 - If any gap identified, would be considered for update of the SRIA
- Identify topics / sub-themes to be addressed in the upcoming cal

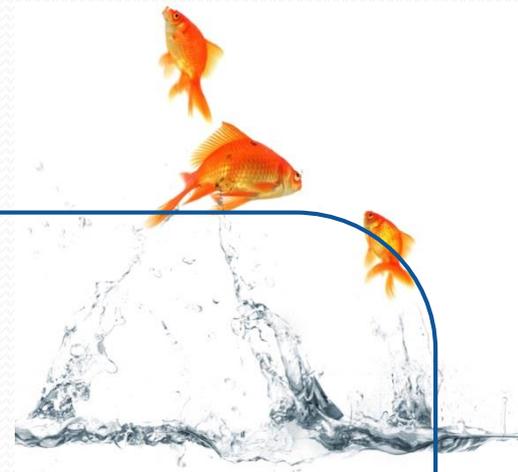
	Theme 1: Improving ecosystem sustainability and human well-being	Them 2: Developing safe water systems for citizens	Theme 3: Promoting competitiveness in the water industry	Theme 4: Implementing a water-wise bio-based economy	Theme 5: Closing the water cycle gap – improving sustainable water resource management
SDG2. End hunger, achieve food security and improved nutrition, and promote sustainable agriculture				+++	
SDG3. Ensure healthy lives and promote well-being for all at all ages.	+++	+++			+++
SDG4. Inclusive and equitable quality education and promote lifelong learning opportunities for all.					+
SDG6. Ensure availability and sustainable management of water and sanitation for all.		+++	+++		+++
SDG7. Ensure access to affordable, reliable, sustainable and modern energy for all.			+		
SDG9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.		++	+++		

Water JPI Knowledge hubs



FIRST KH:
Work launched the
22 March 2017

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