



The Water JPI

Joint Programming Initiative
Water Challenges for a Changing World

Updates on activities

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Increasing the value and impact of national investments in research and innovation

Research Funding in Europe

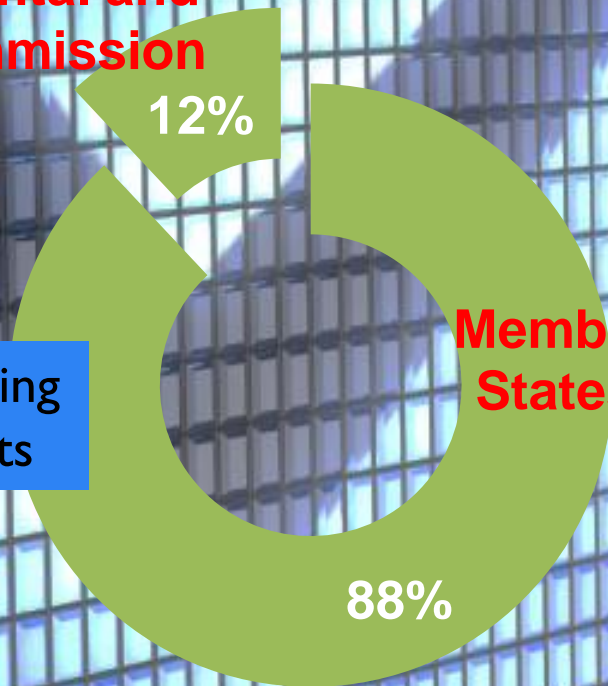
**Intergovernmental and
European Commission**

12%

**Member
States**

88%

JPIs ensure leverage of existing national funding investments



Joint Programming

- ▶ Is a new way for tackling Current Grand Challenges with (at least) European dimension
 - ▶ An initiative of **European Member States** and the **European Commission**
 - ▶ in a structured 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
 - extending links to various international initiatives.

Implementation principles

- ▶ Shared Strategic Research (and Innovation) agendas agreed by members, long term visions
- ▶ Variable geometry Countries only participate in activities of their specific interest
- ▶ Flexibility Developing activities responding to partners' needs and opportunities through range of tools
- ▶ Everything in Common, except Funding (each JPI partner funds its activities, its communities participation)

Water Challenges

Scarcity, stress, pollution, management, reuse



Water, the first mineral
resource to be exhausted
on the blue planet



Water JPI - Sustainable water
systems for a sustainable economy

Watch the [Movie!](#)

Water JPI Membership

 Water JPI Members
 Water JPI Observers

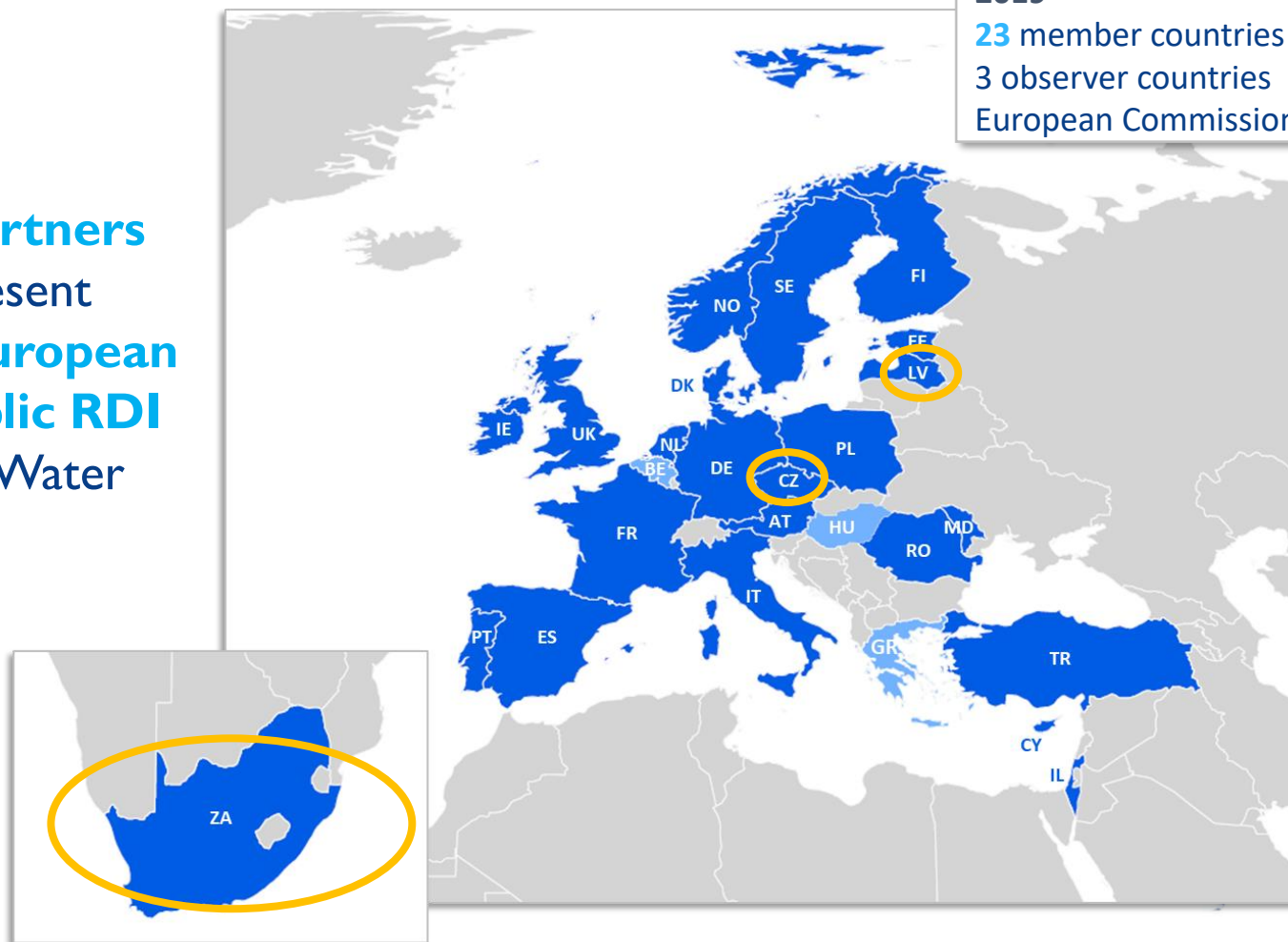
2019

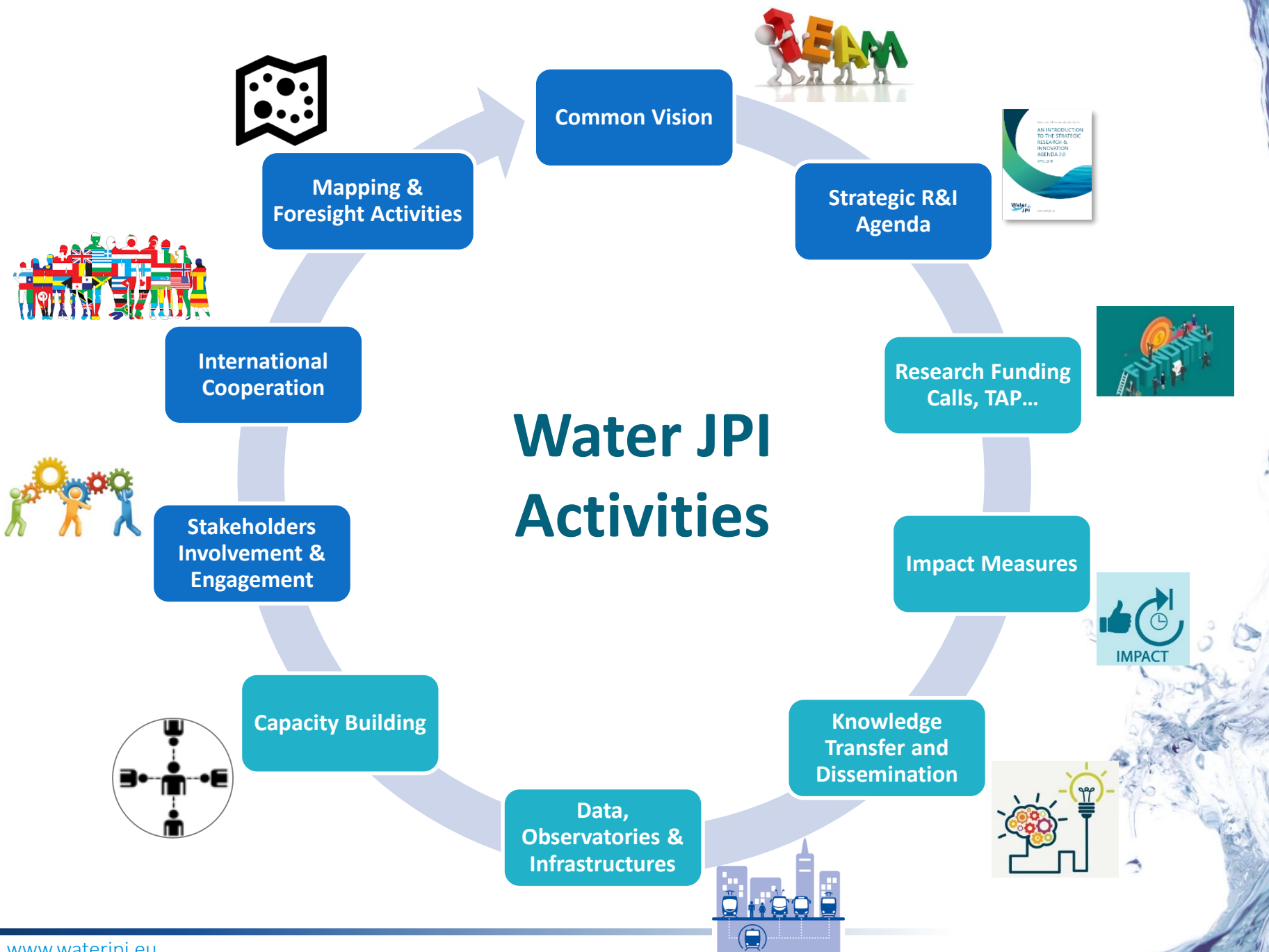
23 member countries

3 observer countries

European Commission

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





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



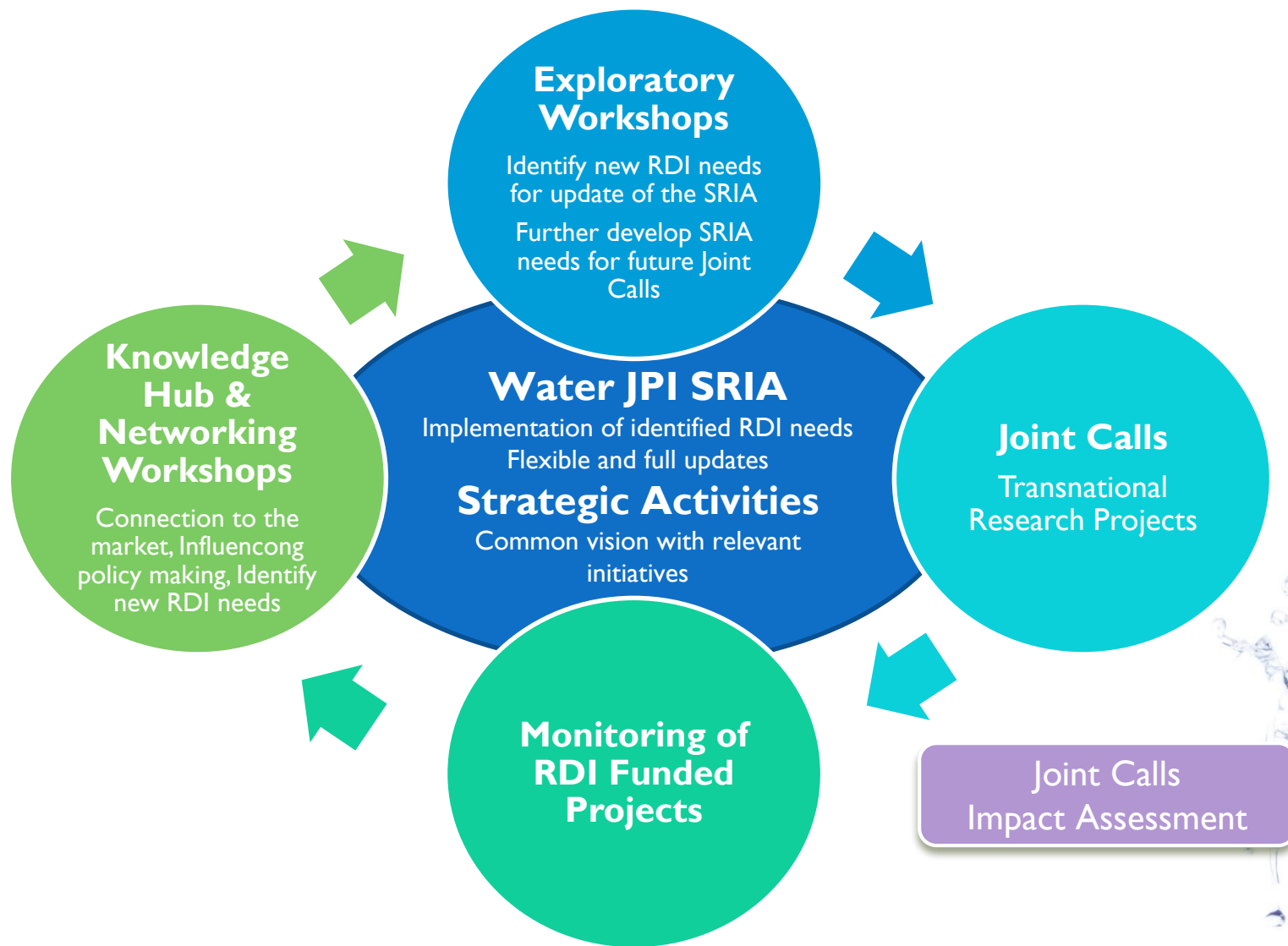
Theme 5
Closing the
Water Cycle
Gap
Improving
Sustainable
Water
Resources
Management



SRIA 2.0

(5 themes and 11 sub-themes)

Thematic Activities



Water JPI Joint Transnational Calls 2013-2017



Improving ecosystem
sustainability and
human well-being



Safe water systems
for citizens



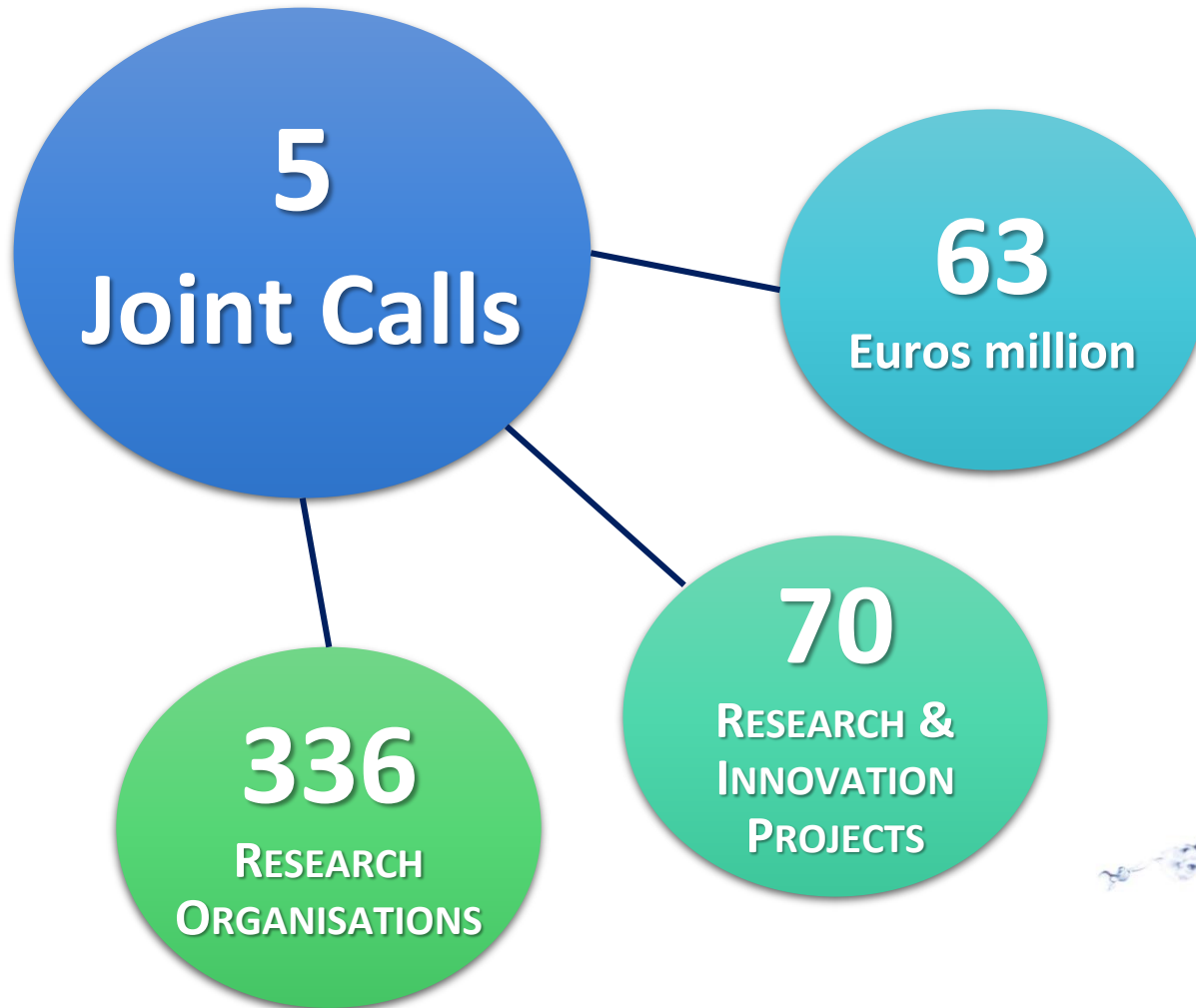
A water-wise bio-
based economy



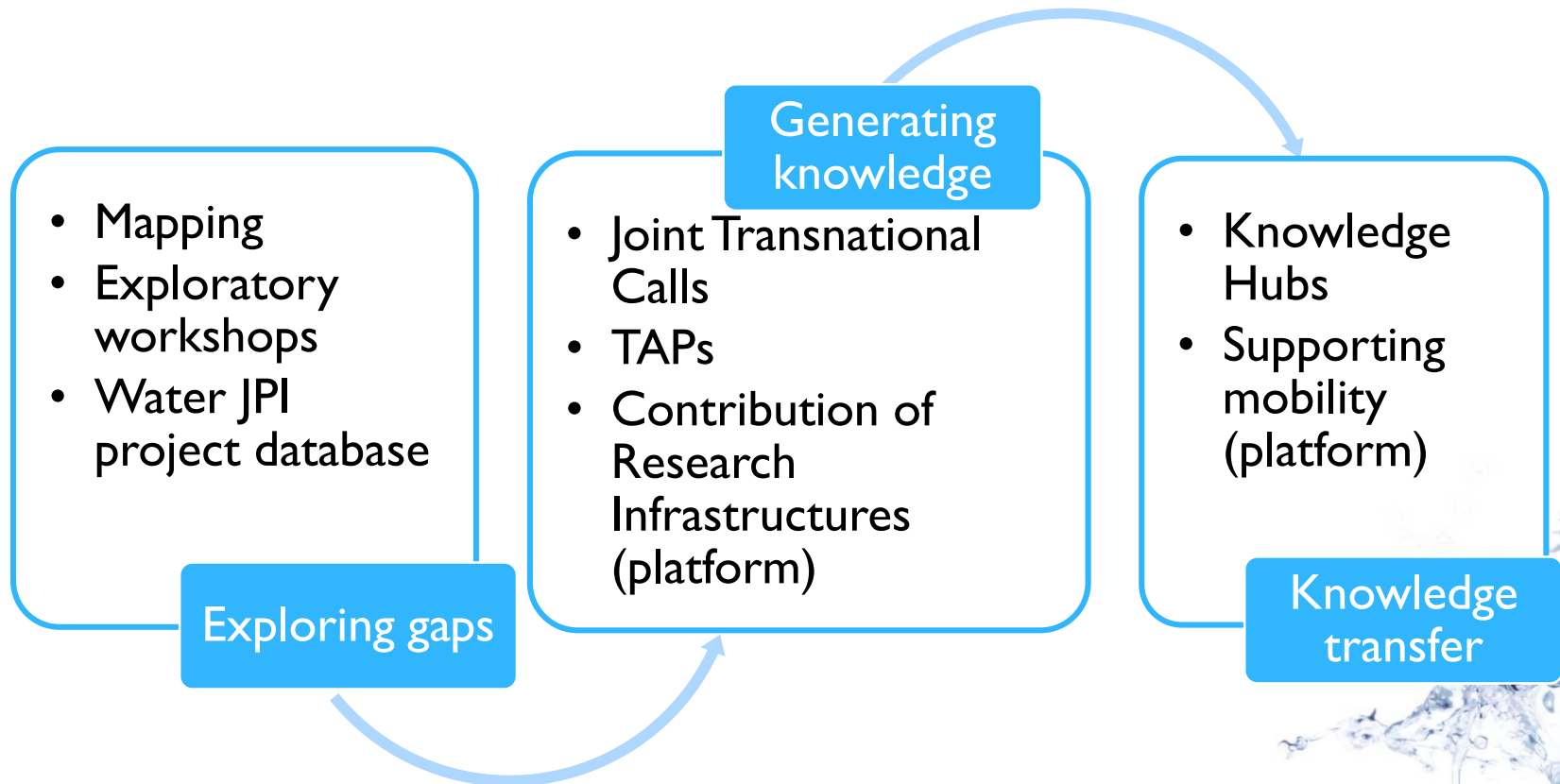
Closing the water
cycle gap



Competitiveness in
the water industry



Clustering researchers/programmes on a specific topic of the SRIA



What is contaminating our waters next?

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

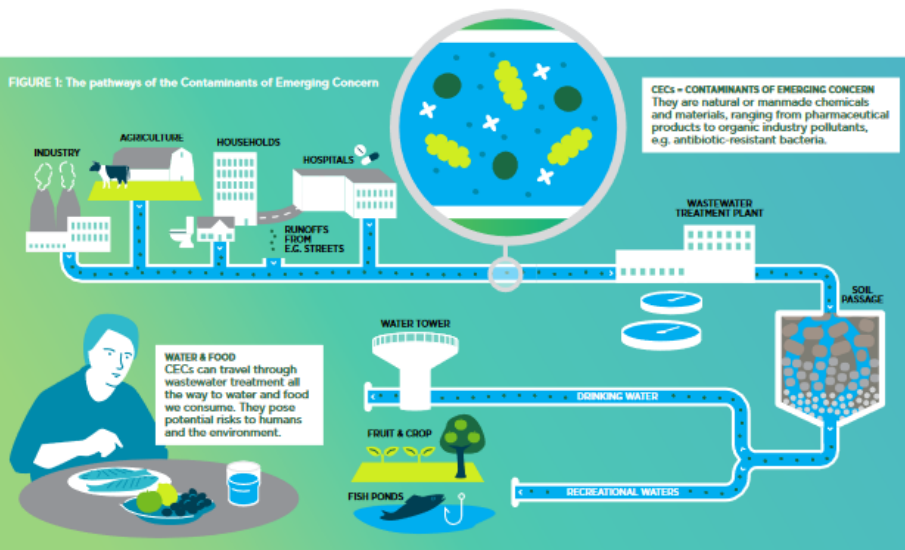
CECs are a rising problem in the waters we use. Contaminants of emerging concern (CEC) is a designation that can be attributed to contaminants that appeared recently or that are present in the environment for some years, but which only recently have raised the concern about their ecological or human 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".



First Water JPI Policy Brief

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

Mapping Beyond Europe

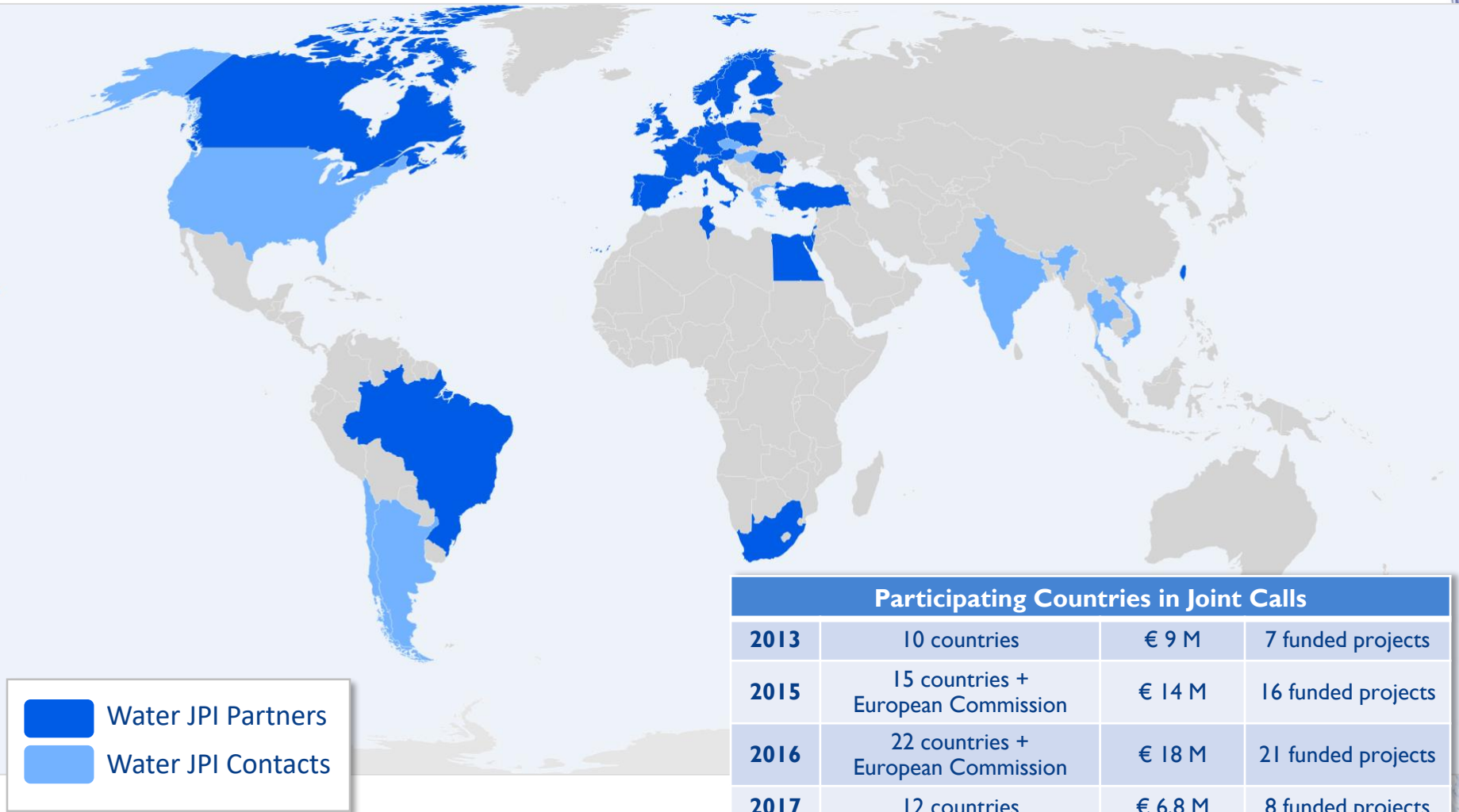
- ▶ Mapping of RDI activities in 7 targeted countries and first contacts with research funding organisations to invite them to participate in the ERA-NET

- ✓ Brazil
- ✓ Canada
- ✓ China
- ✓ India
- ✓ South Africa
- ✓ USA
- ✓ Vietnam



Criteria: Scientific excellence, development and market

Global Partnership



Coordination and Support Action International Cooperation on Water

Strategy Activities

Strategy for enlarging Water JPI network and the dialogue platform

Building the Public – Private Partnership for developing & implementing research and innovation programme

Implementation Activities

Knowledge Hub development

Joint activities on a shared topic for the achievement of UN sustainable development goals related to water (UN SDGs) – including Joint call without top-up

For more information...



- Website : 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
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