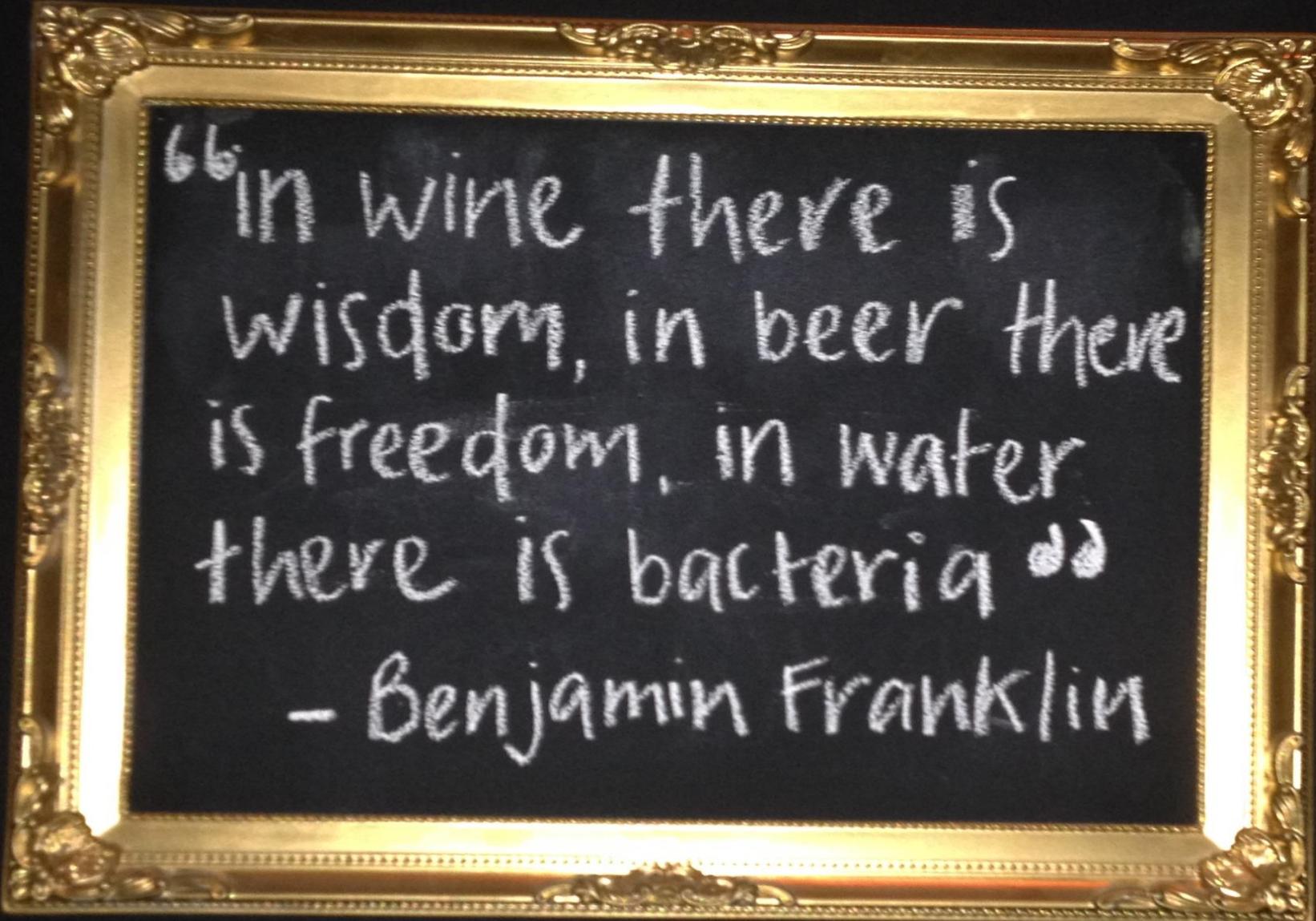


the Water JPI and International Cooperation



**Dominique
DARMENDRAIL,
Water JPI Coordinator
Roma
19 May 2016**



“In wine there is
wisdom, in beer there
is freedom, in water
there is bacteria”
- Benjamin Franklin

Main Objectives of the Water JPI and Activities to Realise

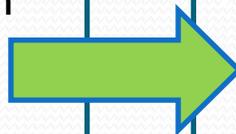
OBJECTIVES

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

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

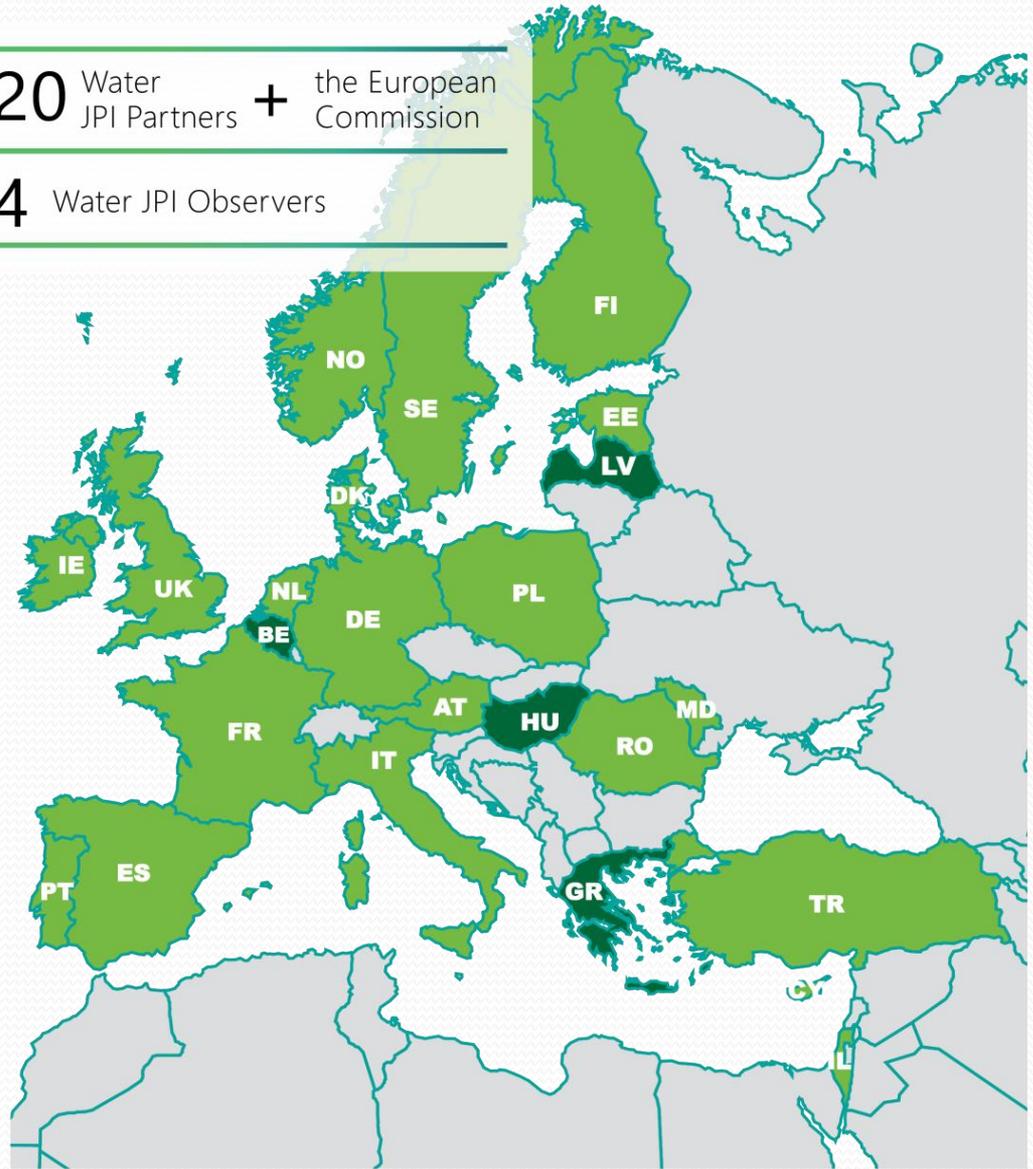
Alignment of Research Agendas (SRIA Document and Implementation Plan) and RDI activities (including mapping activities and infrastructures)

International Cooperation (MoUs, Call Partnerships...)

Water JPI Partner Countries

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

20 Water JPI Partners + the European Commission
4 Water JPI Observers



Water JPI / International partners

Water JPI already has Members in several EFTA countries, enlargement countries and countries covered by the European Neighbourhood Policy



- Bibliometric studies for identifying existing cooperation with:
 - Other EFTA / Neighbourhood Policy countries
 - Industrialised countries and emerging economies
 - Developing countries

International Cooperation

- Mapping of RDI activities 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

Cooperation challenges

STRENGTHS

- Common Water challenges: policy-making & RDI
- Well-established cooperation with some countries (bilateral or multilateral, networks of researcher communities)
- Access to existing knowledge, expertise and research infrastructure

WEAKNESSES

- Complexity of cooperation (different existing funding models, different evaluation criteria, different funding rates, different S&T competences...)
- Greater role of end user (e.g. enterprise, community or state) in joint research and implementation

International Cooperation Challenges

OPPORTUNITIES

- Solving societal challenges by reaching RDI critical mass and better RDI structuration
- Market opportunities for innovative technologies and methodologies
- New types of joint actions (Calls, knowledge hubs, observatories and infrastructures, mobility schemes, ...)

THREATS

- Still quite fragmented water Research and Innovation with insufficient information
- More bilateral cooperation vs. proving added value of multilateral cooperation
- Timing for preparation and decision on joining international multilateral activities

Our Wishes, long-term cooperation partnership agreements



On Joint Actions such as

- Shared strategic research agenda
- Joint calls
- Demonstration programmes or launch of demonstration platforms
- Access to key infrastructures, observatories
- Knowledge hub (including development of policy briefs, innovation factsheets)
- Joint events / conferences / workshops / webinars
- Brokerage events / roadshows
- Training and capacity building
- Mobility schemes (for researchers, for research programmes managers)
- Connections with leading research networks (e.g. COST Actions)

Joint Calls 2013-2016

Pilot Call

*Emerging
freshwater
contami-
nants*

€8 million

WaterWorks 2014

*Water
Treatment,
Reuse,
Recycling
and
Desalination*

€14 million

with South Africa

WaterWork s2015 (with FACCE)

*Water
and
Agricul-
ture
challenges*

**€ 25.5
million***

With Canada, Egypt, South Africa,
Taiwan, and Tunisia

**2017?
2018?**

*Topics to
be defined*

**€XX
million**

Water JPI Joint Calls in the future

- **IC4WATER Call** – *Proposed* / topic in relation with UN SDGs
- **WaterWorks2017** – Closing the Water Cycle Gap – Sustainable management of water resources

Looking into the agenda... 5 Themes

Maintaining
Ecosystem
Sustainability



Developing Safe
Water Systems for
Citizens



Implementing a
Water-wise Biobased
Economy



Promoting Competitiveness
in the Water Industry



Closing the Water
Cycle Gap



A new Coordination Action – International Cooperation on Water

Strategy Activities

Strategy for enlarging Water JPI network and the dialogue platform

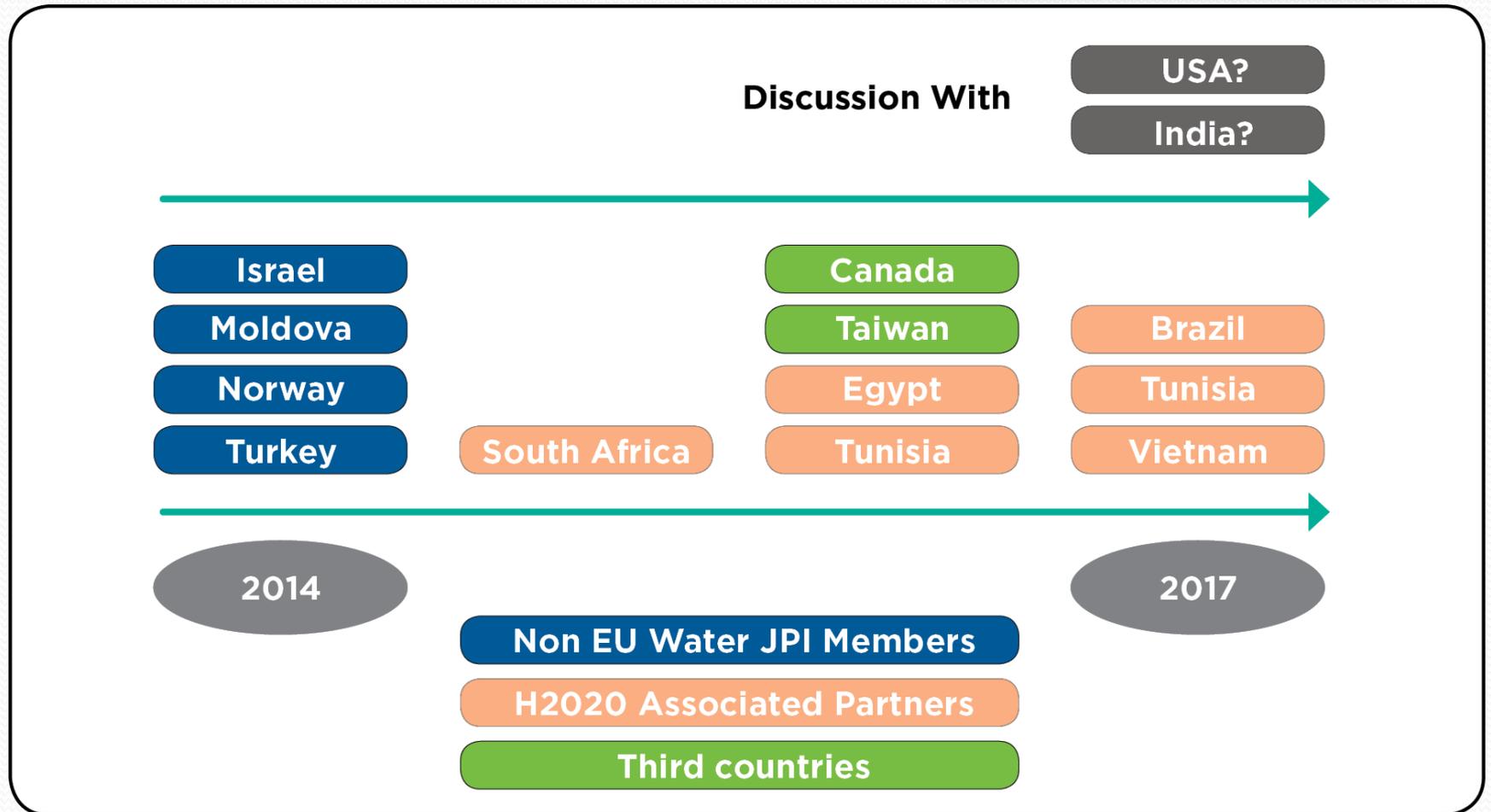
Building the Public – Private Partnership for developing & implementing research and innovation programme

Implementation Activities

Knowledge hub development

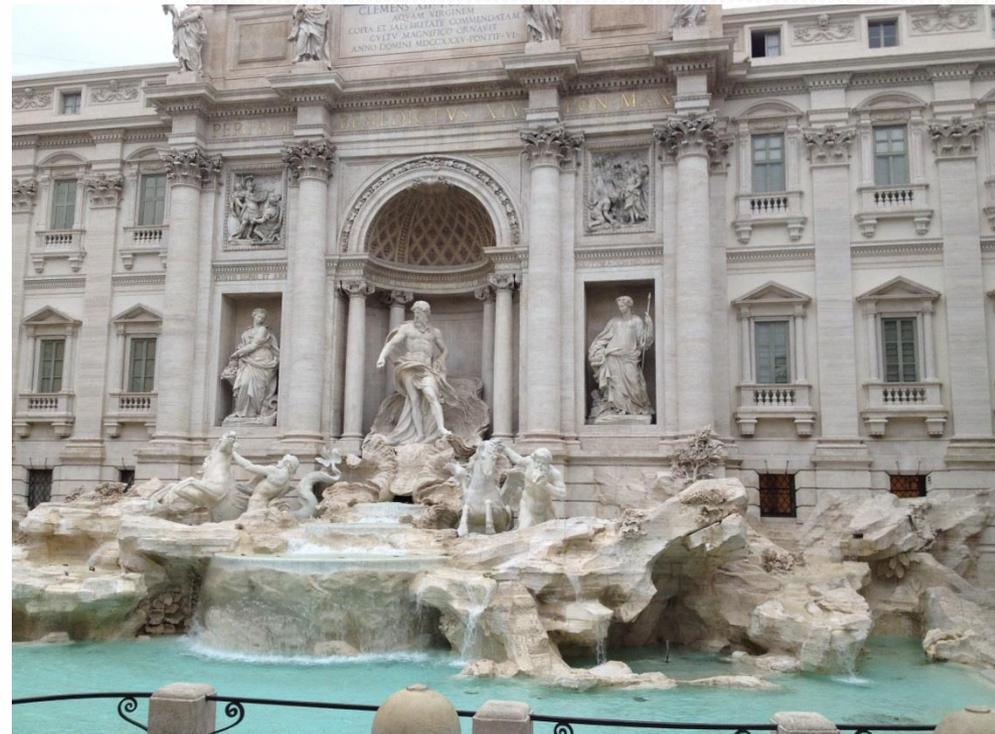
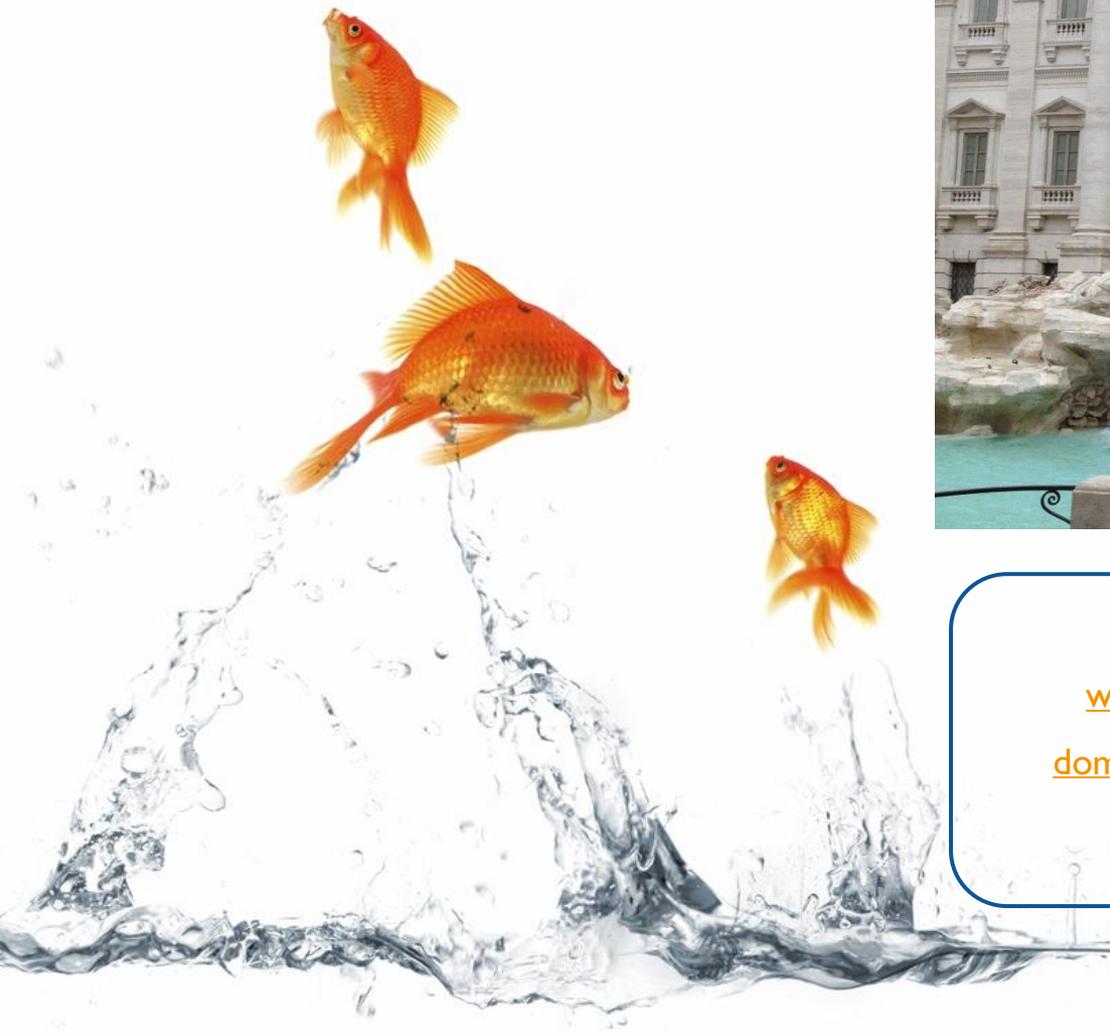
Joint activities on a shared topic for the achievement of UN sustainable development goals related to water (UN SDG) – including Joint call without top-up

+ BONUS, PRIMA,
+ Afri-alliance, LEAP
Africa, etc.



Progression of international cooperation from 2014 to 2017

Thanks to all for your attention!



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ANR