

# Water JPI

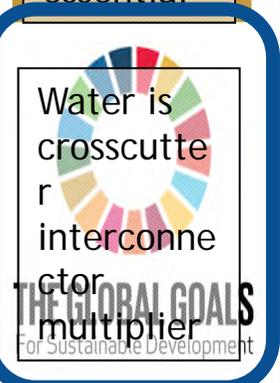
## Water Challenges for a Changing World



2018 Water JPI Workshop  
Strategy for International  
Cooperation  
19/09/2018, Vienna

# UN SDGs

Water is crosscutter, interconnector, multiplier (© S. Rekolainen)

<b>1 NO POVERTY</b> Fundamental role of water	<b>2 NO HUNGER</b> 70% of all water use	<b>3 GOOD HEALTH</b> Water-borne diseases 1.5M deaths/y	<b>4 QUALITY EDUCATION</b> Education links closely to water and health etc	<b>5 GENDER EQUALITY</b> Much gender disparity exists around water	<b>6 CLEAN WATER AND SANITATION</b> 
<b>7 RENEWABLE ENERGY</b> 96% biomass & hydropower	<b>8 GOOD JOBS AND ECONOMIC GROWTH</b> Water's role is fundamental to economy	<b>9 INNOVATION AND INFRASTRUCTURE</b> Water infrastructure is essential	<b>10 REDUCED INEQUALITIES</b> Water and healthy environment for all	<b>11 SUSTAINABLE CITIES AND COMMUNITIES</b> Water services and clean environment is essential	<b>12 RESPONSIBLE CONSUMPTION</b> Water infrastructure is essential
<b>13 CLIMATE ACTION</b> Most energy is transmitted by water	<b>14 LIFE BELOW WATER</b> Aquatic ecosystems	<b>15 LIFE ON LAND</b> Key role of water	<b>16 PEACE AND JUSTICE</b> Water has many functions	<b>17 PARTNERSHIPS FOR THE GOALS</b> Water is involved and important	 Water is crosscutter interconnector multiplier THE GLOBAL GOALS For Sustainable Development





Common Vision

Strategic R&I Agenda



Research Funding Calls, TAP...



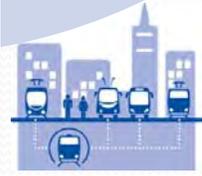
Impact Measures



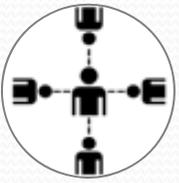
Knowledge Transfer and Dissemination



Data, Observatories & Infrastructures



Capacity Building



Stakeholders Involvement & Engagement



International Cooperation



Mapping & Foresight Activities



# Water JPI Activities



# Water JPI Membership

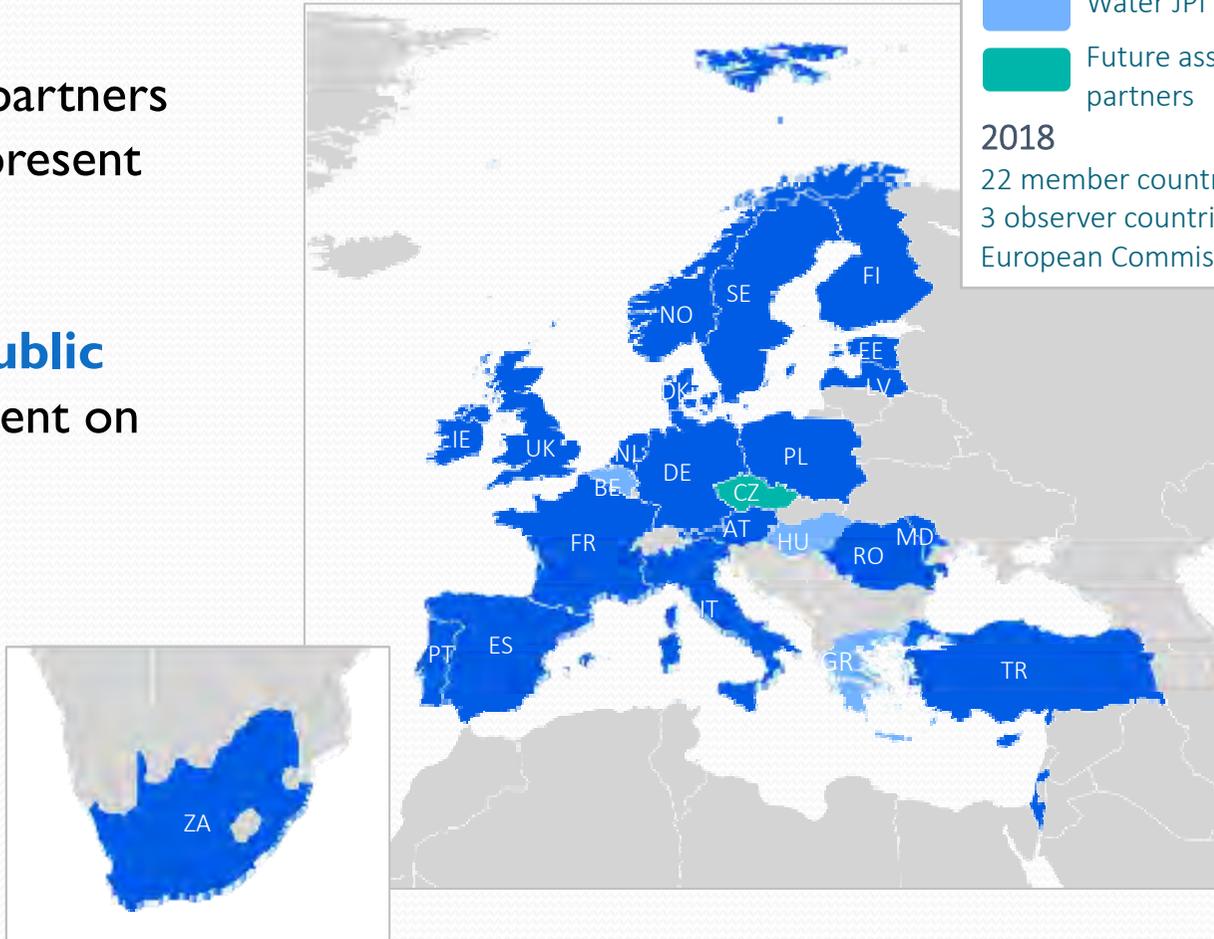
**Water JPI** partners currently represent **88% of the European National Public RDI investment on Water**

Legend for Water JPI Membership:

- Water JPI Members (Dark Blue)
- Water JPI Observers (Light Blue)
- Future associated partners (Green)

2018

- 22 member countries
- 3 observer countries
- European Commission

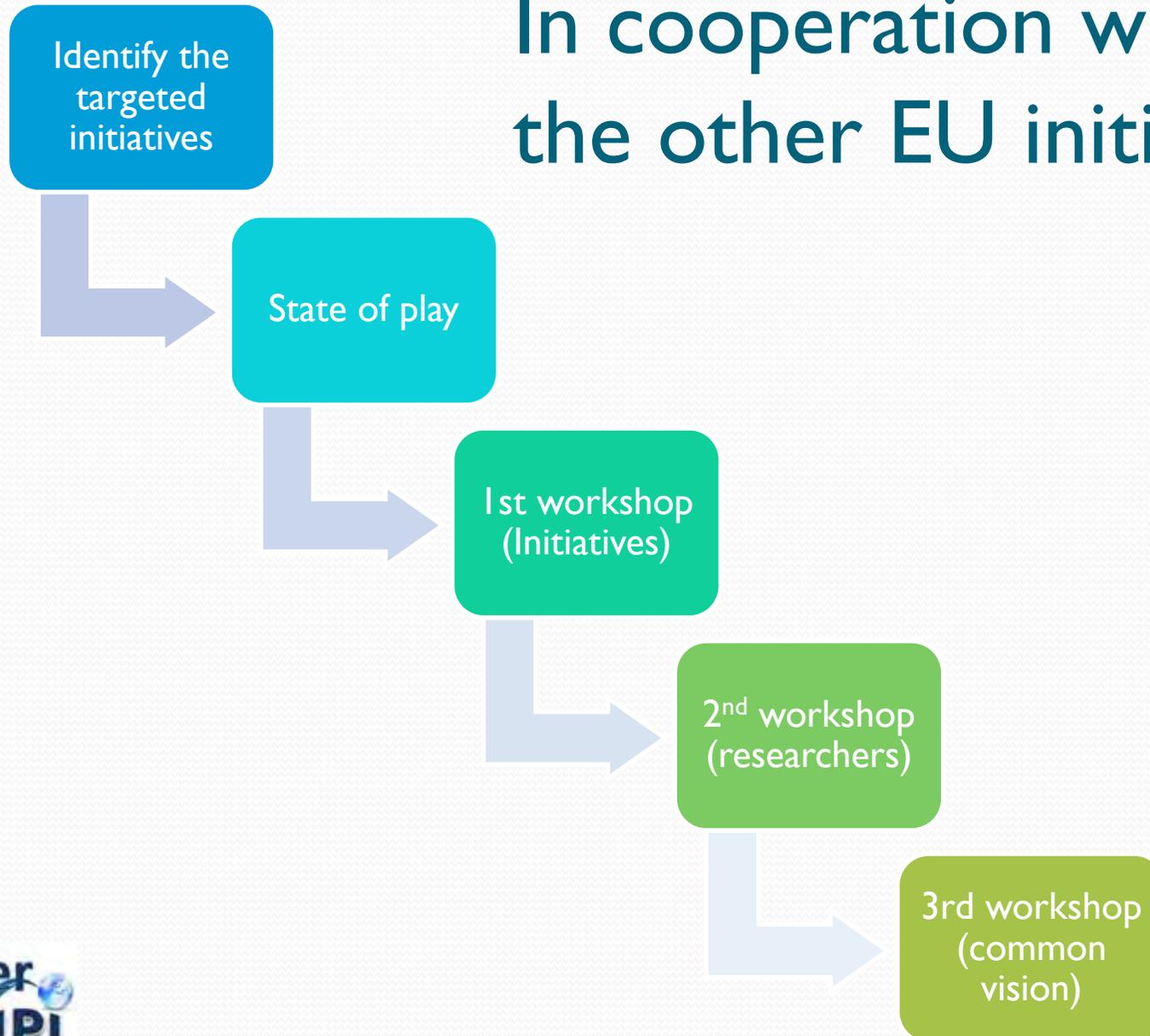


# International Cooperation CSA

- Stepping up the international RDI cooperation between the Water JPI and Beyond Europe countries through all JPI activities
- Enabling framework for the Water JPI implementation through a set of activities and iterative coordination
- Identifying opportunities for future research cooperation with international partners, both from the public and economic sector,
- Enhancing the Water JPI networking for further expansion
- Developing a more efficient knowledge transfer
- Supporting the Water resources management Policies, in particular the post-2015 sustainable development agenda with the UN SDGs' implementation



# In cooperation with the other EU initiatives



# Aims of this first workshop

- Establish a permanent dialogue with these institutions, initiatives and organisations, in order to avoid overlap, ensure information flow and foster a multiplicative effect of international cooperation activities
  - i.e. 10 JPIs chairs' position part on the 2015 Lund declaration
  - critical that this is discussed, shared and coordinated at the European level
- Moving forward to joint and complementary actions

# Workshop Agenda



9:00 – 9:15	Welcome Adress	Dominique Darmendrail
9:15-10:30	Pitches from European initiatives	All initiatives
10:50 – 11:30	Views from <ul style="list-style-type: none"><li>• GPC</li><li>• DG Research and Innovation</li><li>• UN Water</li></ul>	Leonidas Antoniou Panagiotis Balabanis Federico Properzi
11:30 – 12:30	Group Discussion	All

# Workshop Agenda



13:30 – 16h15	Break-out discussions on key issues identified <ul style="list-style-type: none"><li>• Why this is needed?</li><li>• Common experiences – key lessons learnt</li><li>• Common barriers and Possible Solutions</li></ul>	All
16:15-16:30	Recap of the Break-out Discussions	Rapporteurs
16:30-16:45	Introduction of next steps and to Workshop 2	Alice Wemaere

# The Water JPI Pitch



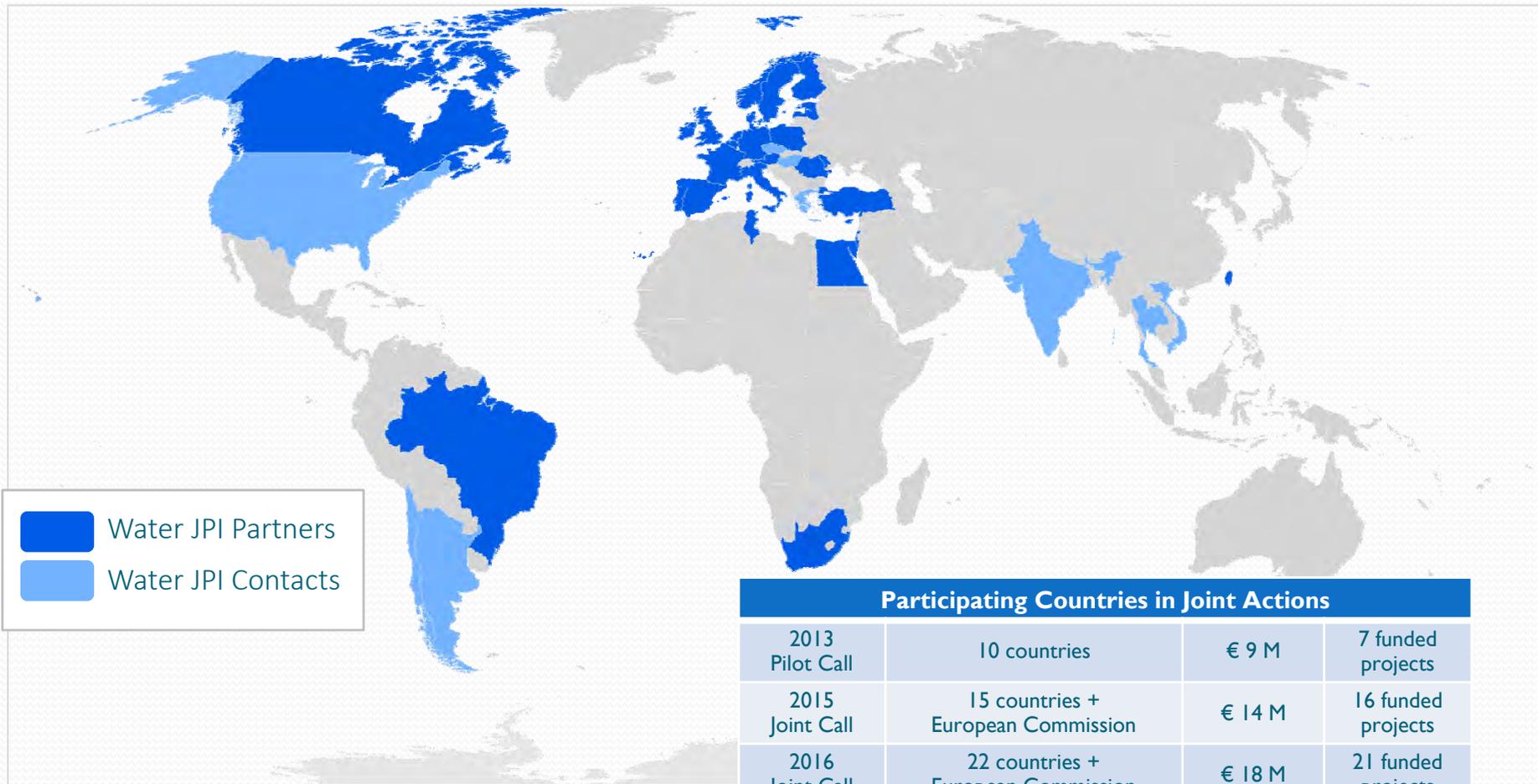
# Mapping Beyond Europe

- 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



# Moving Global

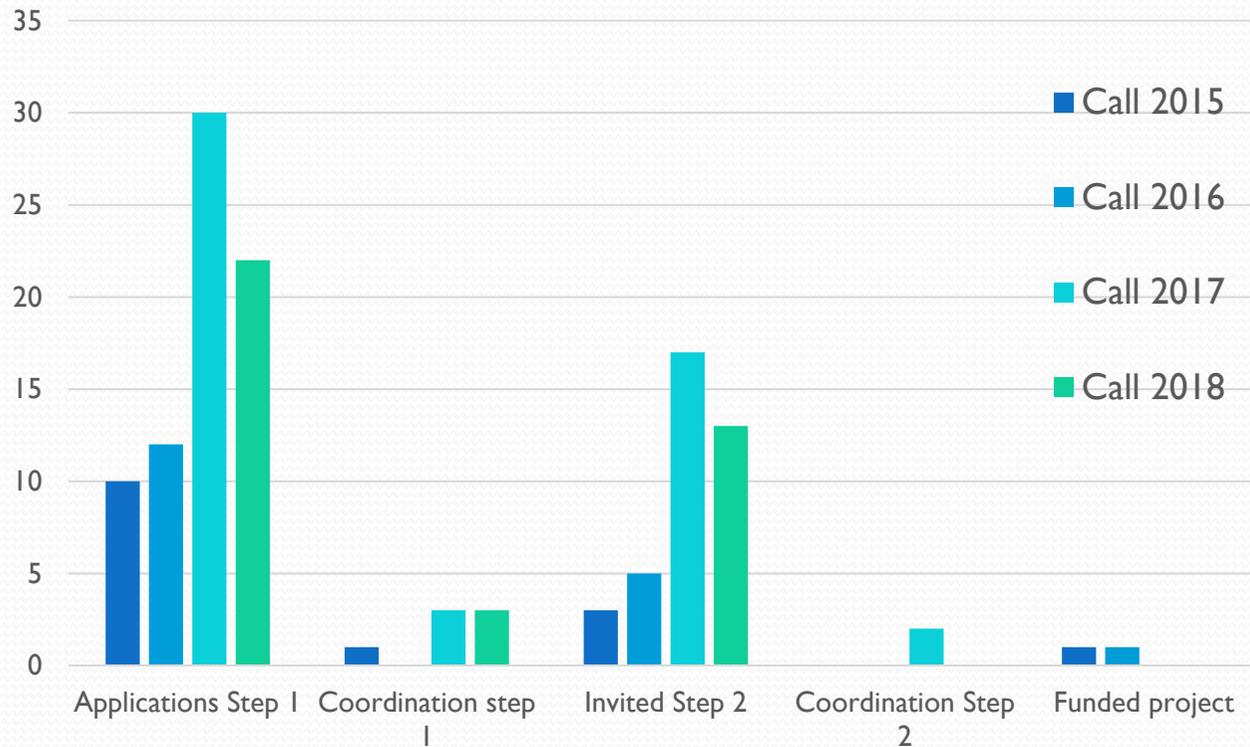


 Water JPI Partners  
 Water JPI Contacts

Participating Countries in Joint Actions			
2013 Pilot Call	10 countries	€ 9 M	7 funded projects
2015 Joint Call	15 countries + European Commission	€ 14 M	16 funded projects
2016 Joint Call	22 countries + European Commission	€ 18 M	21 funded projects
2017 Joint Call	12 countries	€ 8,55 M estimated	<i>evaluation step 2</i>
2018 Joint Call	18 countries + European Commission	€ 19,3 M estimated	<i>submission Step 2</i>



# South African participation

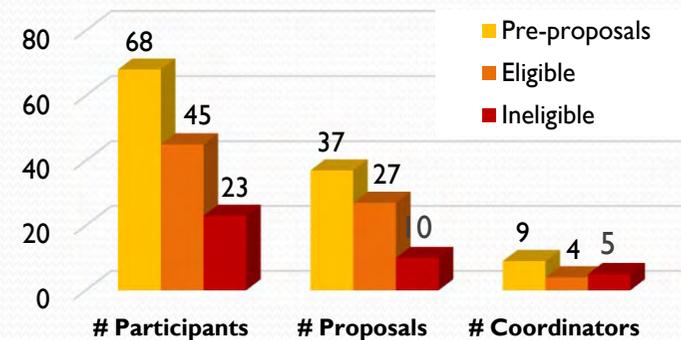
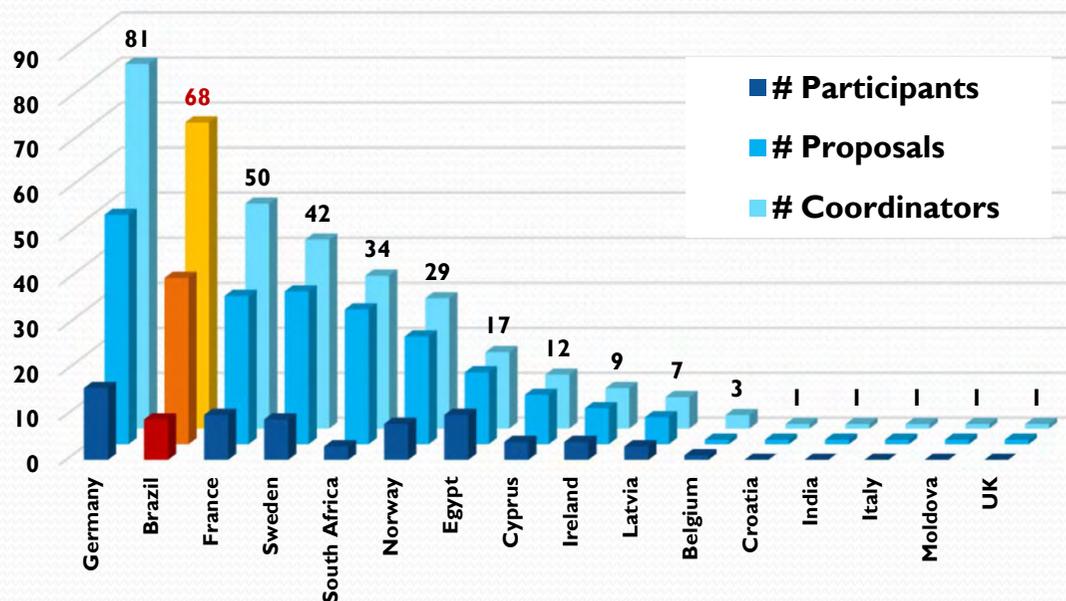


**Also involved in WW2015 & WW2017 Additional Activities**



# 2017 JOINT CALL

## 67 Pre-proposals submitted



**357** partners in total  
**Total requested budget €59,6M**

FAPs with eligible proposals:

FACEPE, FAPEAL, FAPEAM, FAPEG, FAPEMIG, FAPERN, FAPESC, FAPESP, FAPESPA, FAPESQ, FUNCAP, Fundação Araucária





## Knowledge Hub

**Existing Projects**  
Water JPI Projects  
National Experts  
EU Projects

## TAP

**National Projects**  
New (& Existing)

## Workshops - Exploratory & Networking

**Water JPI/ EU /  
National Projects**  
New (& Existing)

**Clustering of Projects/Researchers - Network of Excellence  
within a specific RDI area identified in the Water JPI SRIA**

**Mobility & Infrastructure Interactive Platform to facilitate Access /Sharing**

# Challenges & Bonuses

- Complexity of cooperation (different funding models, frameworks, policies, etc)
- Still quite fragmented water Research and Innovation
- More bilateral cooperation vs. proving added value of multilateral cooperation
- Timing for preparation and decision on joining international multilateral activities
- Greater role of end user in joint research and implementation

- - 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, ...)
- Access to existing knowledge, expertise and research infrastructure

# To know more about the Water JPI...



- A website : [www.waterjpi.eu](http://www.waterjpi.eu)
- A Newsletter – Subscribe on line!
- Social Media
- LinkedIn - Water JPI researcher forum group (1340 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 1 78098120





# JPI Urban Europe



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

## Research and innovation initiative driving urban transitions towards sustainable and liveable urban futures

**‘...to be the European platform to create, combine, discuss and make available knowledge and robust evidence for sustainable urban solutions.’**

- 20 European countries participating
- ~ 85 million Euro public investment in research and innovation 2012-2018
- 70+ projects funded
- 25+ European funding agencies cooperating
- Cooperation schemes with Belmont Forum and China

# Involvement to-date

- Joint Call with Belmont Forum 2017 – 15 projects funded
- Strategic exchange on aligning priorities

Exchange with NSF on future cooperation

- Pilot Call 2018
- Cooperation framework with 3 MoUs in place

Exchange with FINEP on future cooperation

- China**  
Joint call under development, relationships with various organisations established (funding agencies, research organisations, urban planning organisations)
- Argentina, Australia, Brazil, Japan, Mexico, Qatar, USA, South Africa, Switzerland, Chinese Taipei**  
Joint call related to Belmont Forum and SUGI
- New Zealand, India, Canada**  
Exploration of cooperation opportunities
- JPI Urban Europe**  
Members  
Austria, Belgium, Cyprus, Denmark, France, Germany, Italy, Netherlands, Norway, Slovenia, Sweden, United Kingdom
- Observers  
Latvia, Poland, Portugal, Romania, Spain, Turkey

# Key Challenges & Bonuses

- **Long-term planning**  
create environments for building trust and strategic knowledge
- **Create cooperation models that fit urban needs**  
develop funding schemes and strategic partnerships to support science-city-industry cooperation
- **Advantage of the diversity of local conditions**  
provide opportunities for experimentation, piloting and learning from good practice globally

# Contact Details

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Chair JPI Urban Europe Management Board

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# JPIAMR

## Joint Programming Initiative on Antimicrobial Resistance



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# JPIAMR

International collaborative platform that:

- **aligns national research funding**
- **coordinates multidimensional antimicrobial resistance research and funding on a global scale**
- **supports collaborative action for filling knowledge gaps on AMR with a One Health perspective.**

By  
2050

Annual deaths due to antibiotic resistance 10 million worldwide

JPIAMR has **27 members**, including South Korea, Japan, India, Egypt, South Africa, Argentina and Canada.

# Involvement to-date

## **Research Coordination and Prioritisation to minimise antibiotic resistance:**

- Strategic Research and Innovation Agenda
- Prioritisation Roadmaps
- 9 Joint transnational calls for research proposals and networks
- Research funding: 65 M Eur (40 projects/300 research groups)
- II Scoping and strategic workshops
- Developing global research networks
- Mapping the AMR research investments global landscape
- Global AMR research projects database
- Align national and international AMR research agendas and funding
- Develop a Virtual Research Institute

# International **AMR** collaborations

## ORGANISATIONS



UNGA, IAGC  
& Call for  
Action

**G20 AMR Global Hub**

G7 Resolutions  
G20 Resolutions  
EU Council Conclusions



World Health  
Organization



## FUNDERS

**CARB-X**



Global Antibiotic Research  
& Development Partnership

A joint DNDI / WHO initiative



innovative  
medicines  
initiative



# Key Challenges & Bonuses



# Contact Details



[www.jpiamr.eu](http://www.jpiamr.eu)



[@JPIonAMR](https://twitter.com/JPIonAMR)



[secretariat.jpiamr@vr.se](mailto:secretariat.jpiamr@vr.se)



# JPI More Years, Better Lives



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

**Demographic Change is one of the grand social and economic challenges facing Europe and beyond.**

**JPI MYBL follows a transnational, multidisciplinary approach to**

- **enhance coordination and collaboration between different research programmes and researchers from various disciplines in order**
- **to provide solutions for the upcoming challenges and**
- **make use of the potential societal change in Europe and beyond.**

# Involvement to-date

## Joint Calls.

- 2017 – “Aging and Place in a Digitising World”
- 2016 – “Welfare, Wellbeing and Demographic Change: Understanding Welfare Models“
- 2015 – “Extended Working Life and its Interaction with Health, Wellbeing and beyond“

## Fast track projects

- 3rd FTP - Demographic Change and Migration (2017)
- 2nd FTP - Understanding Employment Participation (2014)
- 1st FTP - Data Mapping Project (2013)

**NEW: Programme Demographic Change, Equality and Wellbeing**

# Key Challenges & Bonuses

## **Bonuses:**

- **Better coordinate activities relevant to demographic change;**
- **Exchange best practice, pool expertise and financial resources and carry out joint activities;**
- **Have an Impact on national and global agenda setting.**

## **Key challenge:**

- **Multi sectoral character of the national landscapes**
- **Involvement of LMIC**

# Contact Details JPI MYBL

- **Website:** <http://www.jp-demographic.eu/>
- **Contact:** [JPIMYBL@zonmw.nl](mailto:JPIMYBL@zonmw.nl)
- **Social Media:**



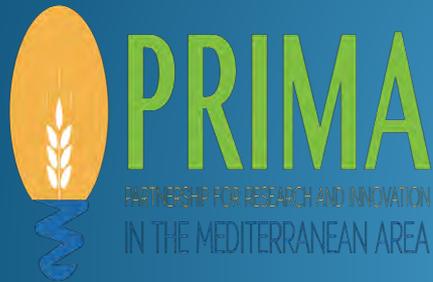
: @jpimybl



: Joint Programming Initiative More Years Better Lives (JPI MYBL)



: JPI More Years Better Lives



# Partnership for Research and Innovation in the Mediterranean Area

*Omar Amawi, PRIMA foundation Deputy Director*



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018, Vienna)

# Description of Initiative

## PRIMA Participating States

Algeria, Croatia, Cyprus, Egypt, France, Germany, Greece, Israel, Italy, Jordan, Lebanon, Luxembourg, Malta, Morocco, Portugal, Slovenia, Spain, Tunisia and Turkey.

### Thematic focus



Integrated and sustainable management of water for arid and semi-arid Mediterranean areas



Sustainable farming systems under Mediterranean environmental constraints



Sustainable Mediterranean agro-food value chain for regional and local development.

### Aim

“Build research and innovation **capacities** and to develop **knowledge** and common **innovative solutions** for agro-food systems, to make them **sustainable**, and for integrated water provision and management in the Mediterranean area, to make those systems and that provision and management more climate resilient, efficient, cost-effective and environmentally and socially sustainable, and **to contribute to solving water scarcity, food security, nutrition, health, well-being and migration problems upstream**”

## PRIMA History

2-3 April 2012

Euro-Mediterranean Conference on Research and Innovation

23 December 2014

Submission of PRIMA proposal to EU Commissioner

June 2015 - July 2016

PRIMA Impact Assessment

May 2016 - February 2018

PRIMA Impact Assessment

3-4 May 2017

Ministerial Conference on Strengthening Euro-Mediterranean Cooperation through Research and Innovation

June 2017 - August 2017

PRIMA Decision

19 June 2017

PRIMA Foundation

September 2017 - January 2018

PRIMA Ex-ante assessment

October 2017 - April 2018

Signature and ratification of International Agreements

6 February 2018

PRIMA Calls for Proposals

# Involvement to-date

## Section I

### Topic 1:

Water reuse and water desalination for agricultural and food production. Type of action (RIA)

### Topic 2:

Improving the sustainability of Mediterranean agro-ecosystems. Type of action (RIA)

### Topic 3:

Implementing innovation in Mediterranean Agro-food chains by smallholders and SMEs. Type of action (IA).

### Total indicative amount allocated to this call:

EUR 18.3 million

**Opening date:** 6 February 2018

### Deadline

Stage 1 Pre-proposals - 17th April, 2018 (17:00h CET)

Stage 2 Full proposals - 17th September, 2018 (17:00h CET)

**Status:** Closed

# Involvement to-date

## Section II

**Topic:**

Multi-topic Transnational call funded by Participating States

**Type of action:**

Research and Innovation Action (RIA)

**Total indicative amount allocated to this call:**

EUR 30 million

**Opening date:**

6 February 2018

**Deadline**

Stage 1 Pre-proposals – 27th March, 2018 (17:00h CET)

Stage 2 Full proposals – 4th September, 2018 (17:00h CET)

**Status:**

Closed

# Key Challenges & Bonuses

PRIMA is a very ambitious joint program to be undertaken in the frame of Euro-Mediterranean cooperation.

European Union Member States, Horizon 2020 Associated Countries and Mediterranean Partner Countries are partners on equal footing basis (**co-ownership, co-management and co-funding**)

This partnership is **financed** through a combination of funding from PRIMA Participating States (currently €274 million), and a €220 million contribution from the EU through Horizon 2020.

PRIMA annual work plans are developed based on the **priorities** described in the PRIMA Strategic Research and Innovation Agenda (SRIA) following a comprehensive consultation process, **involving multiple stakeholders**.

Building on past and ongoing research and innovation experiences and **best practices** in the Mediterranean area achieved in relevant EU projects such as ERANETMED and ARIMNET.

The creation of a strong network of stakeholders from both shores of the Mediterranean with **diverse background** and **mutual trust** that will be strengthened with PRIMA.

# Contact Details



ABOUT US ▾

CALLS FOR PROPOSALS ▾

FIND PARTNERS

REGISTER AS AN EXPERT



PRIMA, a new partnership for inclusive, healthy and prosperous Mediterranean societies

The Partnership for Research and Innovation in the Mediterranean Area will devise new R&I approaches to improve water availability and sustainable agriculture production in a region heavily distressed by climate change, urbanisation and population growth

<http://prima-med.org/>

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# Policies, Innovations and Networks for enhancing opportunities for China Europe Water Cooperation (PIANO)



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

- Create business and social opportunities for EU China Water Cooperation
- Existing EU companies with successful market access in Chinese water sector, both long lasting relations and “newcomers” and keen interest of EU MS in enhancing trade relations with China
- Recently strong drivers due to environmentally favourably policy changes in China “Declaration of War on Pollution”
- China Europe Water Platform as a major initiative that can help to “bundle” cooperation in the water sector between Europe and China
- PIANO aimed at supporting CEWP

# Description of Initiative

- Strengthening and expanding the existing network of the China Europe Water Platform (CEWP) to cover all actors for water research and innovation relevant for China Europe water cooperation.
- Identification of European technological water innovations (TWIs) and areas for joint development of technological solutions that have a potential for implementation in China
- Identification of drivers and barriers, elaborating strategies for overcoming such barriers and taking advantage of drivers for implementation and replication of technological water innovations in China.
- Promotion of knowledge exchange and policy dialogue to build an enabling environment for the uptake of technological water innovations with a great potential for implementation, further replication and market uptake in China.
- Consolidation of a shared strategic research and innovation agenda (SRIA) between Europe and China in the water sector

# Involvement to-date

Project ended on 31 May 2018

Results can be found at project webpage:

[www.project-piano.net](http://www.project-piano.net)

Participant No *	Participant organisation name	Short name	Country
1	University of Natural Resources and Life Sciences Vienna	BOKU	Austria
2	Technical University of Denmark	DTU	Denmark
3	International Office for Water	OIEAU	France
4	Italian National Institute for Environmental Protection and Research	ISPRA	Italy
5	National Laboratory for Civil Engineering	LNEC	Portugal
6	Stockholm International Water Institute	SIWI	Sweden
7	W.S. Atkins International Limited	ATKINS	UK
8	European Water Association	EWA	Germany (pan-European)
9	European Union Chamber of Commerce China	EUCCC	China

1	Chinese Secretariat of the China Europe Water Platform hosted by the Ministry of Water Resources	CEWP-MWR	Beijing
2	Foreign Economic Cooperation Office of the Ministry of Environmental Protection	FECO-MEP	Beijing
3	Development Research Centre of the Ministry of Water Resources	DRC-MWR	Beijing
4	Chinese Academy of Environmental Planning	CAEP	Beijing
5	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	RCEES - CAS	Beijing
6	China Institute of Water Resources and Hydropower Research, Ministry of Water Resources	IWRH - MWR	Beijing
7	Peking University, Center for Water Research	PKU-CWR	Beijing
8	Tongji University, College of Environmental Engineering and Science	TU-CEES	Shanghai
9	Wuhan University, School of Water Resources and Hydropower Engineering	WHU-MOST	Wuhan
10	Institute of Hydroecology, Ministry of Water Resources & Chinese Academy of Sciences	IHE-CAS	Wuhan
11	Institute of Soil and Water Conservation, Chinese Academy of Sciences	ISWC-CAS	Yangling
12	Center for Chinese Agricultural Policy, Chinese Academy of Sciences	CCAP- CAS	Beijing
13	University of the Chinese Academy of Sciences, Sino-Danish Center for Education and Research	UCAS-SDC	Beijing

# Key Challenges & Bonuses

## Main deliverables:

- **Report on European technical water innovations**
- **Reports on case studies of EU companies in China and drivers, barriers and strategies for market access in China (in the water sector)**
- **Policy recommendations and SRIA for EU China water innovation cooperation**

# Contact Details

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**Webpage: [project-piano.net](http://project-piano.net)**

Co-funding of the project by the European Commission within the Horizon 2020 Programme under Grant agreement number 642433 is kindly acknowledged.



# WssTP IWD - International Water Dialogues



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

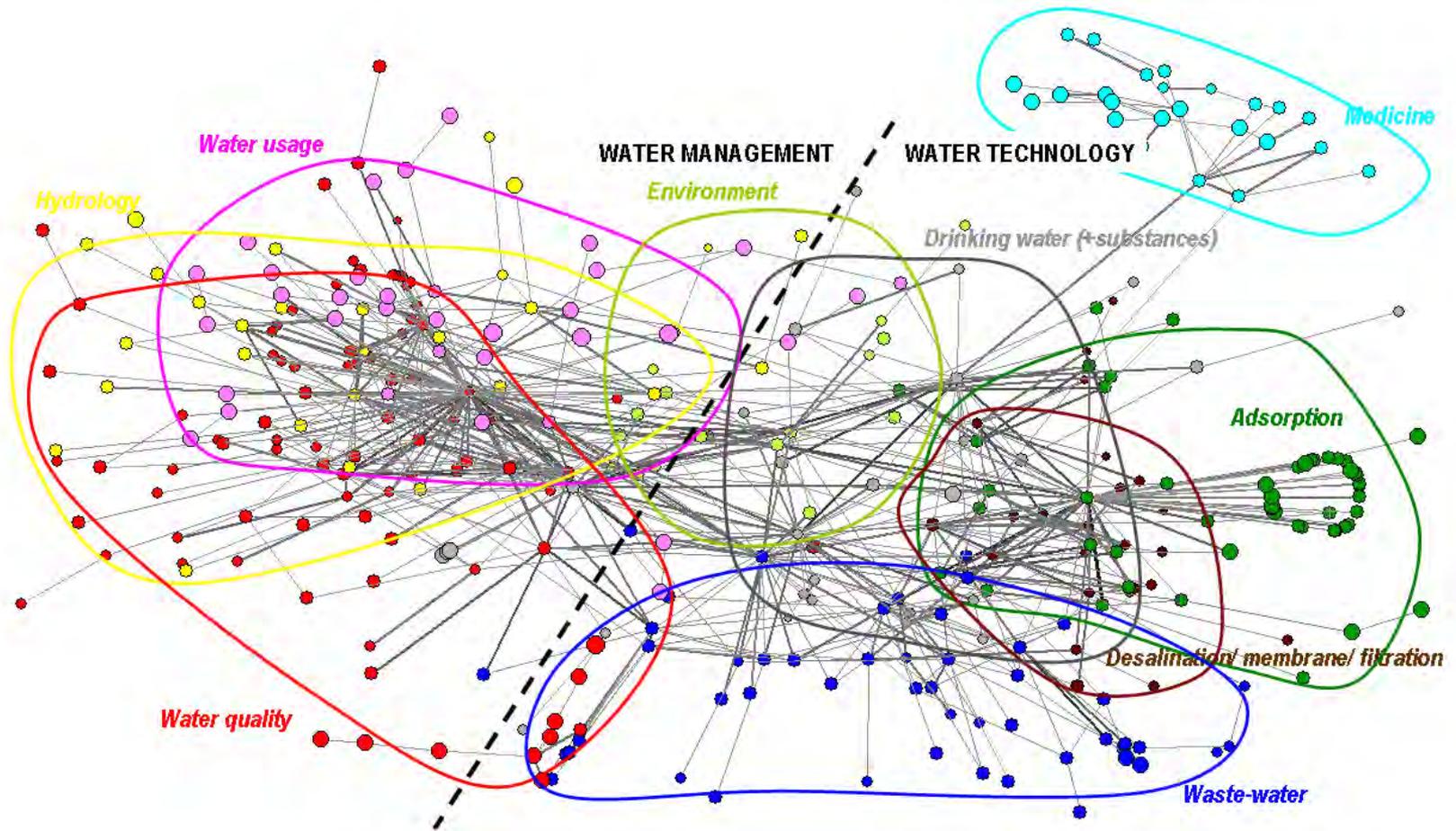
- WssTP IWD
  - Enabler for its members with regards to International Cooperation
  - In line with the WssTP Water Vision and SIRA
  - WssTP follows the lead of the European Commission
- Aims:
  - To present EU partner countries with best water knowledge the EU has to offer
  - To set up a dialogue with counterpart water communities
  - Unlocking the human, technological and financial potential of the water sectors
  - To explore business opportunities

# Involvement to-date

- India
  - EU India Water Partnership (IEWP)
  - Clean Ganga Europe Desk Conference
- China
  - China Europe Water Partnership (CEWP)
  - Qingdao International Water Conference (June 2018)
  - Shanghai Import Export event
- Iran
  - 2 EU missions
  - 'Ardashir' foundation



# Key Challenges & Bonuses



# Contact Details



- Prof Wim van Vierssen
  - overall coordination WssTP IWD
  - WssTP IWD Iran
  - [Vice-president@wsstp.eu](mailto:Vice-president@wsstp.eu)



- Dirk van der Stede (Vito/Vlakwa)
  - WssTP IWD India
  - [dvds@Vlakwa.be](mailto:dvds@Vlakwa.be)



- David Martin (Nalco/ Ecolab)
  - WssTP IWD China
  - [domartin@ecolab.com](mailto:domartin@ecolab.com)



JPI WATER WORKSHOP  
Vienna, 19 Sep. 2018

GPC's Views

# International Cooperation

Leonidas Antoniou

GPC Chair

R P F Cyprus





# Milestones & Evolution

- 2008** Establishment of Joint Programming
- 2009** LUND Declaration
- 2010** 1st wave of 3 JPIs was approved
- 2011** Council approved the 2nd Wave of JPIs
- 2012** Acheson Report
- 2013** Dublin Conference
- 2014** Council Conclusions
- 2015** LUND Revisited
- 2016** Hernani Report
- 2017** Interim Evaluation of H2020 – JPIs LTS
- 2018** Partnerships – HORIZON EUROPE

# Endorsing the Concept of JP



## Communication of the EC (15 July 2008)

- The area addresses a pan-European / **global socio-economic or environmental challenge...**
- **Our non-European partners – both traditional (US, Japan) and emerging (China, India, etc.) - have got the message. ...**

## The Council Conclusions (2 Dec. 2008)

- RECOGNISES that, in **the context of globalisation and the intensification of global competition**, there has been a growing awareness in Europe of the existence of common societal challenges which no Member State is capable of resolving alone...

# Lund Declaration



- The **global community** is facing **Grand Challenges**. The European Knowledge Society must tackle these through the best analysis, powerful actions and increased resources...
- The identification of the Grand Challenges **must engage the major stakeholders including** the European Institutions, business, public services, NGOs and the research community **as well as interaction with major international partners...**

# GPC's Criteria to identify JPIs



- ◉ **Commitment** of MS
- ◉ Theme: addresses a **European/global challenge**
- ◉ Clear and realistic **objectives**
- ◉ **Added value - Benefits citizens / competitiveness**
- ◉ Relevant **Stakeholders** have been involved

## Framework Conditions

- ◉ peer review procedures
- ◉ foresight activities and evaluation of JPI
- ◉ optimum dissemination and use of research findings
- ◉ funding of **cross-border research**

# Acheson Report

- The overall conclusion reached by the Expert Group is that the **JPP has got off to a good start**, although the process can only reach its full potential if commitment and financial support from MS continues.
- MS need to move away from the idea that JP is about bringing new funds to address specific research ideas in single joint calls, to a **realisation that it is about aligning existing national programmes to tackle major societal challenges**.

# Dublin Conference



“By **aligning** and coordinating the institutional and competitive funding committed under national research programmes, which accounts for 88% of the public research in Europe, we can better exploit our resources for maximal societal impact”

*Commissioner Geoghegan-Quinn*

**In the area of international cooperation, JP has the propensity to offer benefits for both sides** (increasing the science base and critical mass), through having a part to play in the global flow of knowledge, as well as politically through enhanced visibility and the identification of new opportunities...

# Council Conclusions



- The Conclusions considered that **the development of the ERA Roadmap should take into account alignment**, where possible, of national strategies and research programmes **with the Strategic Research Agendas of the JPIs**.

## GPC WG - JPIs Progress & Impact

### Self Assessment of JPIs - Factual Descriptor:

- **Attraction Factor** out of ERA.
- **Number of non-EU countries** participating in JPI

# LUND Revisited

## 4 Priority Areas:

- Alignment
- Frontier Research and European Knowledge Base
- **Global Cooperation**
- Achieving Impact on SC



## Priority Actions for GLOBAL COOPERATION

- **Europe needs to connect with partners around the world**, in advanced, emerging and developing countries **to address the grand societal challenges in partnership** and **to attract the world's best** researchers and innovators and private sector investment.

# JPIs' Chair Statement

- **Global / Favor opening of JPIs**, because challenges are global, including with G7, emerging countries and regional initiatives (e.g. Africa, Latin America, Mediterranean area, Asian sub-regions)
- **Global / Ensure a better international coordination between JPIs, MS bilateral cooperation, EC Directorates and ERAC (GPC & SFIC) for strong international leadership**, including large scale programmes and infrastructures, and global attractiveness of Europe.

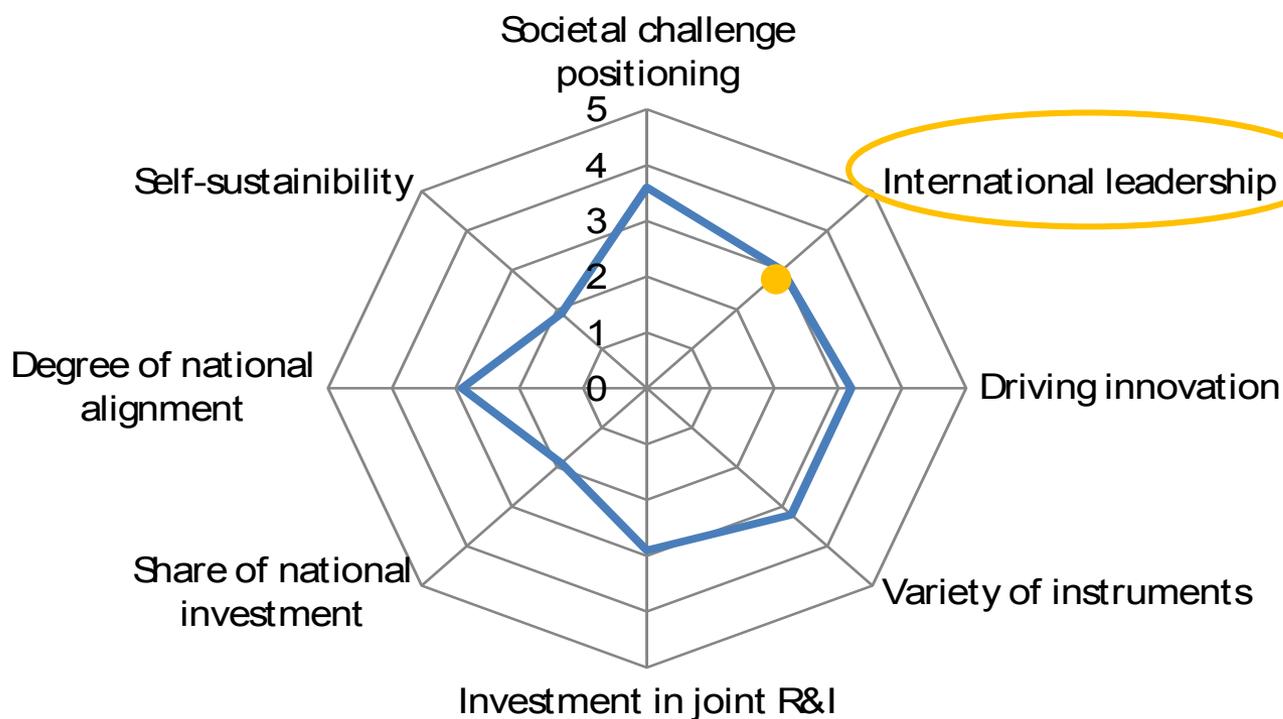


# Hernani Report



Performance Indicator : **International leadership**

**JPI Average**





## Success factor

- “...coordination with other European and international initiatives in the field as a success factor...”

## Example of Good Practice

- « ...JPIs ability to mobilise research resources **beyond Europe behind a common research agenda...** »

## Main Recommendation

- “The deliberations for the next FP offers the option to design and implement a multi-level approach to joint programming leading to a critical mass of **coordinated societal challenge R&D across Europe and at the EU - international level**“

# GPC IG3 “Monitoring and Evaluating JPIs”

Topic dimensions facets		Engagement dimensions facets		Governance dimensions facets		Results dimensions facets	
Value Added	Relevance	Critical Mass	Number of Countries	Value Added	Alignment	Value Added	Societal Benefits
	Societal Benefits		Quality of Actors	Focus	Leadership		R&D&I
	Internationalisation		Track Record		Maturity	Strategic Vision	Internationalisation
	Track Record		Commitment	Leadership		Maturity	Leadership
Focus	Internationalisation	Robustness	Sustainability	Robustness	Strategic Vision	Efficiency	Knowledge Transfer
	R&D&I		Relevance		Commitment		Fragmentation
	Resilience		Track Record		Sustainability		Internationalisation
Structuring Effect	Inclusiveness	Coverage	Quality of Actors	Robustness	Openness	Structuring Effect	Internationalisation
Coverage	Alignment		Inclusiveness		Strategic Vision		Alignment
			Openness				

... setting the international agenda and pushing JPIs as real world-class leaders...



# European Parliament

## Perspectives / Upgrading EU-US Cooperation

Potential for convergence and joint action:

- **Transatlantic Joint Programming Activities via JPIs**

## ERA Roadmap(s)

### P. 6 International Cooperation

**Effective international cooperation with third countries is necessary**, both at national and EU levels, **in order to address grand societal challenges**, ease access to new emerging markets and increase the attractiveness of the ERA for talented minds and investors worldwide



# Horizon 2020 Interim Evaluation

## International Cooperation

- PPP and the JTIIs have either no or very few international participants,
- **P2Ps actions are among the most international types of action** with a third-country participation share at around 5%.

## JPIs

- The **potential for cooperation with international partners** both within and outside of Europe **has been enhanced.**

# GPC Opinion

## on the Future of JP to address SCs

in the context of the mid-term review of Horizon 2020 and the preparation of the FP9.



- The aim is to increase the impact of national R&I investments, foster and test innovative approaches and science-policy cooperation, while reducing fragmentation, **as well as being gateways for scientific excellence, relevance and international cooperation.**

# Analysis of the LTS of the JPIs

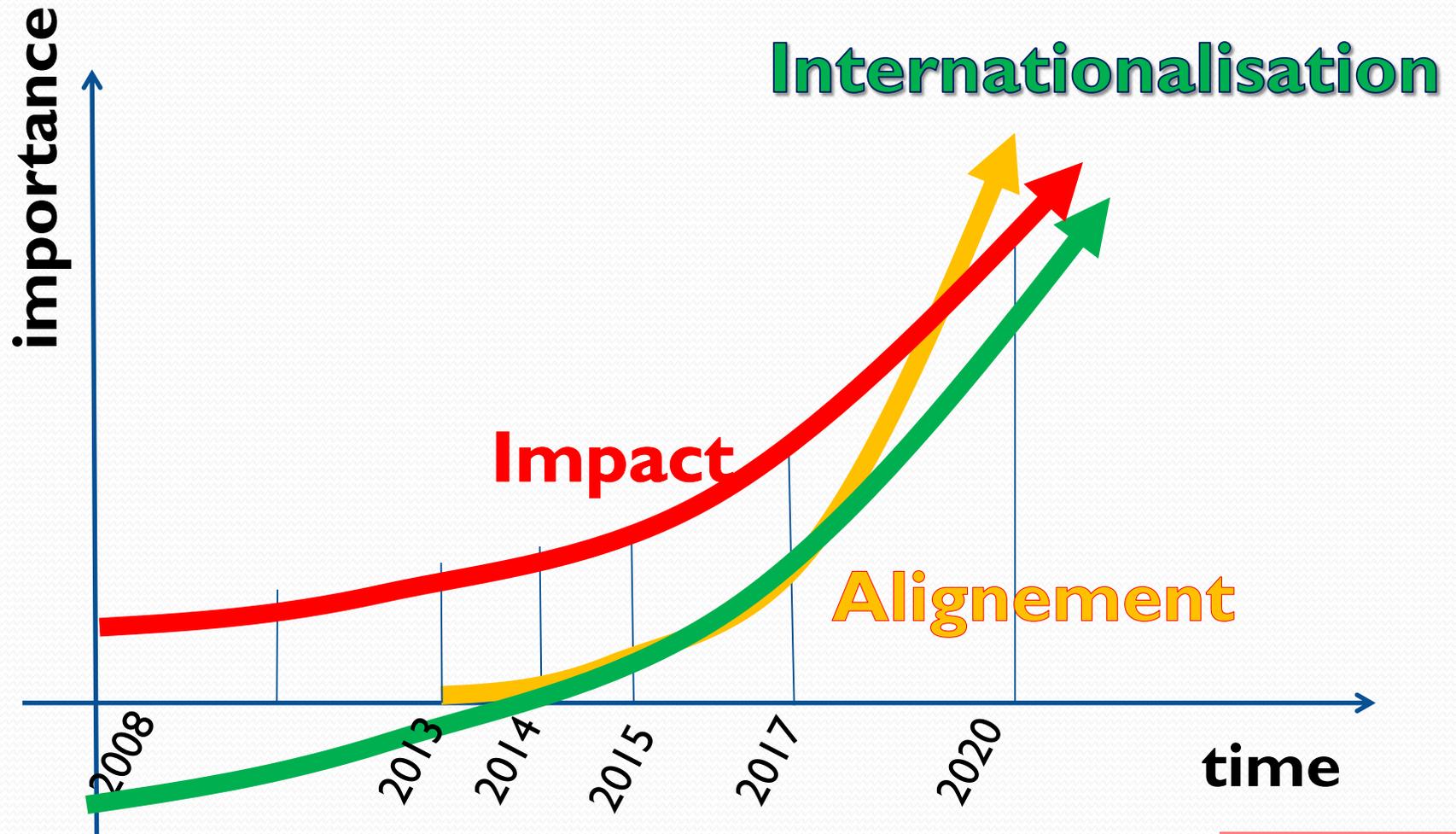
- Many of the JPIs are **internationally recognized and collaborate with stakeholders worldwide**
- A great many of the JPIs have established stable collaboration with partners from countries beyond Europe and thus **strongly contribute to the internationalization of European R&I.**
- JPIs have developed a strong international cooperation agenda, via membership or partnership. **This is an area where Horizon 2020 has struggled and where JPIs constitute Europe's most developed and successful form of initiative.**

# ERAC Ad-hoc Working Group on Partnerships

## "Criteria"

- **Openness:** R&I partnerships should facilitate the participation of new members in the implementation and **with respect to international cooperation at programme and project level...**
- **Impact:** Impacts of R&I partnerships should address scientific, innovation/economic, societal and environmental impacts as well as **international visibility.**

# Evolution & Perspectives



# Conclusions

- ◉ **Acting alone** cannot solve societal challenges.
- ◉ InCo **has become a strategic goal** of JPP and all JPIs

## Positive signs

- ◉ 10 JPIs Statement & JPIs' Long Term Strategies,
- ◉ Evolution : **from competitors to Strategy Integration**

## Challenges

- ◉ Legal barriers to open research programmes
- ◉ Alignment – Synchronization

## Future Opportunities

- ◉ HORIZON EUROPE
- ◉ National ERA Road maps implementation
- ◉ GPC & SFIC Collaboration - Priority 2a & 6 of ERA

- New period with NEW Joint Programming Landscape
- Well prepared - build trust
- InCo one of your advantages
- CETRAL Role

**Malaga**

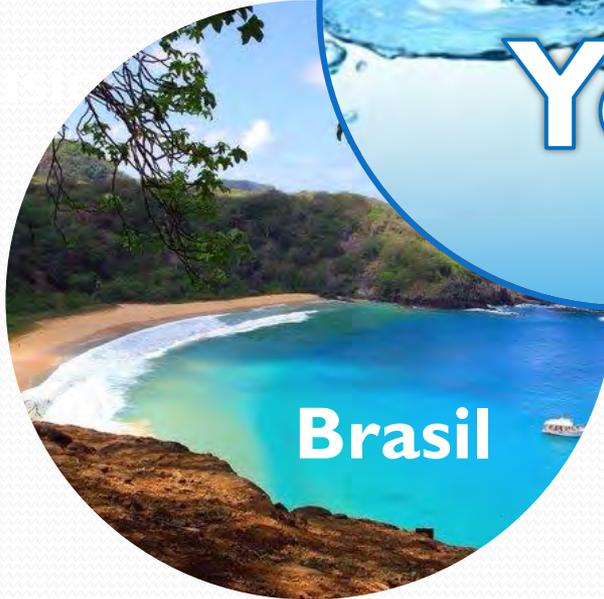


**Cyprus**

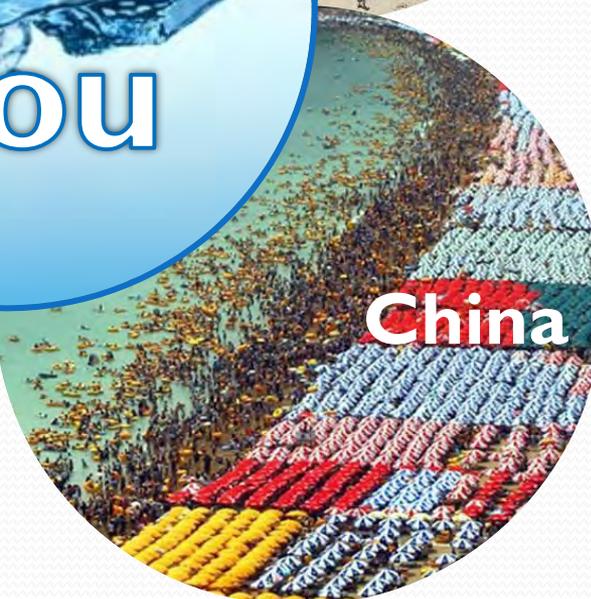


**Thank  
You**

**Brasil**



**China**





# *EU water international R&I cooperation*

*Water Joint Programming Initiative Workshop Strategy  
for International Cooperation  
Vienna, 19 September 2018*



*Panagiotis Balabanis,  
Deputy Head of Unit,  
Eco-Innovation,  
DG Research and Innovation*



# International cooperation in Horizon 2020 – The objectives

- ✓ *Strengthening the Union's excellence and attractiveness in research and innovation as well as its economic and industrial competitiveness*
- ✓ *Effectively tackling common societal challenges*
- ✓ *Supporting the Union's external and development policy objectives, complementing external and development programmes including international commitments and their related goals, such as the achievement of the United Nations' Millennium Development Goals. Synergies with other Union policies will be sought.*



# International cooperation in Horizon 2020 – The channels of dialogue

- ✓ *Structured dialogue – S&T cooperation agreements and implementing arrangements, multilateral dialogue (UNFCCC, GEOSS, etc.)*
- ✓ *Ad-hoc dialogue – Bi-regional and bilateral workshops*
- ✓ *Input from Advisory Groups, Programme Committee, NCP, dedicated coordination and support measures, other EU policies*



# International cooperation in the context of Horizon 2020 SC5

- ✓ *Multilateral cooperation - Belmont Forum (environment, sustainability research), Global Covenant of Mayors (sustainable urbanisation)*
- ✓ *Cooperation with international/intergovernmental organisations - GEO (earth observation), IPCC (climate), IPBES (biodiversity), UNEP (environment), STI Forum (SDGs), International Resource Panel (sustainable use of natural resources)*
- ✓ *Bilateral cooperation - Brazil (sustainable urbanisation and NBS, water, GEO), China (sustainable urbanisation, water, climate), India (water, polar research), Japan (climate, NBS for DRR, GEO), Russia (Arctic, GEO), South Africa\* (water, raw materials, GEO), US (Arctic -trilateral with Canada, climate, GEO)*
- ✓ *Regional cooperation - South Mediterranean (PRIMA – Water, food and agriculture), Africa (Africa Union - Climate, water, GEO) Latin America and the Caribbean (CELAC - Sustainable urbanisation & NBS, biodiversity & ecosystems, water, climate)*



# Global Partnerships – Horizon 2020



## Horizon 2020: addressing international cooperation on global water challenges

- ✓ *Investing in collaborative research and innovation action in the context of Horizon 2020 calls*
- ✓ *Promoting international cooperation in Eranet cofund calls, in particular through JPI Water*
- ✓ *Promoting joint co-funded calls with dedicated countries*
- ✓ *Promoting coordination and support actions for a more strategic cooperation*
- ✓ *Supporting PRIMA*



European  
Commission

# SC5 - Supporting collaborative water research in Africa

- ✓ *Development of water supply and sanitation technology, systems and tools and or methodologies (RIA – 18,3 M EU Contribution): DAFNE, FLOWERED, MADFORWATER, SafeWaterAfrica, VicInAqua, WATERSPOUTT*





European  
Commission

# Promoting coordination and support actions for a more strategic cooperation

- ✓ *PIANO: Policies, Innovation And Networks for enhancing Opportunities for China Europe Water Cooperation*
- ✓ *AfriAlliance: Africa-EU Innovation Alliance for Water and Climate*
- ✓ *IC4WATER: Tackling Water Challenges in the International Context (Water JPI)*
- ✓ *EU –Brazil Sector Dialogues Support Facility : EU-Brazil jointly talking global water challenges*



# Promoting joint co-funded actions with India and China (Flagship Initiatives Horizon WP 2018-20)

- ✓ *SC5-12-2018 EU-India water co-operation (Flagship initiative)*
  - ✓ *Waste water treatment*
  - ✓ *Drinking water purification*
  - ✓ *Real time monitoring and control systems*
  
- ✓ *SC5-13-2018-2019: Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems*
- ✓ *a) Strengthening EU-China collaboration (2018)*
  
- ✓ *SC5-27-2020: Strengthening EU-China cooperation on sustainable urbanisation: enhanced natural treatment solutions for water security and ecological quality of water in cities*



# PRIMA – Partnership for Research and Innovation in the Mediterranean Area

- *Article 185 TFEU – to achieve alignment of national R&I programmes, critical mass of actors and resources, strengthening R&I capacities among all Participating States*
- *Focus in 3 thematic areas: management of water, farming systems, agro-food value chain*
- *19 countries: Algeria, Croatia, Cyprus, France, Germany, Greece, Israel, Italy, Jordan, Lebanon, Luxembourg, Malta, Portugal, Slovenia, Spain, Tunisia and Turkey, Egypt and Morocco*
- *Duration: 2018-2028 (entry into force: 8/2017)*
- *Current Budget: **€494** million*
  - ***€274** million national contributions*
  - ***€220** million EU contribution*
  - *Additional in-kind contributions: **€121,5** million*

# Horizon Europe

is the Commission proposal for a **€ 100 billion** research and innovation funding programme for seven years (2021-2027)



to strengthen the EU's scientific and technological bases



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

**€ 4.1 billion** are proposed to be allocated for defence research, in a separate proposal for a European Defence Fund

# Horizon Europe: investing in R&I to shape our future

- The vision:  
" a Europe that protects,  
a Europe that empowers,  
a Europe that defends"  
*Jean-Claude Juncker*
- Tackling **climate change**  
(35 % budgetary target)
- Helping to achieve **Sustainable  
Development Goals**
- Boosting the Union's  
**competitiveness and growth**



Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>



# International Cooperation

International  
Cooperation

Will ensure effective tackling of global societal challenges; access to the world's best talents, expertise and resources; enhanced supply and demand of innovative solutions

## Extended openness to association

- Third countries with good capacity in science, technology and innovation
- Taking into account objective of driving economic growth in Europe through innovation
- General opening for international participation
- Intensified targeted actions (flagship initiatives, joint calls, etc.)

# Thank you!

**#InvestEUresearch**

More information:

[www.ec.europa.eu/research](http://www.ec.europa.eu/research)

Participant Portal:

[www.ec.europa.eu/research/participants/portal/desktop/en/home.html](http://www.ec.europa.eu/research/participants/portal/desktop/en/home.html)

[Horizon Europe](http://ec.europa.eu/horizon-europe)

<http://ec.europa.eu/horizon-europe>

2018 Water Joint Programme Initiative Workshop  
Vienna, 19 September 2018

# **The 2030 Agenda and the Sustainable Development Goals**

*Why is international cooperation needed?*

Federico Properzi  
Chief Technical Adviser, UN-Water

# UNITED NATIONS WATER



Coordinates the UN's work on water and sanitation for a better world

The whole is **more**  
than the **SUM** of its parts



# What we do



General Assembly meeting of the Opening of the First Meeting of the Open Working Group on Sustainable Development Goals (SDGs). UN Photo/Eskinder Debebe



Rice fields of hill tribes in Sapa, Vietnam. UN Photo/Kibae Park



Student in Ghana celebrates World Water Day 2017. Photo UNIC Ghana

**1. Inform policies**

**2. Monitor and report**

**3. Inspire action**

# SDG 6 Synthesis Report

Sustainable Development Goal 6  
Synthesis Report on Water and Sanitation

2018

## 6 CLEAN WATER AND SANITATION



- Inform HLPF 2018 SDG 6 in-depth review
- The UN delivering as one
  - United Nations copyrights
- Integrating other reports
- Fact-based and policy-relevant to support Member States

# NATURE IS SENDING US A MESSAGE

Raw human waste is turning nature into an open sewer.  
We need more nature-based solutions to the global  
sanitation crisis.

When nature calls, we have to listen.

Take action at [www.worldtoiletday.org](http://www.worldtoiletday.org).



# Upcoming Days

- World Toilet Days
  - 2018: Nature-based solutions
  - 2019: Leaving no one behind
- World Water Days
  - 2019: Leaving no one behind
  - 2020: Water and climate change





# SUSTAINABLE DEVELOPMENT GOALS

**1** NO POVERTY

**2** ZERO HUNGER

**3** GOOD HEALTH AND WELL-BEING

**4** QUALITY EDUCATION

**5** GENDER EQUALITY

**6** CLEAN WATER AND SANITATION

**7** AFFORDABLE AND CLEAN ENERGY

**8** DECENT WORK AND ECONOMIC GROWTH

**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE

**10** REDUCED INEQUALITIES

**11** SUSTAINABLE CITIES AND COMMUNITIES

**12** RESPONSIBLE CONSUMPTION AND PRODUCTION

**13** CLIMATE ACTION

**14** LIFE BELOW WATER

**15** LIFE ON LAND

**16** PEACE, JUSTICE AND STRONG INSTITUTIONS

**17** PARTNERSHIPS FOR THE GOALS

**SUSTAINABLE DEVELOPMENT GOALS**



# The SDGs are...

- A social pact between governments and their people
- **NB: The 2030 Agenda for Sustainable Development** is one of four relevant intergovernmental processes that culminated in 2015:
  - Disaster Risk Reduction (Sendai)
  - Financing for Development (Addis Ababa)
  - Climate change (Paris)

# A brief history from Rio to today

- Rio+20 (June 2012)
  - “water is at the core of sustainable development”
- 2012-2013
  - 9 Global Thematic Consultations
- 2013-2014
  - Open Working Group, technical input on goal and targets
  - Preliminary discussions on indicators, preliminary discussions on SDG 6 integrated monitoring framework
- 2015
  - Intergovernmental Negotiations and Summit in New York, technical input on goal and targets
  - Inter-Agency and Expert Group on SDG indicators, technical input on indicators
  - Developing the SDG 6 integrated monitoring framework
  - Links with Sendai, Financing for Development and Paris COP processes
- 2016-2017
  - Inter-Agency and Expert Group on SDG indicators, refining indicators
  - Testing, review and global data drive of the SDG 6 Integrated Monitoring Initiative
- 2018
  - SDG 6 in-depth review at the High-level Political Forum



# Sustainable Development Goal 6

“Ensure availability and sustainable management of water and sanitation for all”

11.5  
Water related  
disasters

6.4  
Water use  
and  
scarcity

6.3  
Waste-  
water and  
water  
quality

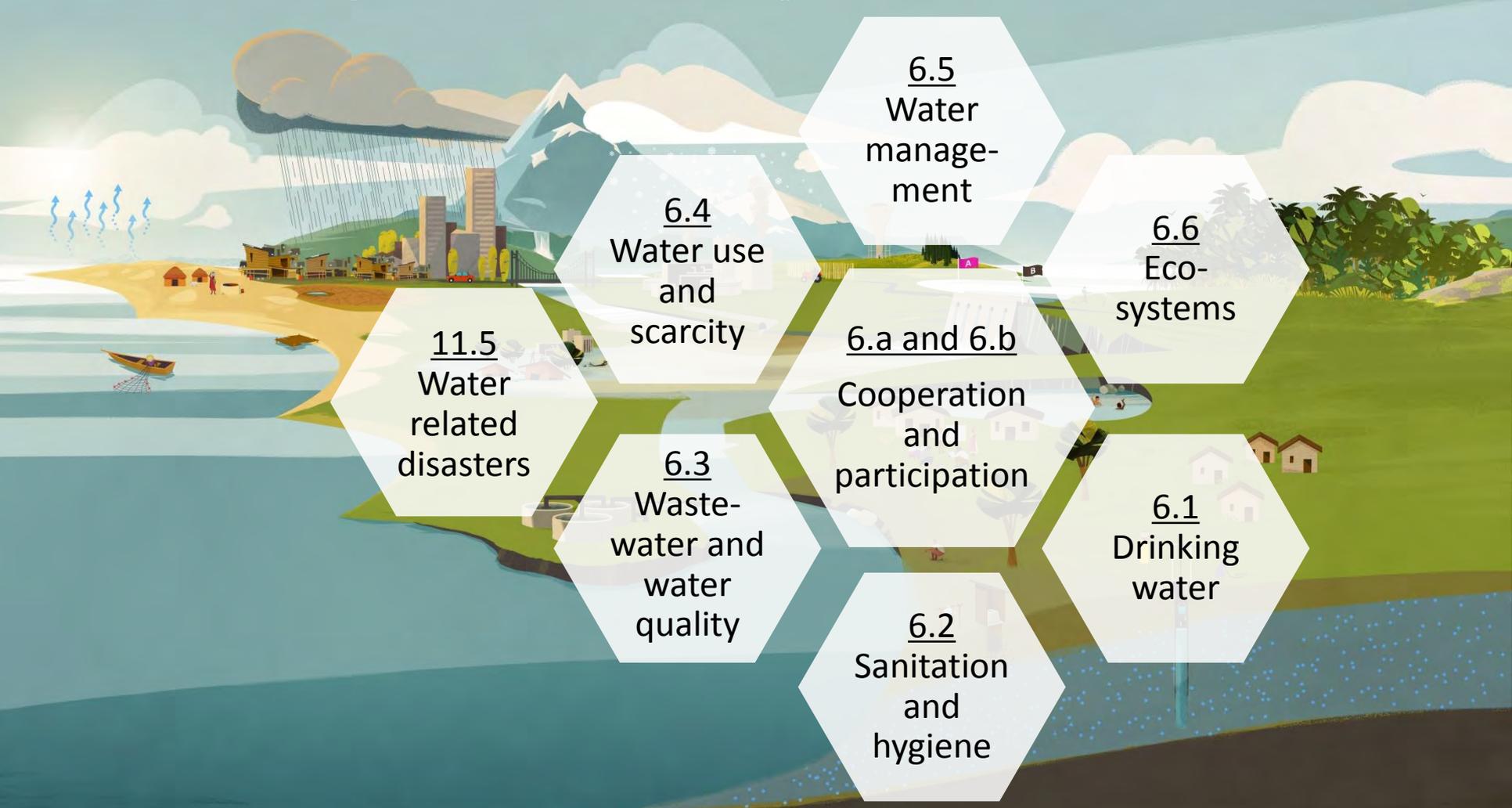
6.5  
Water  
manage-  
ment

6.a and 6.b  
Cooperation  
and  
participation

6.2  
Sanitation  
and  
hygiene

6.6  
Eco-  
systems

6.1  
Drinking  
water



# Why is international cooperation needed?

- Goals are **interlinked**
  - Progress (or lack thereof) impacts other Goals
  - Synergies and trade-offs
- Complex problem needs **matrix response**
- No single stakeholder can fix it alone
- Multi-stakeholder **partnerships are needed** to drive implementation
  - Each stakeholder according to its role (e.g. research, policy-making, financing, implementation, monitoring)





**Thank you**

[federico.properzi@unwater.org](mailto:federico.properzi@unwater.org)

[www.unwater.org](http://www.unwater.org)



**BiodivERsA**



2018 Water JPI Workshop - Strategy for International Cooperation (19/09/2018, Vienna)



# 2018 Water JPI Workshop Strategy for International Cooperation

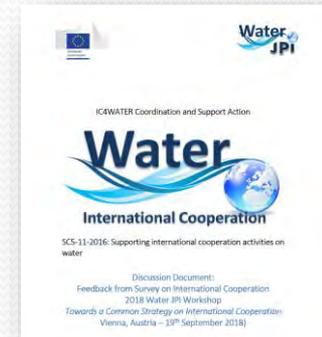


## Next Steps

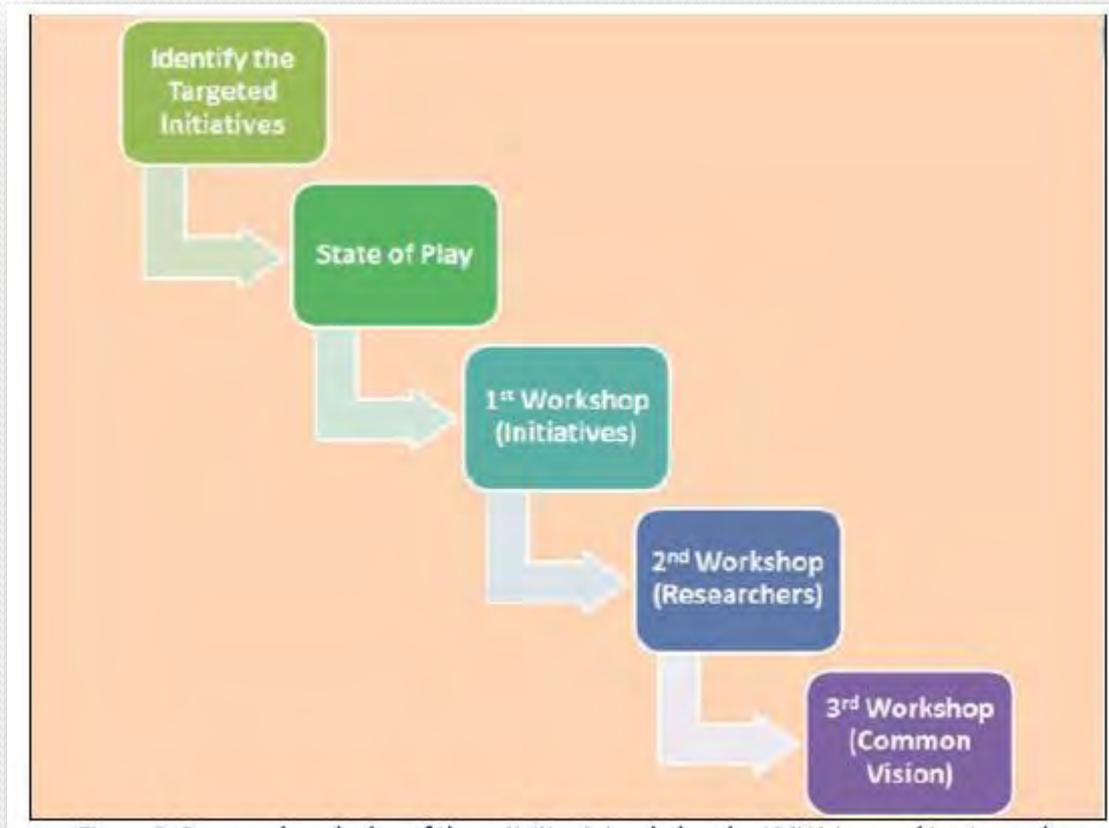
# Next Steps

## Learning from others – Working together

- What are the benefits?’
- How best to go about it?
- What to do different?
- What are the pitfalls to avoid?



# Next Steps



# THANK YOU





SCIENCE FOR A BETTER FUTURE OF THE BALTIC SEA REGION

**BONUS**

# BONUS, the joint Baltic Sea research and development programme



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

**The aim of BONUS programme, launched as Art 185 programme, is to improve the effectiveness of the Baltic Sea environmental research programming and approach by integrating the research activities in the Baltic Sea system into a durable, cooperative, interdisciplinary well-integrated and focused multi-national programme.**

# Involvement to-date

**According to the bilateral agreements with the Russian Foundation for Basic Research (RFBR) and Russian Foundation for Humanities (RFH), these funding agencies have participated in BONUS calls for proposals.**

**BONUS has bilateral agreements also with ICES and Black Sea Commission.**

# Key Challenges & Bonuses

- **Identify right partners**
- **Agreeing on procedures, time-frames**

**Baltic Sea research is  
unconceivable without  
including Russia**

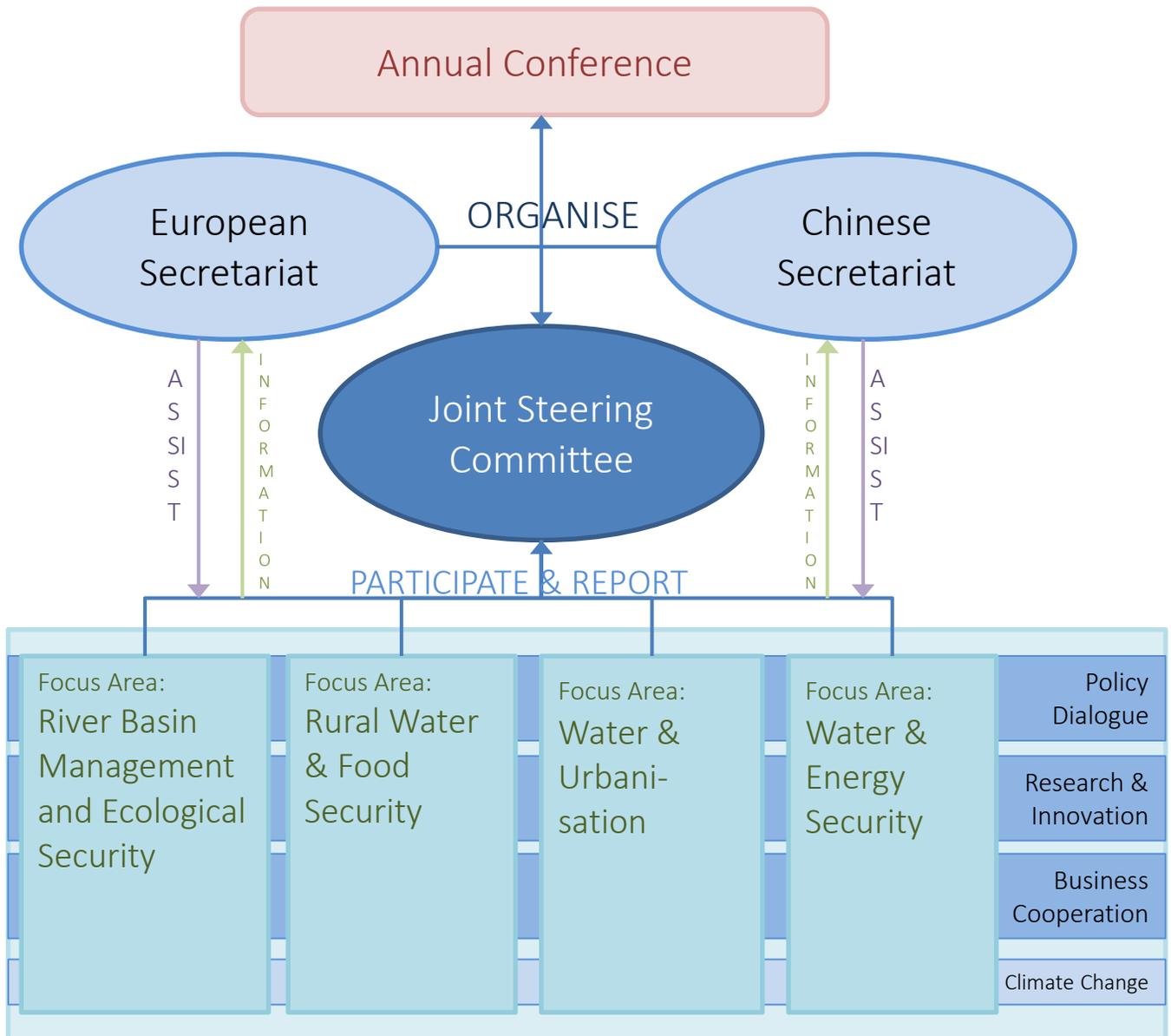
# Contact Details

[www.bonusportal.org](http://www.bonusportal.org)  
[www.bonusprojects.org](http://www.bonusprojects.org)

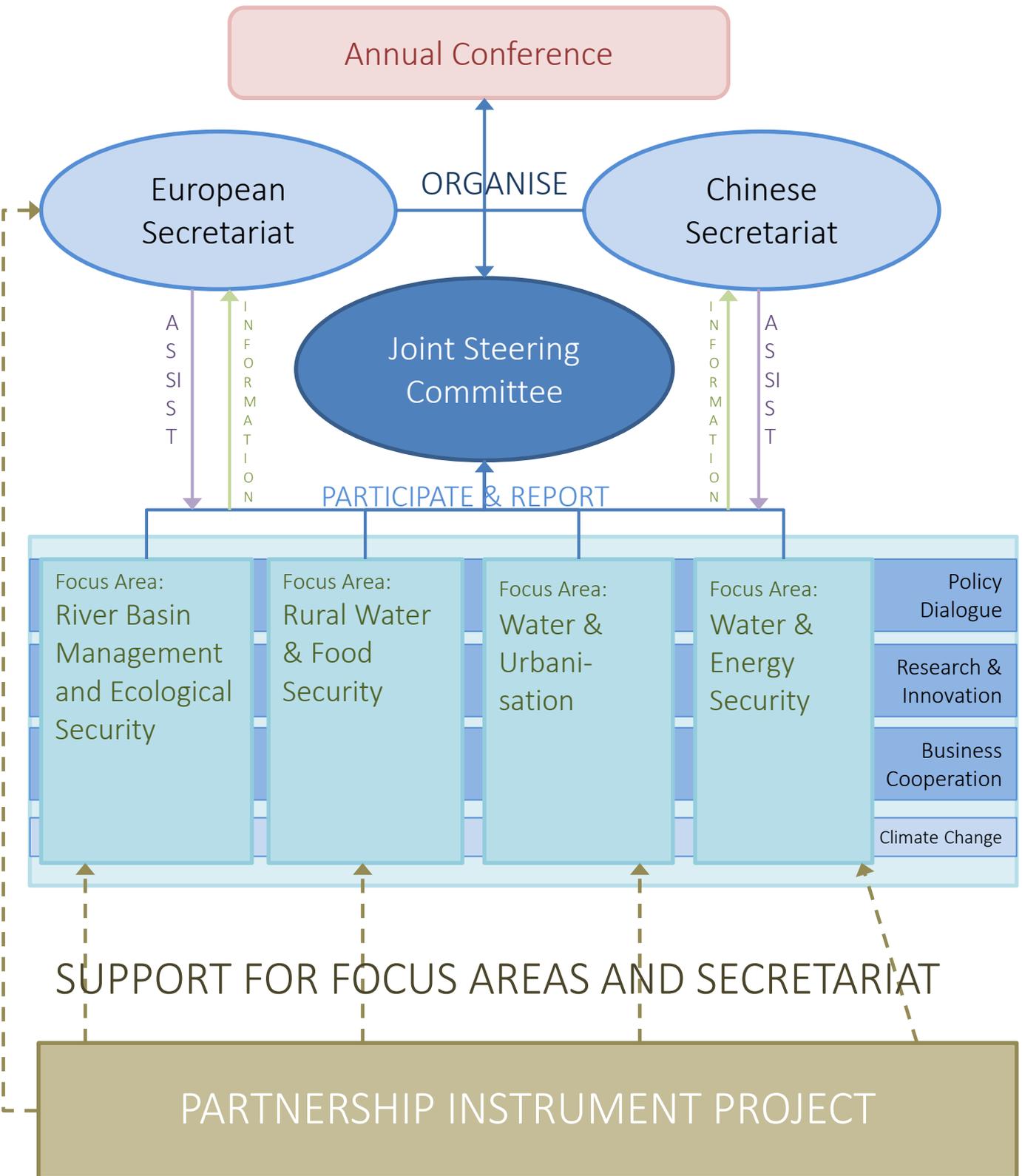
**Meelis Sirendi**  
**Deputy Director**  
[meelis.sirendi@bonuseeig.fi](mailto:meelis.sirendi@bonuseeig.fi)



# China-Europe Water Platform



# China-Europe Water Platform





**Invitation:**

High-Level Dialogue Conference of the China Europe Water Platform 2018:  
——Water Governance for Green Growth and Circular Economy

Excellency,

We have the honor to invite you to the High-Level Dialogue of the China Europe Water Platform which will take place in Beijing, P. R. China, on 7-8 November 2018.

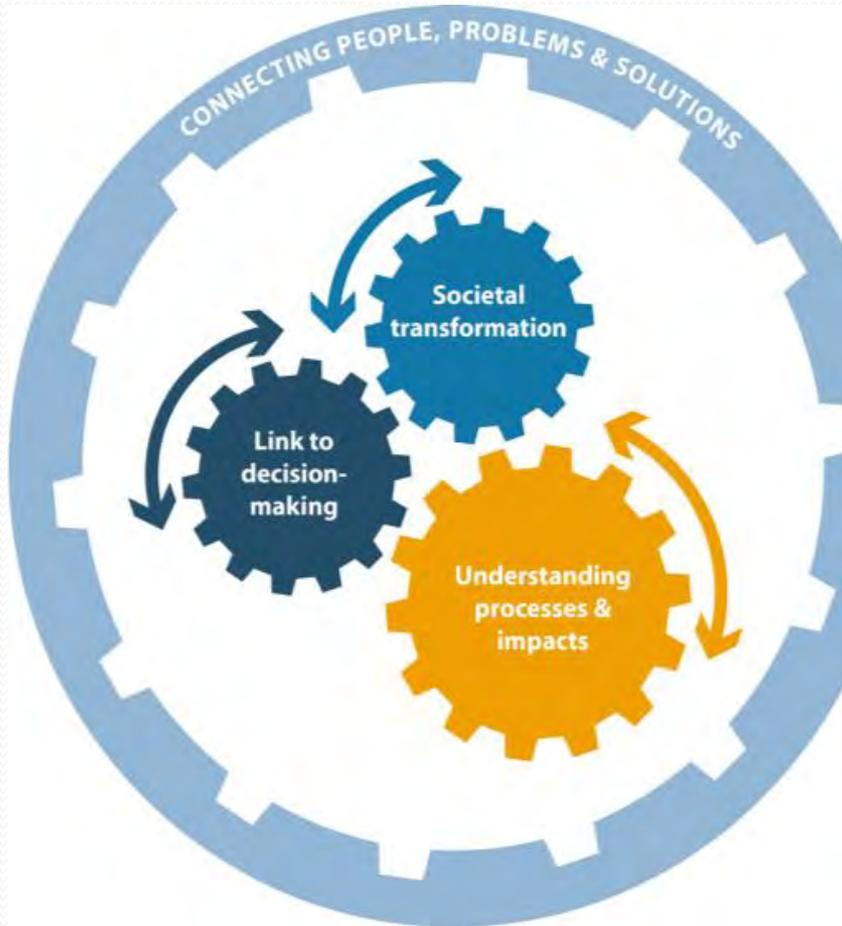


# JPI Climate Connecting Climate Knowledge for Europe



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# JPI Climate Strategic Research and Innovation Agenda 2016-2025



## Vision

Enabling transition to a low emission, climate resilient economy, society and environment

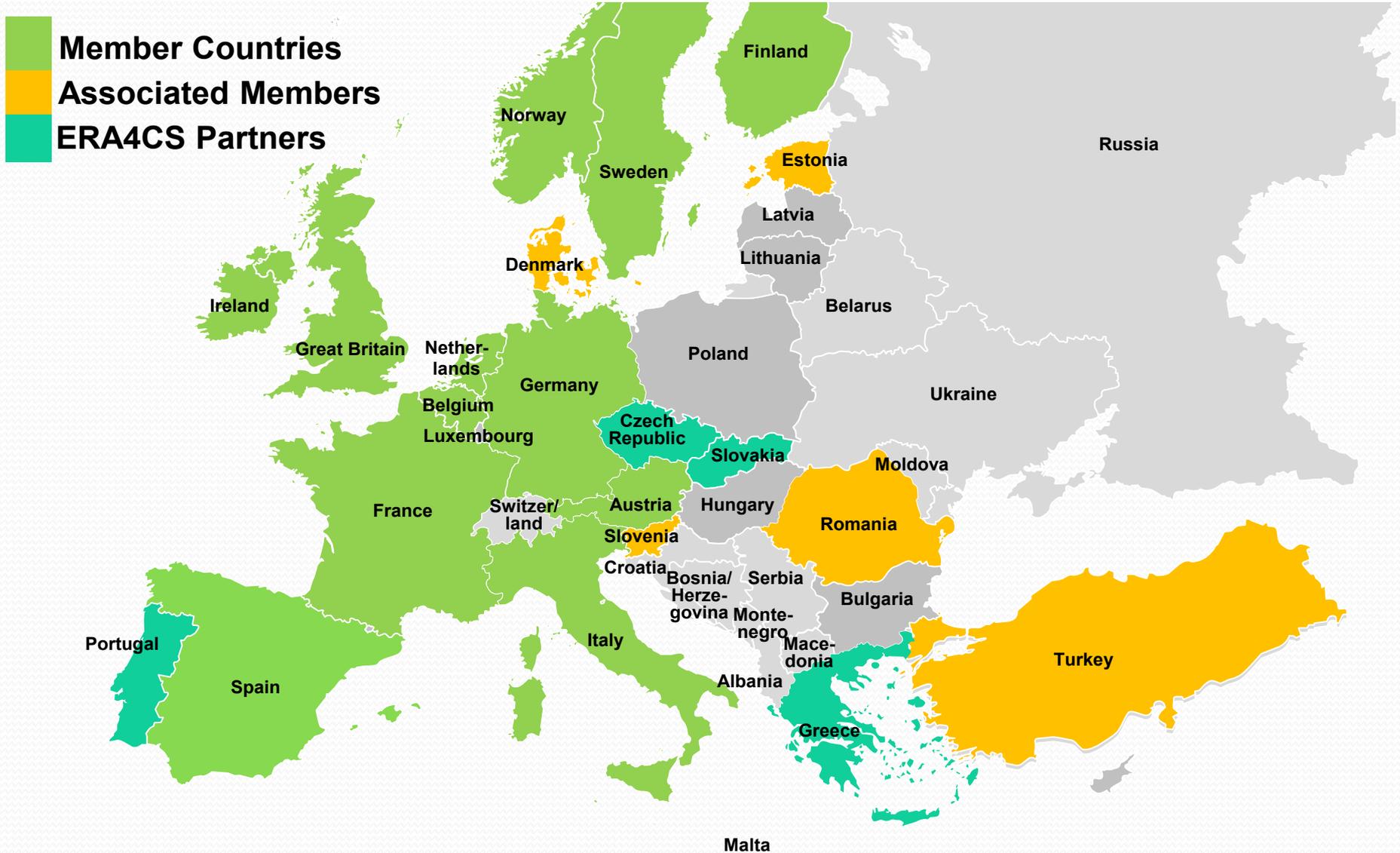
## Mission

To provide climate knowledge to inform implementation of the Paris Agreement and SDGs

## Operations

Connecting research performers and funders to promote the creation of new knowledge

# The JPI Climate partnership in Europe



# JPI Climate Action Groups/Activities

**“Climate predictability and inter-regional linkages”** Joint Call with the Belmont Forum. **8 collaborative projects**, expected completion 2019

**“European Research Area for Climate Services (ERA4CS)”** Flagship with H2020, **26 collaborative projects**;

**“Adaptation Assessment of Cross(X)-sectoral climate Impacts and pathways for Sustainable transformation (AXIS)”** proposals under evaluation starting autumn 2019

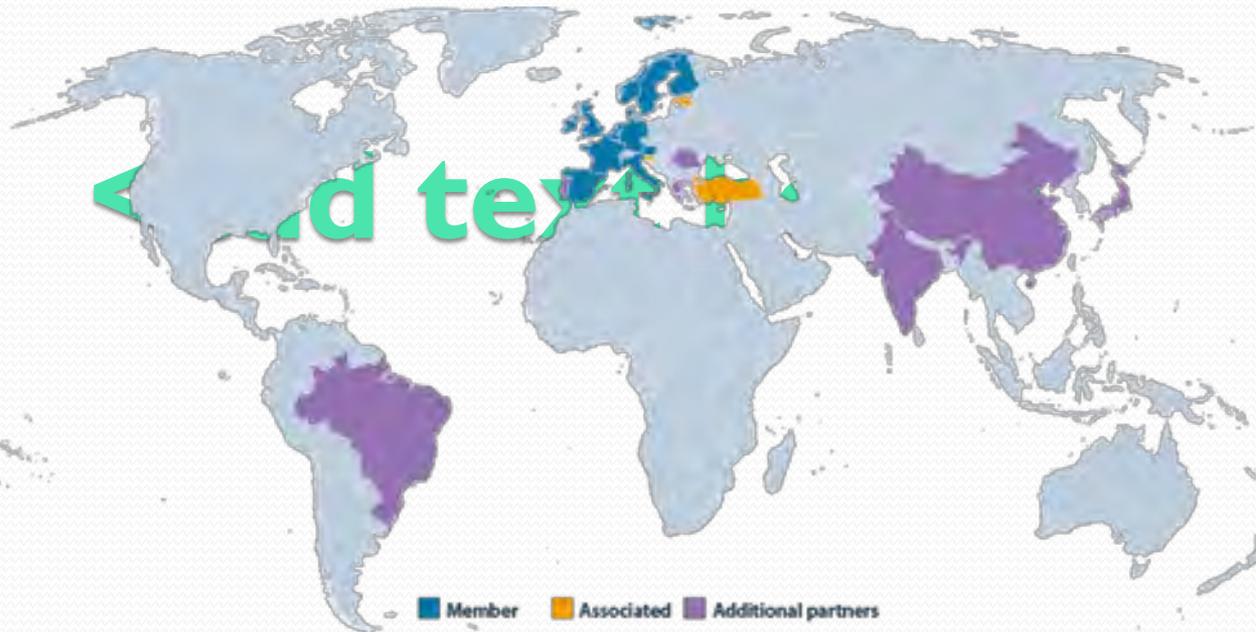
**“Internationalisation of JPI Climate (SINCERE)”** 4 years CSA running

**“Next generation of climate science in Europe”** joint call in 2019 together with JPI Oceans

**“Enabling societal transformation in the face of climate change”** 9 projects recently completed **AND** currently in the process of developing a next joint call in 2019

**“Greenhouse gas emissions, removals and management systems”** cooperation with EC in a series of scoping workshops on GHG balance of the PA workshops running for joint activity in 2019 potentially with JPI FACCE

# JPI Climate internationalisation strategy: Collaboration with the Belmont Forum (BF)



France	ANR
India	MoES
Norway	RCN
Brazil	FAPESP
Japan	MEXT
China	NSFC
Qatar	Research Foundation
UK	NERC
Germany	BMBF
NL	NWO
Sweden	FORMAS
Austria	BMFWF

2015 joint call on ***Climate Predictability and Inter-regional Linkages***  
BF participating members: Brazil, China, India, Japan and Qatar  
**8 research projects currently ongoing**

# Flagship Programme on Climate Services

**ERA-Net- European Research Area for Climate Services – ERA4CS**

**2016-2020:**

Launch of call on

**“Researching and Advancing Climate Service Development”**

**+ Additional Activities**



## Activities

**45 partners**  
**(30 RFOs, 15 RPOs)**  
**18 countries**  
**Budget: ~ 65 Mio. €**

**26 projects (min. 3 countries)**  
**Duration: 3 years**

A large call for research proposals with two topics (cash and in-kind) was issued in 2016

A global assessment of the ERA4CS project results will be prepared and published by end 2020

A special communication effort is undertaken throughout the lifetime of ERA4CS

Additional activities are developed to prepare the future of Climate Services and support JPI-Climate

Co-funded by  
the European Union



**<http://www.jpi-climate.eu/contact>**

**JPI Climate Chairman: Frank McGovern, EPA – Ireland**  
**[chair@jpi-climate.belspo.be](mailto:chair@jpi-climate.belspo.be)**

**JPI Climate Secr. Ex. Director : Petra Manderscheid**  
**[Petra.mandescheid@jpi-climate.belspo.be](mailto:Petra.mandescheid@jpi-climate.belspo.be)**

**JPI Climate Secr. Science Officer : Alexandre Fernandes**  
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**1- INCOBRA**

**2- BILAT USA4.0**

**3- ERA-LEARN**



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

**INCOBRA (1.2.2016 - 31.1.2019)**



The overall objective of INCOBRA is to focus, increase and enhance Research & Innovation (R&I) Cooperation Activities between Brazil (BR) and European Union (EU).

The consortium consists of 7 European and 6 BR Organizations representing universities, NGOs, research organizations, technopark, companies and funding agencies.

**BILAT USA 4.0 (1.2.2016 - 31.1.2019)**



*Bilateral Coordination for the Enhancement and Development of STI Partnerships between the **EU and the USA**.*

The consortium consists of 10 European and 6 US Organizations representing universities, research organizations, NGOs, companies and funding agencies.

# Involvement to-date

## INCOBRA & BILAT USA4.0 Actions dedicated to support cooperation and communication between Funding Agencies

- ✓ Survey on Demand > May 2016
- ✓ Fact finding mission to US Agencies > June 2016, DC
- ✓ Joint Workshop > 21 November 2016, Brussels
- ✓ Delegation Visits & Bilateral Meetings
  - to USA > January 2018
  - to Brazil > March 2018
- Focus Group WS for Brazil > October 2018, Vienna
- Recommendations at Policy and Operational Levels for Brazil and for US > November 2018

# Description of Initiative

## ERA-LEARN (1.7.2018-30.6.2022)

The goal is to increase the impact of P2Ps for transnational cooperation through providing a solid knowledge base, communication and coordination activities.

- 7 European Partners
- A dedicated task aim to support P2Ps in their international cooperation endeavors as well as promote an exchange of good practices among P2Ps.

Activities include:

- Analysis of previous activities of previous Initiatives, International Strategies of JPIs, international participation in ERA-NET Actions mid.2019
- Workshop Dec. 2019
- Recommendations June 2020

# Key Challenges

- ✓ **international cooperation should be considered as long term investment (*understanding each other, trust building, agreement in modalities, commitment* )**
- ✓ **Each P2P has its own unique structure, experience and strategy towards international cooperation; there will not be one model fits to all.**
- ✓ **Each International Partner Country(IPC) has its own priorities, working culture, different funding schemes**

# Key Challenges

- ✓ **Confusion in IPCs caused by dealing with different EU Initiatives as well as Bilateral Actions**
- ✓ **Equally established win-win partnerships between funding organizations from Europe and the IPCs must be created.**
- ✓ **Identifying the right contact person that is enthusiastic, believes in the added value of the cooperation to his organization/country, and has the capacity and authority to pull things together can be challenging. (...and this can not be done via email or telco)**

# Bonuses

- ✓ **widen the geographical scope of P2Ps, increase the critical mass especially in the areas of SDGs**
- ✓ **increase the influence and impact and showcase European solutions at a global level**
- ✓ **more effective cooperation with IPCs through transnational approach**

# Contact Details

**Berna Windischbaur**  
**Austrian Research Promotion Agency (FFG)**  
**berna.windischbaur@ffg.at**

**<https://www.incobra.eu/>**

**<http://www.euussciencetechnology.eu/>**

**<https://www.era-learn.eu/>**



# Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI)

Heather McKhann  
Caroline Lesser,  
Head of European and International Cooperation  
FACCE-JPI Secretariat



Water JPI Workshop - Strategy for  
International Cooperation, 19 Sep. 2018

# Description of the Initiative



- Strategic intergovernmental initiative launched by Council of the EU in 2010
- Promotes the **alignment of national research funding and programming** in Europe, under a common Strategic Research Agenda
- Addresses the challenges of sust. agri development & enhanced food security in the face of climate change, as well as climate action in the agri. sector
- **24 Member-Countries** (3 Associated Countries, 1 non-EU Member)
- Mobilised financial resources to date: **€104 M** across 10 joint research actions (variable geometry)
- Links to **H2020 Societal Challenge 2** and **Societal Challenge 5**

# Involvement to date

## FACCE-JPI European and International Cooperation Strategy:

Partnerships at institutional and programmatic levels

### International initiatives

Belmont Forum, **GRA**, GACSA, CCAFS, 4 per 1000 initiative, AgMIP, TempAg, PRIMA, International Bio-Economy Forum

*Increased structuring of R&I and stronger impact at the global policy level*

### Individual non-EU countries

**New Zealand**, USA, Canada, Japan  
China, Brazil, India, South Africa

*Increased synergies, “science diplomacy” and mutual learning*



# Main modalities of engagement

Information exchange

- Exchange information on existing research projects, results and methods (e.g., with *PRIMA*, *AgMIP*)

Coordination

- Coordination and complementarity of research work (e.g., with *4/1000 International Research Initiative*, *International Bioeconomy Forum*)

Collaboration

- Development of joint calls for new research proposals (e.g., with the *Belmont Forum*)
- Development of joint Knowledge Hubs (e.g. with *USA*, **tbc**)
- Participation in *FACCE*-led *ERA-NETs* (e.g., *New Zealand*, *Canada*)
- Organisation of joint outreach activities (e.g., with *CCAFS*)
- Participation in partners' research activities

Institutional or strategic partnership

- Membership in the *Governing Board* (e.g., *New Zealand*)
- Membership in the *Scientific or Stakeholder Board*
- *Strategic partnership* (e.g., with *GRA*)

# Over 50% of all FACCE-JPI joint research actions have been developed with other international partners (2012-17)

1. International Call on Food Security and Land Use Change, with the Belmont Forum (Australia, Brazil, India, Japan, South Africa, USA; **6.2M€**)
2. Multi-Partner Call on Agricultural GHG Mitigation, with the GRA (USA, Canada, New Zealand; **5M€**)
3. FACCE-JPI/ Water JPI ERA-NET on Sustainable Water Management in Agriculture (Canada, South Africa, Egypt, Moldova, Taiwan, Tunisia; **17M€**)
4. FACCE-JPI ERAGAS ERA-NET (New Zealand; cooperation mechanism with GRA; **14M€**)
5. FACCE-JPI SURPLUS ERA-NET (New Zealand; **20.7M€**)
6. FACCE-JPI SUSCROP ERA-NET (Canada, **total funding tbc**)

## Under development:

1. ERA-NET Cofund on Climate Change and Food Systems with the Belmont Forum (2019)
2. Joint Call btw. ERA-GAS, SusAn, ICT Agri ERA-NETs, with USA and other GRA countries (**tbc**, 2019)

# Key challenges

- **Complexity of the European R&I landscape:** Lack of understanding of what JPIs are, how they function and how they differ from H2020 activities
- **Time:** Getting to know each other's research activities, building trust and agreeing on a common topic and modality for collaboration takes time
- **Differences in the way research is funded and managed:** e.g., timing of research programming cycles, funding and reporting procedures, and other legal obligations
- **Few resources** in the FACCE-JPI Secretariat: small team and budget (no dedicated CSA for international cooperation)

# Key bonuses

- **Build critical mass** and expand the array of scientific evidence, to tackle global challenges more effectively
- Strengthen **visibility and impact** at the international level (e.g., amongst policymakers)
- Facilitate the **exchange of information, mutual learning** and capacity building with initiatives or countries in other regions
- Contribute to “**science diplomacy**” efforts

# Key factors of success

- Develop partnerships that bring mutual benefits and **add value** (e.g., data comparisons, integration or standardisation)
- **Co-construct** the joint research action from the start
- Ensure **strong commitment** for cooperation at policy, funding and research performing levels
- Conduct a stakeholder mapping within partner organisations to **identify the right counterparts**

# Contact details

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# Danube Transnational Programme



2018 Water JPI Workshop -  
Strategy for International  
Cooperation (19/09/2018,  
Vienna)

# Description of Initiative

## Financing instrument of ETC (Interreg)

- Part of EU Cohesion Policy
- Based on DTP Cooperation Programme of 14 countries
- Fostering transnational cooperation
- Supporting policy integration
- Supporting achievement of EU Strategy for Danube Region objectives
- Not supporting: pure research / infrastructure

## 4 Priorities



# Description of Initiative

## Innovation

- Improve framework conditions for innovation
- Competences for business and social innovation

## Environment

- Transnational water management
- Ecological corridors
- Environmental risks (floods, accidental pollution, drought)

## Budget

**216,8 M EUR** (ERDF / IPA / ENI) + 15% own contribution (70% allocated)

**76 project funded** so far (7 + 4 water related)

Involvement to-date

**First time to cooperate  
with Water JPI**

# Key Challenges & Bonuses

- Mobilising certain stakeholders, sectors
- Different legislative and / or institutional frameworks
- Different availability of resources
- Different innovation policy approaches (state vs. research driven)
- Brain-drain (endangering human capacities)
- *Programme management*: complex and bureaucratic for stakeholder
- Addressing macro-regional challenges at transnational scale
- Connecting EU and non-EU parts of Danube Region
- Harmonised, coordinated, joint strategies, innovative solutions, actions (e.g. on river basin scale)
- Integrated approaches (quadruple-helix) on broader territorial scale
- Sharing knowledge / expertise / data
- Capacity building

# Contact Details



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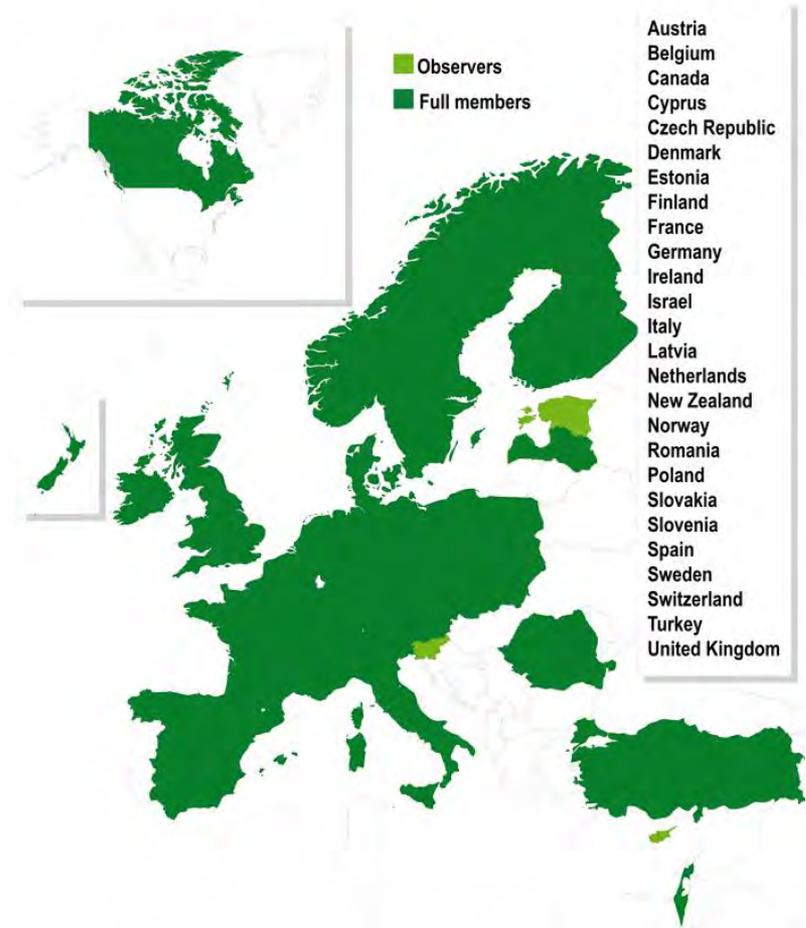
# JPI healthy diet for a healthy life – aligning research programmes in food, nutrition and health

Jolien Wenink,  
Coordinator of JPI HDHL

- **What drives us:** to improve the impact of R&I investments in food, nutrition, health and physical activity to overcome the increasing burden of non-communicable diseases on the citizens and societies.
- **Because:**
  - Over 2 billion people in this world are overweight and the associated costs are 1.2 trillion dollar per year.

# Involvement to-date

- 26 involved countries
  - 23 full members
  - 3 observer countries
- Turkey & Israel
- Canada & New Zealand



# International Collaboration (1)

- JPI HDHL's **ambition** is to establish **sustainable collaborations** with countries all over the world that can meaningfully engage in, contribute to and capture the benefits from participation in the JPI HDHL.
- The collaboration principle of JPI HDHL can be summarised by a **general openness and flexibility towards countries outside the European Union**



## International Collaboration (2)

- JPI HDHL is regularly invited to speak at international conferences and bilateral meetings
  - *Examples bilateral contacts: New Zealand/Australia, Canada, USA & China.*
- JPI HDHL developed a Strategy and Action Plan for Flexible and Efficient Collaboration with Third Countries
- JPI HDHL aims at leveraging existing relationships and membership of international forums like:
  - *International Bioeconomy Forum (potential alignment)*
  - *The E-Asia network*
  - *The Global Alliance for Chronic Disease*

# Drivers and barriers

- Success factors of international collaboration:
  - The efficient concept of the JPI
  - Case studies that show the added value of membership/participation
  - Utilising existing opportunities for international alignment
  - Pilot interactions with non EU countries
- Challenges/risks:
  - Complex EU funding landscape
  - Getting on board both agriculture and health players
  - Lack of buy-in to tackling the societal challenge - not seen as the most important core driver



# Contact

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