

European Partnerships

#HorizonEU

candidate European Partnership Water4All: Water security for the planet

Panagiotis Balabanis, DG R&I, European Commission 2020 Water JPI Workshop on International Cooperation, 26/05/2020

> Research and Innovation

Portfolio of candidates for European Partnerships (49)

HEALTH

EU-Africa Global Health Innovative Health Initiative Chemicals Risk Assessment Fostering an ERA for Health research Large-scale innovation and transformation of health systems in a digital and ageing society Personalised Medicine Rare Diseases One Health AMR

CLIMATE, ENERGY AND MOBILITY

Transforming Europe's rail system Integrated Air Traffic Management Clean Aviation Clean Hydrogen Built environment and construction Towards zero-emission road transport Mobility and Safety for Automated Road Transport Batteries Clean Energy Transition Sustainable, Smart and Inclusive Cities and Communities

DIGITAL, INDUSTRY AND SPACE

High Performance Computing Key Digital Technologies Smart Networks and Services Al, data and robotics Photonics Europe Clean Steel - Low Carbon Steelmaking European Metrology Made in Europe Carbon Neutral and Circular Industry Global competitive space systems European Geological Service

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Accelerating farming systems transition Animal health: Fighting infectious diseases Environmental Observations for a sustainable EU agriculture

Rescuing biodiversity to safeguard life on Earth A climate neutral, sustainable and productive Blue Economy

> Safe and Sustainable Food System for People, Planet & Climate

> > Circular bio-based Europe

Water4All: Water security for the plane

PILLAR III AND CROSS-PILLAR

EIT Climate KIC EIT Health EIT Manufacturing EIT Food EIT InnoEnergy EIT Manufacturing EIT Raw Materials EIT Digital EIT Urban Mobility EIT Cultural and Creative Industries

Innovative SMEs

European Open Science Cloud (EOSC)



European Commission

European Partnership Water Security for the Planet (Water4All)

Cluster 6

Form: Co-funded partnership

Partners: National/regional research funders and policy makers as core members, in association with other research and economic actors

Lead DG(s): R&I, ENV

Predecessor: Building on the work of the Water JPI, the EIP Water and the Water Europe Technology Platform

Proposal elaborated by partners:

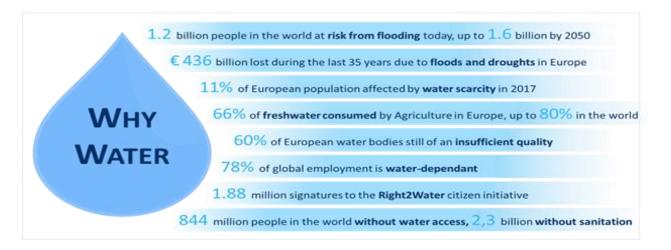
- 1st draft February, reviewed in March, 2nd draft April 2020
- Relatively good first draft, progressing well.
- **SRIA** development process:
 - Under preparation, building on the predecessors
- Launch: WP 2021/22 (2022)



Problem, Drivers and Opportunities

• What are the problems?

 ✓ Water emergency crisis, out of track to achieve important EU water policies and SDGs and show impacts



• What are the drivers of the problem?

- Complex challenges, R&I fragmentation, insufficient alignment between funders programs and timelines, knowledge transfer, no continuity of funding from research to implementation
- What are the strategic opportunities?
 - ✓ Have EU, Member States, European platforms and private sector collaborating efficiently, increase R&I impacts, strengthen EU international role



Water4All acting



At the Water Security Challenges:

- Prioritising Water in Political Agenda
- Too often focus on small changes (address priority steps-changes, Global perspective)
- Working on the interconnections
- Synergistic solutions between sectors

At the implementation challenge level

- Aligning funders programmes and timelines
- Continuity of funding from research to implementation
- Investing in innovative approaches and solutions
- Innovation opportunities versus policy compliance

Objectives

Vision: Boosting the systemic transformations and changes across the entire research – water innovation pipeline, fostering the matchmaking between problem owners and solution providers for ensuring water security for all in the long term.

General objectives:

- Provide solutions to the current and increasing water crisis in the context of global changes
- Strengthen scientific evidence for new policies or update existing ones
- Supporting efficient collaboration and integration of EU, MS and international R&I activities in a multi-actors innovative approach
- Increase implementation of solutions and therefore global impacts.

The major expected impacts are:

- Increased protection of water resources and ecosystems and strengthening of biodiversity
- Enhancing resilience, mitigation and adaptation of water systems to climate change.
- Pooling resources (EU, Member States, European platforms and economic sectors) and aligning a shared and co-developed SRIA and related implementation plans.
- Develop new instruments for cooperation, across stakeholders, sectors and scales for developing future actions.
- Greater cooperation across sectors, with multi-stakeholder engagement and empowerment.
- Reinforcing the EU's role in the international water agenda.



European Commission

Water4All Implementation Actions

Considering pertinent actors' eligibility conditions

Pillar B. Research and innovation Development

- Generate new knowledge and innovation
- Up to operational scale

Pillar C. Science – Policy - Endusers interface

 Connect Science and innovation to policy-makers and operators

Pillar A. Joint vision & SRIA

For actions at all levels

Pillar E. Internationalisation

- Global dimension critical mass
- Strategic collaboration

Pillar D. Demonstrating Solution efficiency

- Deploying at local scale, with the relevant actors
- From pilot to full implementation

	Policy Landscape:		Results (2030):		
		2030 International agenda and UN SDGs implementation			
	International Conventions				
		Regional cooperation for sustainable development			
Challenges:	External factors:	External factors:			
N1- Creating critical financial		Level of implementation of 2030 Agenda action plans in Countries			
mass		Level of financial support for development / cooperation			
N2 - Reinforced links between	programmes				
EU and International partners		Bilateral and multilateral cooperation agreements for R&I			
N3 - Co-designing targeted RDI					
programmes					
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Objectives:	Inputs:	Activities:	Outputs (by end of		
Ob1 - Enlarge co-design and	II - Engagement with beyond	A1 - Increased contacts with	Water4All):		
Ob1 - Enlarge co-design and cooperation in R&I	EU countries and funding	key international partners	Ou1 - List of Cooperation		
cooperation in R&I	EU countries and funding	key international partners	Ou1 - List of Cooperation		
cooperation in R&I programmes	EU countries and funding institutions	key international partners A2 - Development and testing	Ou1 - List of Cooperation MoU		
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Implementation of targeted international cooperation action in Horizon 2020

- ✓ Joint or coordinated calls
- Contribution to multi/bi-lateral initiative
- Twinning activities
- Exceptional funding of participants from nonassociated third countries
- ✓ Joint programming



European Partnership – Next steps

- Revised and agreed draft partnerships proposals online starting in late May to ensure transparency of preparation and better alignment and planning through mutual access among partnerships, and by Member States.
- SRIA/Roadmaps be finalised, with the necessary open and transparent consultation of stakeholders/Member States, by the time the Commission commits to a partnership.
- Commitments from partners will be requested at the earliest in mid-June, with the timing depending on impact of Covid-19 pandemic and the progress on MFF negotiations.
- Ensure coherence and collaboration among partnerships, and synergies with other programmes,



Proposal os SRIA process

Water JPI	Water JPI Vision 2020 SRIA 0.5 - May 2013 SRIA 2.0 - April 2016	Consultation of EU networks Advisory Boards September 2020	National & Networks Consultations November 2020 Interviews of	First Implemen- tation plan Year 1 - 2 - When Partnership established
	SRIA 2025 - April 2020	Review and	stakeholders January 2021	
Water Europe EURAQUA	SIRA November 2016 SRIA - June 2019	assessment for Water4All needs April - May 2020	Experts Stakeholder Consultation March 2021	Water4All SRIA 7 years May 2021
Others?				European

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