

# 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, 2<sup>nd</sup> 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					
		Ŧ			
<b>↓</b>		<b>V</b>	I		
Objectives:	Inputs:	Activities:	Outputs (by end of		
Ob1 - Enlarge co-design and	II - Engagement with beyond	A1 - Increased contacts with	Water4All):		
<b>Ob1</b> - 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		
cooperation in R&I programmes Ob2 - Connecting R&I	EU countries and funding institutions 12 - Connections between STI	key international partners A2 - Development and testing of innovative cooperation	Ou1 - List of Cooperation MoU Ou2 - List of implementation		
cooperation in R&I programmes <b>Ob2</b> - Connecting R&I activities to UN monitoring	EU countries and funding institutions 12 - Connections between STI and policy agreements in	key international partners A2 - Development and testing of innovative cooperation tools	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring	<ul> <li>key international partners</li> <li>A2 - Development and testing of innovative cooperation tools</li> <li>A3 - Development of science diplomacy initiatives to alleviate crisis linked to water</li> </ul>	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food)	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of engagement of countries	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes 14 - Engagement with potential	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food) A4 - Co-development of R&I	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners Ou4 - New activities to		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of engagement of countries Ob5 - Becoming the	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes 14 - Engagement with potential donors, both from public and	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food) A4 - Co-development of R&I investments guide framework	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners Ou4 - New activities to support openness and		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of engagement of countries Ob5 - Becoming the coordination / strategic portal	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes 14 - Engagement with potential donors, both from public and	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food) A4 - Co-development of R&I investments guide framework for supporting UN SDGs	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners Ou4 - New activities to support openness and inclusiveness		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of engagement of countries Ob5 - Becoming the coordination / strategic portal for RI international	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes 14 - Engagement with potential donors, both from public and	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food) A4 - Co-development of R&I investments guide framework for supporting UN SDGs A5 - Connect R&I monitoring	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners Ou4 - New activities to support openness and inclusiveness Ou5 - Framework tool for		
cooperation in R&I programmes Ob2 - Connecting R&I activities to UN monitoring Ob3 - Reducing barriers for supporting participation of beyond EU countries Ob4 - Raising level of engagement of countries Ob5 - Becoming the coordination / strategic portal for RI international	EU countries and funding institutions 12 - Connections between STI and policy agreements in international countries 13 - Engagement with UN Water & UNEP on monitoring schemes 14 - Engagement with potential donors, both from public and	key international partners A2 - Development and testing of innovative cooperation tools A3 - Development of science diplomacy initiatives to alleviate crisis linked to water (and food) A4 - Co-development of R&I investments guide framework for supporting UN SDGs A5 - Connect R&I monitoring	Ou1 - List of Cooperation MoU Ou2 - List of implementation activities integrating international partners Ou3 - New set of tools for engaging with international partners Ou4 - New activities to support openness and inclusiveness Ou5 - Framework tool for integrating R&I in UN		

commissi

# 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

## Thank you! Follow us and keep up to date via:

### #HorizonEU

@EUScienceInnov @EU\_H2020 @HorizonMagEU

https://www.facebook.com/EUScienceInnov/



Horizon Europe dedicated website <a href="http://ec.europa.eu/horizon-europe">http://ec.europa.eu/horizon-europe</a>

European Innovation Council <a href="http://ec.europa.eu/research/eic">http://ec.europa.eu/research/eic</a>

EU budget for the future http://ec.europa.eu/budget/mff/index\_en.cfm



European Commission