

# Horizon Europe European Partnerships

The Water4All partnership

#HorizonEU



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# New approach to partnerships: why?

Impact Assessment annex 8-5

- Need to **rationalise** the European R&I partnerships landscape
- Need to improve the **openness** and transparency of R&I partnerships
- Need to **link** the R&I partnerships to future EU R&I missions and/or strategic priorities



# New approach to partnerships: why?

Impact Assessment annex 8-5 – current partnership landscape

Partnership approaches	Public-public partnerships (P2P)	Public-private partnerships (PPP)	EIT-KICs*	FET Flagships**
Implementation modes	ERA-NET-Cofund, EJP Cofund, Article 185, Joint Programming Initiative (JPI)	Contractual Arrangement (cPPP) Article 187	H2020 Grant agreements for different types of actions Framework Partnership Agreements (FPA)	
Currently active R&I Partnerships (Horizon 2020)	a) ERA-NETs: ~70 b) EJP Cofund: 5 c) Article 185: 6 d) JPIs***: 10	a) JUs: 7 (+HPC) b) cPPPs: 10	a) KICs: 6 (+ 2 until 2020)	a) FET-Flagships: 2 (+Quantum)
Financial contribution from H2020, estimated)	<b>2.500 M€</b> (3,1% of H2020 budget)	<b>13.450 M€</b> (17,5% of H2020 budget)	<b>2.400 M€</b> (3,1% of H2020 budget)	<b>1.000 M€</b> (1,3% of H2020 budget)

\*EIT-KICs: Knowledge and Innovation Communities (KICs) of the European Institute for Innovation and Technology (EIT)

\*\*FET-Flagships: Flagships of the Future and Emerging Technologies programme (FET)

\*\*\* JPIs: Joint Programming Initiatives are no EU level instruments but included here as they receive EU support via ERA-NETs and/or CSAs

# European Partnerships: what is new?

- Only support partnerships if there is evidence that they are **more effectively** achieving policy objectives than Horizon Europe alone
- **Fewer** partnerships with **higher** impacts
- Common and coherent **framework** of criteria along the life cycle of partnerships, across all pillars, even across programmes and other regulations (e.g. EIT, DEP, space)
- Unified **umbrella** branding to improve visibility
- Increase **openness** and encourage a **broader set of actors** to participate
- Improve **coherence** between partnerships and Horizon Europe, also the missions
- **Time limited** with conditions for phasing-out the Programme funding



# New approach to European partnerships: overview

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

## Key features

- **Simple architecture and toolbox**
- **Common set of criteria**
- **Coherent life-cycle approach**
- **Strategic orientation**

### Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

### Co-funded

Based on a joint programme agreed by partners; commitment of partners for financial and in-kind contributions & financial contribution by Horizon Europe

### Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe



# European Partnerships and strategic planning

- Candidates for European Partnerships have been identified as part of the strategic planning;
- Ares for possible institutionalised Partnerships based on Article 185/7 have been identified in the Annex Va of the Regulation;
- The Project Team of Commissioners for Innovation and Competitiveness endorsed in March 2019 the next steps of preparation (start of IA work, engagement with stakeholders, based on the criteria of Horizon Europe);
- Work within and across clusters has resulted in a consolidated portfolio of 44 candidates for European partnerships;
- For each partnership candidate services have prepared a fiche that builds the basis for the next steps of preparation, and the structured consultation of member States;
- List of 44 partnership candidates is part of the Orientation towards the Strategic R&I plan (Annex 7).

# Portfolio of candidates for European Partnerships (44)

## **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  
Pre-clinical / clinical health research  
Personalised Medicine  
Rare Diseases

## **DIGITAL, INDUSTRY AND SPACE**

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

## **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

Innovative SMEs

European Open Science Cloud (EOSC)

## **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

## **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 planet

# Programme co-fund action

“programme co-funding action’ means an action to provide **multi-annual co-funding** to a programme of activities established and/or implemented by **entities managing and/or funding research and innovation programmes**, other than Union funding bodies. Such a programme of activities may support networking and coordination, research, innovation, pilot actions, and innovation and market deployment actions, training and mobility actions, awareness raising and communication, dissemination and exploitation, any relevant financial support, such as grants, prizes, procurement, as well as Horizon Europe blended finance or a combination thereof. **The programme co-fund action may be implemented by those entities directly or by third parties on their behalf.**”



# Water4All: Water security for the planet

*Cluster 6: Food, Bioeconomy, Natural Resources,  
Agriculture and Environment*

# What is the context and problem definition?



- ✓ Current landscape of water R&I funding and EU water policy setting and implementation is extremely complex and fragmented
- ✓ Building on the achievement of the Water JPI and other related EU supported initiatives and partnerships (e.g. WssTP, EIP Water)
- ✓ The diversity of challenges we are now facing requires a new wider partnership
  - bringing together actors from across the water sector
  - facilitating better implementation of EU water related policies
  - strengthening water diplomacy and EU's role as global actor

# What are the objectives, expected impacts and scope?

## Objective

- provide a unified and shared systemic strategy to secure water for all, i.e securing all water demands in terms of quality and quantity, and that both economic and natural systems, as well as people are protected from water-related hazards, and demonstrate its feasibility

## Expected impacts

- provide scientific progress on innovative and affordable solutions in a concerted action at a relevant scale, the water catchment level, addressing the pertinent global challenges and the establishment of an inclusive, resilient and secure society
- support policy makers implementing relevant EU and national policies, ensuring interconnections and interdependencies between sectors and scales and therefore continuum in actions (between research programme, innovation, scaling-up projects and policymaking) and leveraging impacts, while considering key trade-offs in an holistic way
- provide opportunities for business to minimise water use while realising greater value from water reuse and recycling
- provide a unified, shared and measurable goal for all stakeholders, placing the engagement of civil society in the centre and leveraging R&I in order to generate green and sustainable growth opportunities.

## Scope:

- Deployment of innovative solutions (e.g. living labs, decentralised solutions) with active engagement of scientists, technologists, manufacturers, innovators, businesses, educators, policy-makers, civil organisations and citizens.
- increased uptake of innovations, especially systemic solutions addressing at the same time multiple global challenges, uptaken by decision-makers leading to affordable and fairness access of this scarce resource
- shared research infrastructures and data sets for a better monitoring, understanding and modelling of changes.

# Expected type of partners and contributions

- Due to the diversity of water challenges and local, regional, national and international level, and the diversity of water policies and financing, this partnership requires a wide public and private R&I partnership
- Collaboration with Member States R&I funding agencies, universities and research organisations will be needed for the development of innovative solutions
- Collaboration with industry, regions and other economic actors will be needed for activities linked to deployment of solutions and market uptake
- Both cash (with substantially higher budgets than previously) and in-kind contributions are foreseen from EU MS (RDI funding agencies, sectoral agencies, regions, ...), water utilities, municipalities and the wider water private sector for a variety of activities, going from knowledge generation, demonstration projects collaborative projects, as well as activities related to market uptake, regulatory, societal or policy uptake

# Consultation with EU Member States – first feedbacks

## On the basis of the replies received from 27 countries

- 97% considers that this partnership is very or somewhat relevant their national policies/priorities, 100% relevant for their research organisations and 93% for their industry
- 93%, 81% and 74% considers that their existing national R&I strategy/plans, national economy/sectoral strategy and regional R&I and/or smart specialization strategies, respectively, are in support of this
- 41% are interested to join as partner and contribute to this partnership, while 51% are undecided
- For those already interested to join:
  - 81% with existing national R&I programmes
  - 80% with governmental research organisations
  - 63% regional R&I and/or smart specialization strategies
- 96% considers that this partnership is very or somewhat relevant for this Horizon Europe priority (4% are neutral)
- 89%, 92% and 88% agrees with the objectives, expected impacts and relevance of the proposed partnership
- 41% supports a co-funded mode, 19% co-programmed mode and 40% considers that more information is need to assess this

# European Partnerships

## Key requirements to be addressed

- ✓ Is more effective than traditional Framework Programme calls in achieving the related objectives;
- ✓ Ensures coherence and synergies within the EU research and innovation landscape;
- ✓ Is transparent and open during its lifetime in the identification of priorities and in the involvement of relevant partners and stakeholders across the EU, and beyond Europe if appropriate;
- ✓ Demonstrates ex-ante the additionality and directionality, including a common strategic vision;
- ✓ Demonstrates ex-ante the private and/or public partners' long-term commitment

# Water4All – Next steps of preparation

- 1-2 preparatory meetings, during November together with interested public/private stakeholders, already identified in the current partnership template document and representatives from EU MS to discuss and prepare the guidance document
- Present a 1st draft of this guidance document on a side event, back to back with the EU Water Innovation Conference which is going to take place in Zaragoza, on 11/12/2019, for feedbacks

# Thank you!

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