

WATER4ALL
PARTNERSHIP

Water4All: Water security for the Planet

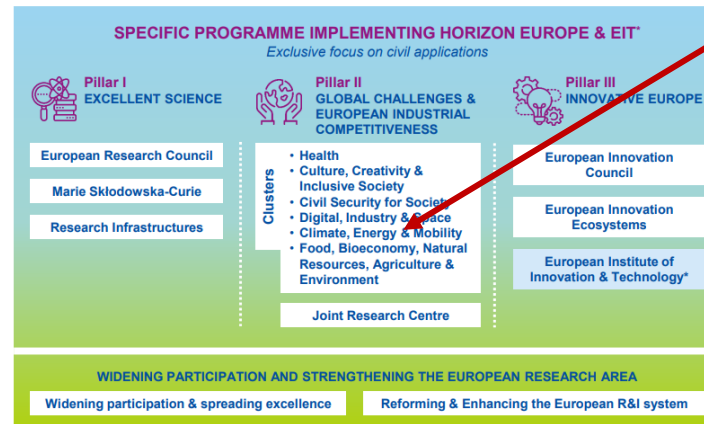
Ariane BLUM, Water4All CEO

iWATERMAP, Brussels, 15 November 2022

Why Water4All ?

- Global Water Demand : +55% from 2015 to 2050
- Annual freshwater resources per inhab. shows a large decrease for most Eastern and southern EU countries over the 1997-2017 period (e.g. Spain -65%, Malta -54%, ...)
- Effects of climate change (increasing Frequency and Intensity of water-related disasters in the future (IPCC, 2021))
- Water Framework Directive 2000/60/CE
 - 60% of the EU surface water do not achieve the good status
 - 30% of the EU groundwater
- A lot has already been done (decades of EU and national water research)

→ *With Horizon Europe: to give a fresh boost to the European Research, Development and innovation for water*



Partnerships
Pillar II, Cluster 6
Food, Bioeconomy,
natural resources,
agriculture &
environment



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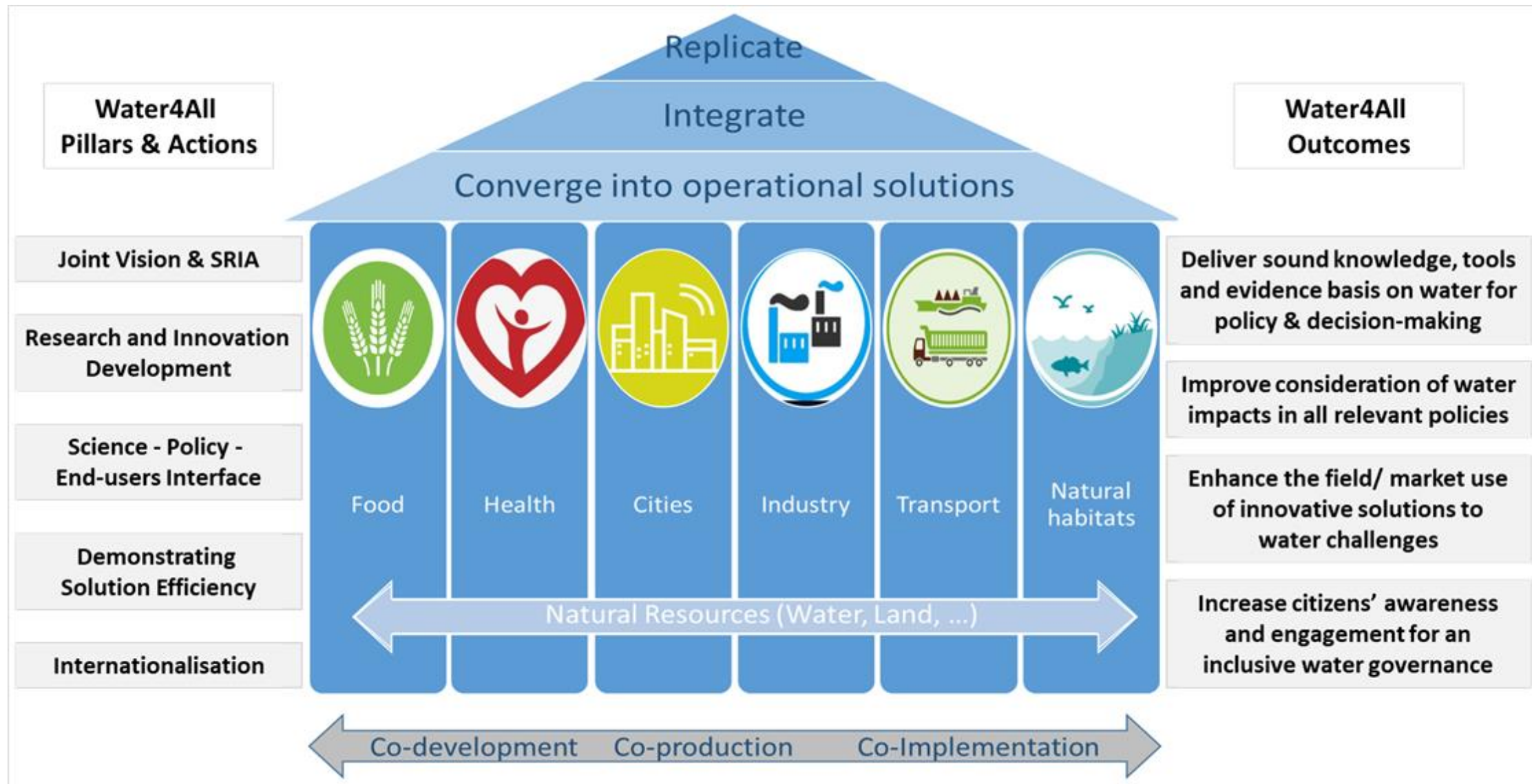
Water4All vision

- Concentrating research and innovation and the funding landscape of water in Europe and beyond
- Enabling **water security for all** on the long term by boosting systemic **transformations** and changes across the entire water research and innovation pipeline, **fostering the matchmaking between problem owners and solution providers.**
 - *cross-sectoral approach*, encompassing policy, environmental, economic, technological and societal considerations.
 - *continuum from knowledge development to the transfer and practice to the actors of policy, operators and society.*
- W4A will contribute to :
 - The **Sustainable Development Objectives** (SDG) : securing water is essential for several component
 - **EU greendeal** (water is a key component of the EU greendeal)
 - **Water related EU legislation** and regulation : Water Framework Directive, Drinking Water Directive, Flood Directive,
 - National, international policies



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Water4All approach : using a holistic approach



A co-funded partnership under Horizon Europe

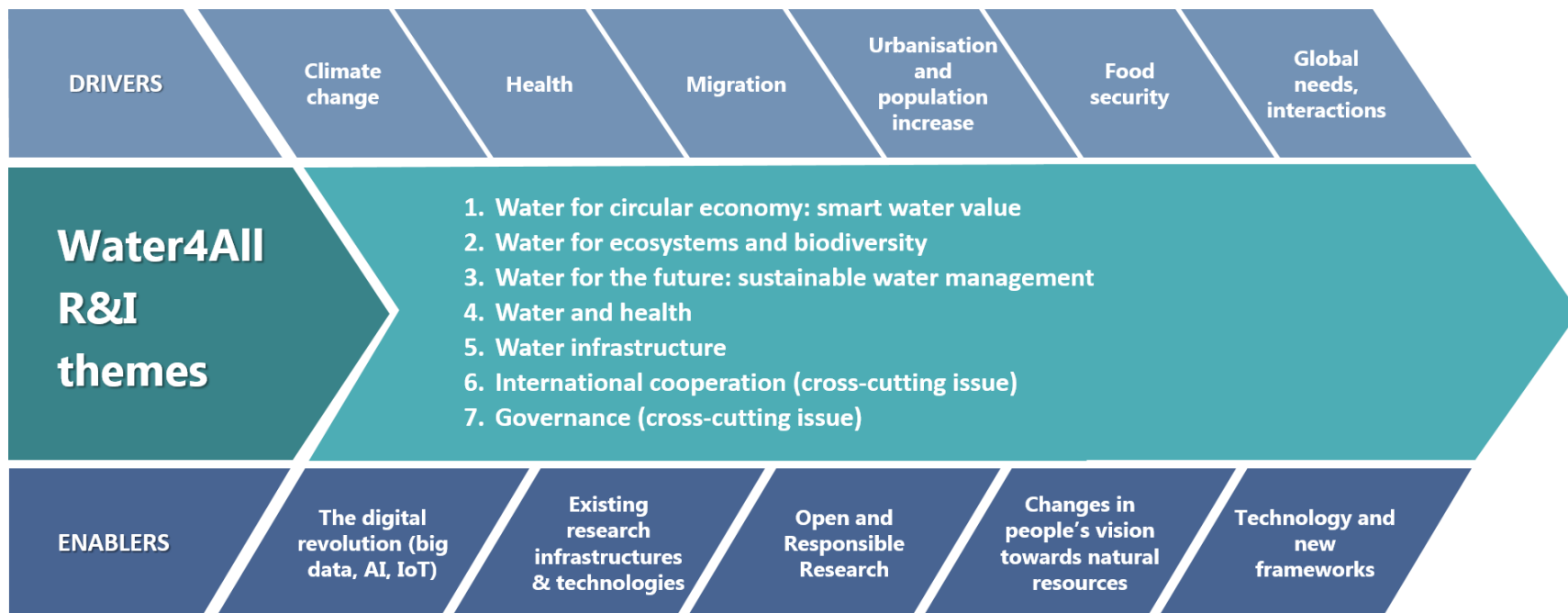
- 79 partners
 - 23 EU MS + 8 non-EU countries
 - National/regional research funders and policy makers
 - in association with other research and economic actors
- From 2022 to 2029 and beyond
 - Launch: 1st June 2022
 - Some activities may last until 2032
- Budget 1st phase : 86,7M€ (EC : 26M€, National contributions : 60,7M€)
- Total budget expected: ~420M€ (EC : 126M€)



Category	Number of partners
R&I ministries / agencies	34
Sectoral ministries /agencies	13
Local authorities	3
EU networks	3
National/regional networks	8
Research Performing Organisations	18



Water4All's RDI themes and the Strategic Research Innovation Agenda



Addressed through a variety of actions

E. Internationalisation (CNR, GSRI)

Developing international cooperation agreements
Engaging with UN Water and other international stakeholders
Developing innovative tools for cooperation

B. Research and innovation Development (AEI / FECYT)

Joint transnational calls
Thematic annual programming
Young researchers calls
Demo/transfer calls

A. Joint vision & SRIA (ANR)

SRIA Development
Mapping of programmes and impacts
Development of synergies
Dissemination

Coordination Pillar 0
ANR (France)

(Water Europe)

D. Demonstrating Solution efficiency

Water Living Labs (LLs) & demos atlas
Network of LLs/demos and roadmap for demonstration implementation
Support to development of new LLs
Market uptake support
Liaising with investors

(FORMAS, ISPRA)

C. Science – Policy - End-users interface

Knowledge hubs, policy WGs
Support to start-ups creation
PhD scheme; mobility scheme
Vocational training
Capacity building on systemic thinking
Link to research infrastructures
Toolbox for managing water data

Pillar C: Science-Policy-End-Users Interface

Pillar C is designed for fostering the uptake of R&I results by engaging industries, users and policy makers while developing skills and capacity building at the EU and international scale, both for water R&I professionals and for water stakeholders, including citizens..

The Objectives:

- **Objective 1** – Supporting **systemic knowledge transfer** to relevant policies via activities of Knowledge Hubs and policy assessment working groups,
- **Objective 2** – Fostering systemic **innovation transfer to economic sectors** by bringing together the solution providers and problem owners,
- **Objective 3** – Developing new approaches for accelerating the **uptake of projects outputs by the economic sectors** for more effective implementation at all scales,
- **Objective 4** – Being a driver of transformation by **increased capacity building of various actors** by implementing PhD schemes, mobility programs and vocational training activities,
- **Objective 5** – Supporting **Open Science & Open Access** to projects outputs and connected observatories and research infrastructures,
- **Objective 6** – Supporting **interoperability between existing Open Data portals** for sharing and reusing data across data sources.



Pillar D: Objectives

IMPLEMENTATION

of innovation through
WOLLs and Demos

INCLUSIVE DIALOGUE

between policymakers -
innovation ecosystems

CO- DEVELOPMENT

of new WOLLs and
Demo initiatives



MARKET UPTAKE

Support of innovative
solutions

WATER-SMART SOCIETY

Support the
building



Activities

- **Mapping** existing WOLLs
- Identification and **selection** of WOLLs and Demo
- Definition of a **migration roadmap** for WOLLs and Demos
- Activities to **engage, and support local actors** and the quadruple helix actors in the WOLLs
- Liaise with **investors**
- Regular **updating** on investment programs and new openings
- Identify **opportunities** beyond the water sector



Outputs

- Creation of the **Atlas** of Water Oriented LLs and Demos
- Creation of the **network** of WOLLs and Demos
- Customized **action plan** for each WOLL through *best practice guidelines* to support replication of methodologies
- to **extend** existing non-water living labs with water
- Assessment of **Voucher schema** feasibility



Pillar E : Internationalisation

- Water security is a global challenge faced by all countries. Therefore, strengthening collaboration which goes beyond Europe is considered as a **cross-cutting pillar** (involving possible contributions of international partners to all activities) with some additional and mutual benefits:
 - I. supporting the participation of countries beyond Europe in an equal footing basis;
 - II. reducing existing barriers for engaging with RDI programmes;
 - III. enlarging the role of co-design and the cooperation;
 - IV. attracting new partners in order to create the necessary critical mass for developing innovative solutions and increasing their implementation.
- The Partnership will concretely **contribute to UN SDGs achievements** by connecting R&I activities to UN Monitoring of UN SDGs and related targets and raising the level of engagement of countries by providing solutions from Water4All.
- This approach will ensure that by the end of the implementation plan Water4All should become the coordination / strategic portal for R&I programming in Water challenges.

Collaboration opportunities

- Applying to calls for projects (~ once a year)
- Widening of the consortium possible at the stage of the 2nd Grant Agreement (2024)
 - For entities belonging to one of the 6 partners categories
- ‘Observing partners’ status (join the OP board)
 - Participating in some actions on a voluntary basis
 - Without EC funding and related contractual commitment
 - Flexible list of observing partners, updated annually
 - Consortium activities described in its annual work plan
 - Modalities for formal bilateral agreement to be determined

Looking for
Regions with SRI3
on water ?



1st Water4All Joint Transnational Call

“Management of water resources: resilience, adaptation and mitigation to hydroclimatic extreme events and management tools”

- Call topics:

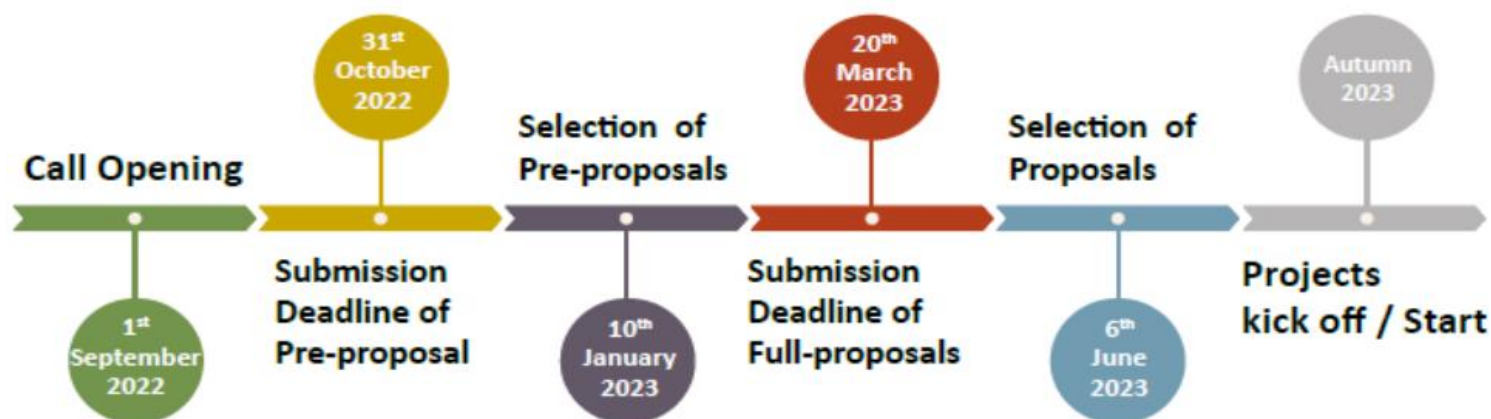
Topic 1. Resilience, adaptation and mitigation to hydroclimatic extreme events

Topic 2. Tools for water management - in the context of hydroclimatic extreme events

Topic 3. Improved water governance in the context of hydroclimatic extreme events and international contexts

- Addresses SRIA Theme III “Water for the future: sustainable water management”, the cross-cutting Theme VII “Governance” and Theme V “Water Infrastructures”.

- Budget : ~ 34 M€ (6M€ EU funding)





Thank you for your attention



Contact us !

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