







### La Partnership europea per promuovere ricerca e innovazione nell'ambito del programma Horizon Europe

27 marzo 2025,

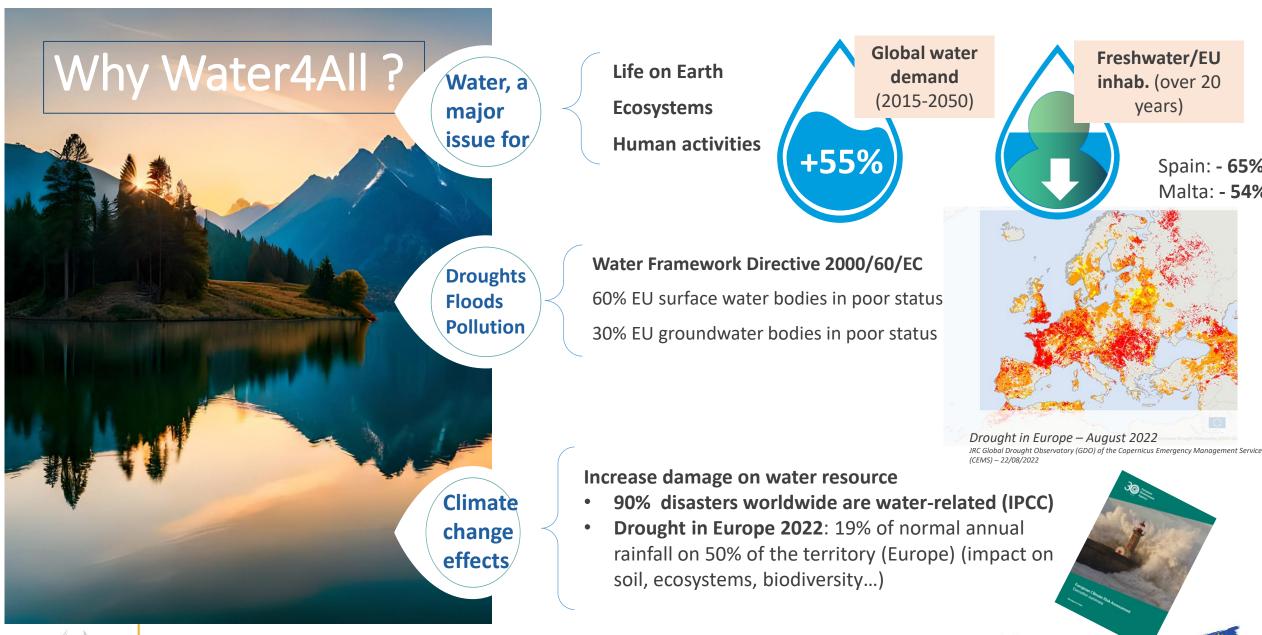
Maria Chiara Sole e Vittoria Laterza

ISPRA, Istituto Superiore per la protezione e la Ricerca Ambientale









Freshwater/EU

inhab. (over 20

years)

Spain: - 65% Malta: - 54%



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# Why Water4All ?

A lot has already been done (decades of EU, national, local water research)

 $\rightarrow$  With Horizon Europe: to give a fresh boost to the European Research, Development and innovation for water  $\rightarrow$  CO FUNDED PARTNERSHIP

■ New « Horizon Europe» framework programme → 49 thematic priorities for European Research (co-funded partnerships)







### Water4All consortium

- SP -

### Start: June 2022

### **33 countries**

**23 EU Member States** 

**10 non EU countries** 



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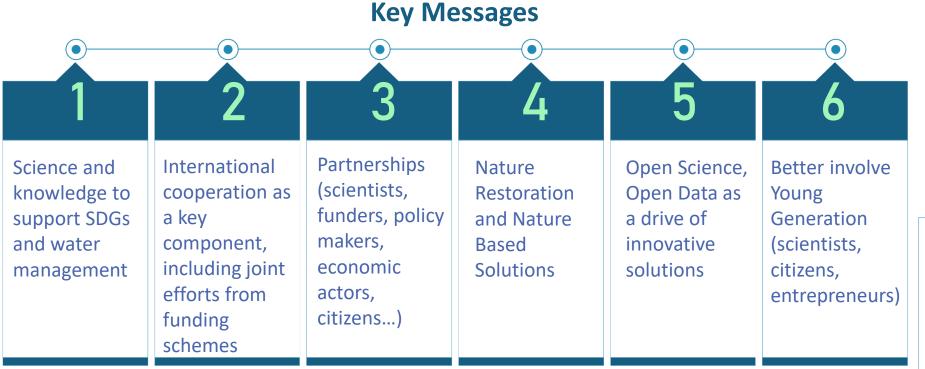
Phase 1: 86M€, 26M€ from the EC Phase 2 : from June 2024: 103 M€, 31M€ from the EC

For the decade : 420 M€ expected (126 M€ from EU)



# Water4All and the SDGs

### After UN Water Conference 2023







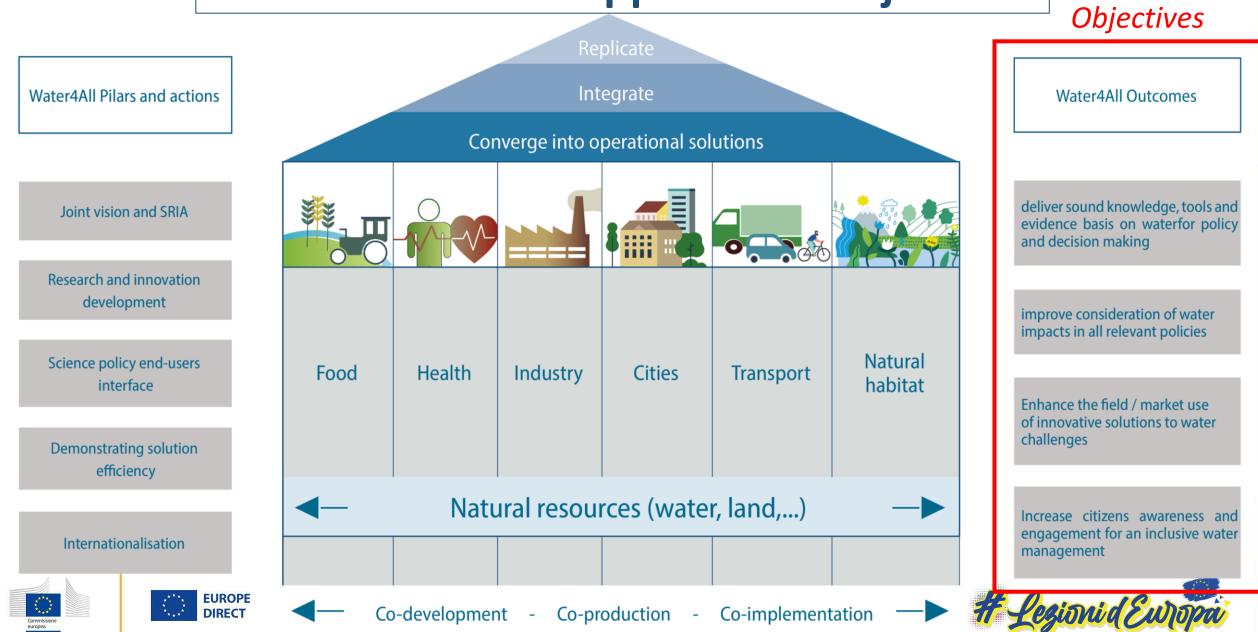




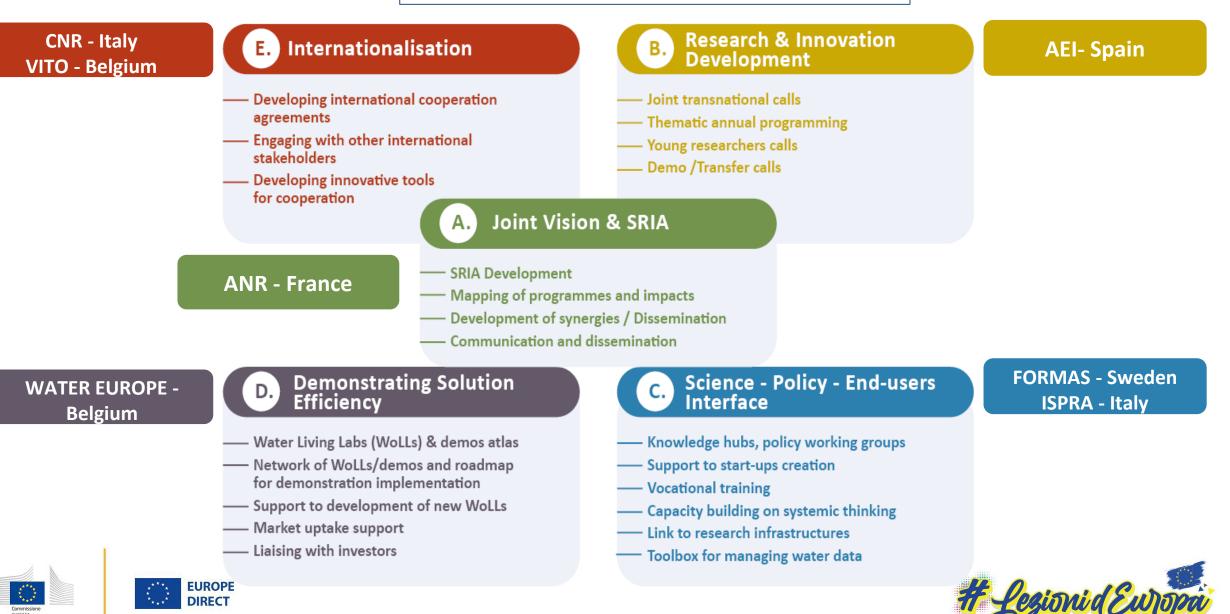
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## Water4All holistic approach & objectives Four Specific



### Water4All activities



## **Strategic Research Innovation Agenda & RDI themes**



Aligning water research, funding & application of innovative solutions

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Participants of the workshop: Alignment with national and local water-related programs

Water4All – Pillar A partners			
Funding Agency		Portugal	
Academia	15 selected	Spain	
Basin Authority	experts	Italy	
Utilities	European Commission	France	#



### Aligning water research, funding & application of innovative solutions

#### Echo on social media



Si è svolto ieri a Roma il workshop organizzato da ISPRA, in collaborazione con l'Università Politecnica delle Marche, nell'ambito di Water4AII - Partnership, la partnership internazionale sulle gestione delle risorse idriche.

Il confronto tra gli esperti e le esperte ha evidenziato l'importanza di promuovere l'allineamento tra programmi di finanziamento, strategie di ricerca e applicazioni innovative dei diversi Paesi, per affrontare le sfide idriche in modo efficace e sostenibile.



WWEELab Research Group - Università Politecnica delle M... 1.168 follower 5 giorni • Modificato • S

Aligning National and European Priorities for a Sustainable Water Future

Rome, January 23, 2025 | Horizon Europe Water4All Partnership Workshop ... altro

Mostra traduzione





Si è riunito a Roma il tavolo di coordinamento di Water4All - Partnership, il progetto nato nel 2022 per mettere assieme risorse e competenze nei vari Stati membri dell'Ue e lavorare a soluzioni comuni per "raggiungere l'obiettivo di sicurezza idrica per i diversi usi e per tutti i cittadini,", spiega la coordinatrice Esther Diez Cebollero.

#### Leggi l'articolo 👉 https://lnkd.in/dxPR7ANX

#acqua #ricerca #innovazione #europa #sicurezzaidrica #risorse #riciclatv





#### Alfonso E. • 2°

Profesor Titular de Universidad. Experto en Economía del Agua y Medioambie... 5 giorni • Modificato • S

Happy to have participated as expert in the workshop "Aligning National and European Priorities for a Sustainable Water Future" within the Water4All - Partnership, organized by ISPRA and celebrated in Rome, Italy on January 23, 2025. We have discussed how national priorities, both in terms of research projects and regional/local funding programs, align with European programs in the water sector and the strategic agenda of Water4All.

Internationally selected experts, together with the Water4All Partners and the European Commission, have reflected on the following topics: • Strategic Harmonization of Water Research and Innovation • Integrating Water4All Research Priorities into National Agendas • Monitoring and Evaluation Mechanisms for Alignment

Ø Objective: Enhance the efficiency of research investments by fostering alignment

between Member States' initiatives and the European Research Area.

Focus Countries: Italy, France, Spain and Portugal. Collaboration is essential to achieving sustainable water management and maximizing the impact of research funding across all levels. Thanks to Esther Diez Cebollero, Francesco Fatone, Maria Chiara Sole and all Water4All - Partnership partners and participants for such enriching and inspiring workshop.

> Aligning National & European Priorities for a Sustainable Water Futur

#WaterResearch #Sustainability #ISPRA #UMA

Mostra traduzione

**Rome** Workshop January 23, 2025

Water4All



...

Il Direttore dei settore **#acqua Tania Tellini** ha partecipato oggi a Roma al tavolo di coordinamento di **Water4all**, il progetto presieduto da Esther Diez, con la partecipazione di ISPRA e Università Politecnica delle Marche, nato nel 2022 per mettere assieme risorse e competenze nei vari Stati membri dell'#Ue e lavorare a soluzioni comuni per "raggiungere l'obiettivo di sicurezza idrica per i diversi usi e per tutti i cittadini.

Il workshop #Water4All coordinato da #ISPRA, insieme agli esponenti dei mondo accademico e scientifico quali: Francesco Fatone, professore dell'Università Politecnica delle Marche, Francesco Tornatore, dell' Autorità di bacino dei fiume Po, si pone l'obiettivo di "raggiungere la completa sicurezza idrica per i diversi usi e per tutti i cittadini dell'Unione".

Al momento – aggiunge infatti Tania Tellini, coordinatrice del settore acqua di **#Utilitalia** – i gestori idrici investono molte risorse nella ricerca ma non esiste un vero programma strutturato a livello nazionale né tanto meno a livello europeo". Un vuoto che Water4All vuole contribuire a riempire anche mettendo a sistema le best practice espresse dai vari Stati membri in termini di approccio sistemico tra enti di ricerca e operatori della gestione idrica.

Gii esempi non mancano, neppure a casa nostra. "Durante la pandemia – ricorda Tellini – il progetto #SARI coordinato dall'Istituto Superiore di Sanità ha coinvolto la maggior parte delle utility italiane in un'attività di sorveglianza sanitaria attraverso le acque reflue che ha dato risultati importanti. L'approccio è stato incluso a pieno titolo anche nella nuova direttiva europea sulle acque reflue". Questo esempio, con gli adeguati finanziamenti, può essere considerato un modello da seguire." Qui l'articolo di Ricicla.tv https://inkd.in/dxPR7ANX







### Water4All activities - 6 annual Joint Transnational Calls (2022-2028)

### Min. of 3 countries, max 7 partners, public-private



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



### "Additional Activities"

Identification of Research gaps, needs

International Cooperation

Training and capacity buildings, PhD Schemes

Observatories and R&I infrastructures

Support to SMEs (EU incubator, transfer...)

Water Oriented Living Labs

Platform of solutions for water management (including ecosystem restoration)

Open data, open science (knowledge hub, open database) with a transdisciplinary approach



2023 23 projects 34 M€ (6 M€ EC) "Aquatic Ecosystem Services" (59 pre-proposals in step 2) Knowledge Hub, early carrier researcher



**2024** 32 M€

"Water for Circular Economy" (pre-announcement: July. Open: Sept.)

(pre-announcement: July. Open: Sept.)

"Water and Health"

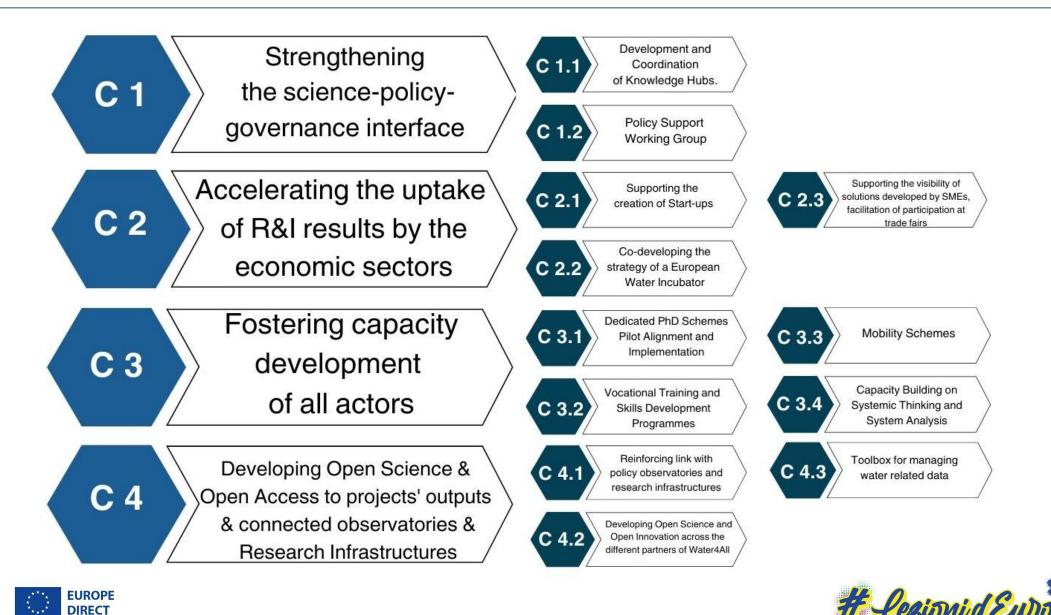


2025 32 M€



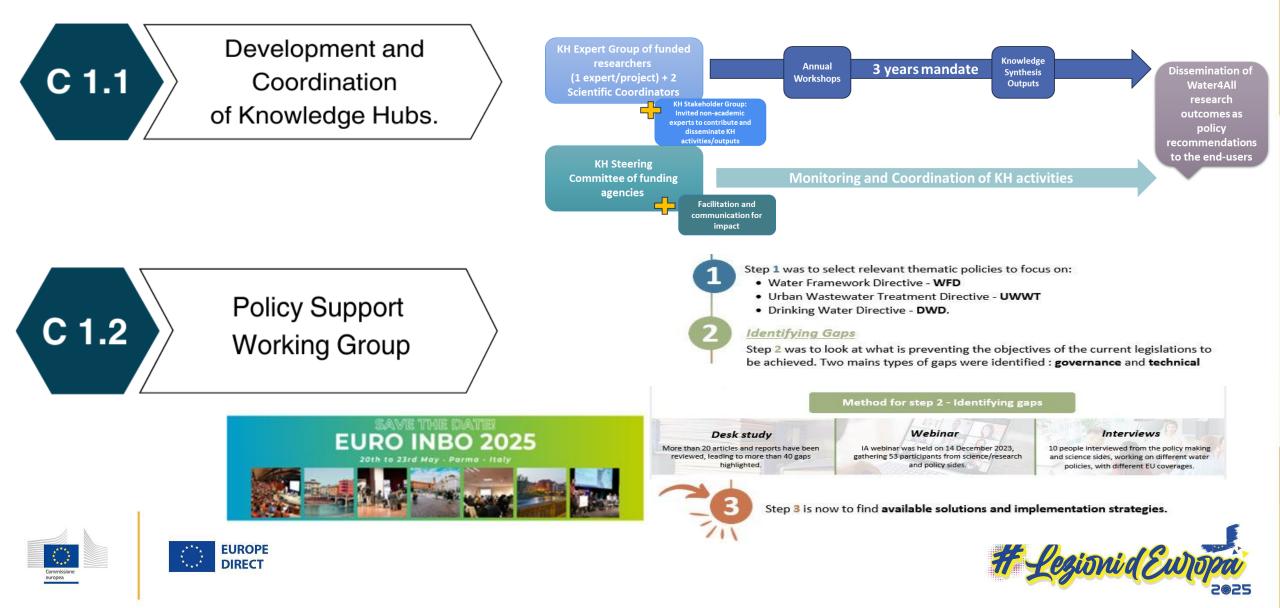


# About the Science -Policy -End-users Interface (Pillar C)





### About the Science Policy End-users Interface (Pillar C) C 1 - Strengthening the science-policy-governance interface



### About the Science Policy End-users Interface (Pillar C)

C 4 - Developing Open Science & Open Access to projects' outputs and connected observatories and Research Infrastructures



## **Demonstrating solution efficiency (Pillar D)**

To drive the transition to a Water-Smart Society, Water Europe has developed the Water-Oriented Living Lab (WOLL) concept



Innovative ecosystems that provide a 'field lab' to develop, test, and validate a combination of solutions which include technologies, their integration as well as combination with new business models and innovative policies based on the value of water.

The holistic approach of WOLL initiatives, aiming to address complex water challenges through multi-stakeholder engagement, innovation, and co-creation.







European Partnership

# **Demonstrating solution** efficiency (Pillar D) **Woll's Atlas**

https://watereurope.eu/wateroriented-living-labs

lii 🎔



2024





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he Tagliamento Living Lab (TLL) is a citizen - driven initiative that integrates acade ots action, and citizen science, engaging local co sourch grant re-constant and many of increasions. In coally in feature collaboration, identify, and

**Tagliamento Living Lab** 

Li brings together universities, research institutes, municipalities, agricultura actors, environmental organizations, NGOs, and local citizens to build a shared enderstanding of the river's multiple values - environmental ancio-outland and economic. Rey challenges include gaps in op

collects both formal and informal knowledge, and anabias structured co-design and content co-creation emong staksholders. Future plans focus or securing long-term revenue streams for occoromic sustainability and working with local communities for develops a shared states that laws are the develops' scales as a free relation for sectional



#### WOLL Representative



Physical Geography, Stockholm



hose values and flood risk management Abovic plinithis effort is Tagliamento, org. a knowledge hub that facilitaties n



between the King of Alpine rivers and the local communities. Let's build a vision to keep the Tagliamento as pristine as it gets!""





AG-WaMED Val d'Orcia Living Lab

and local ative barriers hinder their advertice to AG-WaMED : framework that incorporates non-conventional water sources into allocation

trategies. Through a participatory approach, it orgages key stake aphylions such as wastewaterreuse and optimizing relevanter storage in paramity unmanagedreservicin

The Uving Lab focuses on overcoming challenge rainwater reservoirs, serving as a modul for co-produced water management plans. The approach developed in AG-WaMED can be replicated in similar contests appro-Europe and beyond, demonstrating how adaptive strategies can enhance wate adiance in climate-vulnerable apricultural lands capes

PRIMA Determine





Water-Oriented Living Labs (WOLLs) are innovation ecosystams that co-create sustainable water solutions through stakeholder collaboration in real-life settings Supported by the Water 4 All Partnership's Pillar D, WOLLs drive the development nstration of water-smart solutions to enhance water security across Europe. This page is continuously updated in real time with the latest WOLLs, while ment can be accessed here: Alla

WOLL type + Location

**₩ater**4All

in 😏

WOLL typ

"Managing water resources in a

changing climate requires

adaptive strategies also in Italy.

Water Harvesting and Small

Agricultural Reservoirs represent

a sustainable solution, but

coordination and enabling

policies are necessary."

VesperX

Freshwater Competence

Contro





AG-WaMED Val d'Orcia Living Lah.

City of Mechelen Tagliamento Living Lab







Herk and Mombeek Living Lab Port of Antwerp - Bruges Water Climate Hub Water Valley Denmark

in M





Water Management Innovation



PIREN-Seine



Canale Reale River Contract Wirri - Wise Irrigation

HYGLO

National Water Table FWA Lisbon Water Smart Living La





""There is a unique bond

Floma Brosn Florence and AG-WaMED project Coordinator

aid Deris, a UNESCO World Hadrage cultural landscape, has a strong apticultural and

### **About international activities (Pillar E)**

- International strategy published
- Streightening the collaboration with UNESCO (Inter-governemental Hydrologic Programme – IHP)
- International conferences
  - **UN Water Conference 2023**

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 $\rightarrow$  Next one in 2026



- World Water Forum Bali, 24-28 May 2024 Water4All has contributed to (Topic 6) : "Knowledge and innovation"
  - TCG 6A. Smart Water Management and technological innovation
  - TCG 6D. Upscaling of water information systems
- High Level Panel Session on "Water Information System"















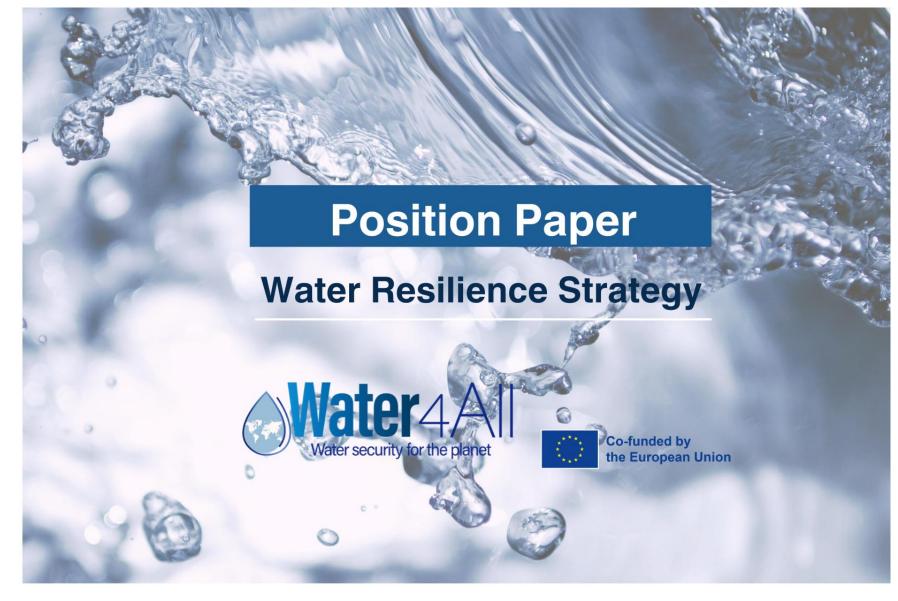
Water4All's

International -ooperation

Strategy





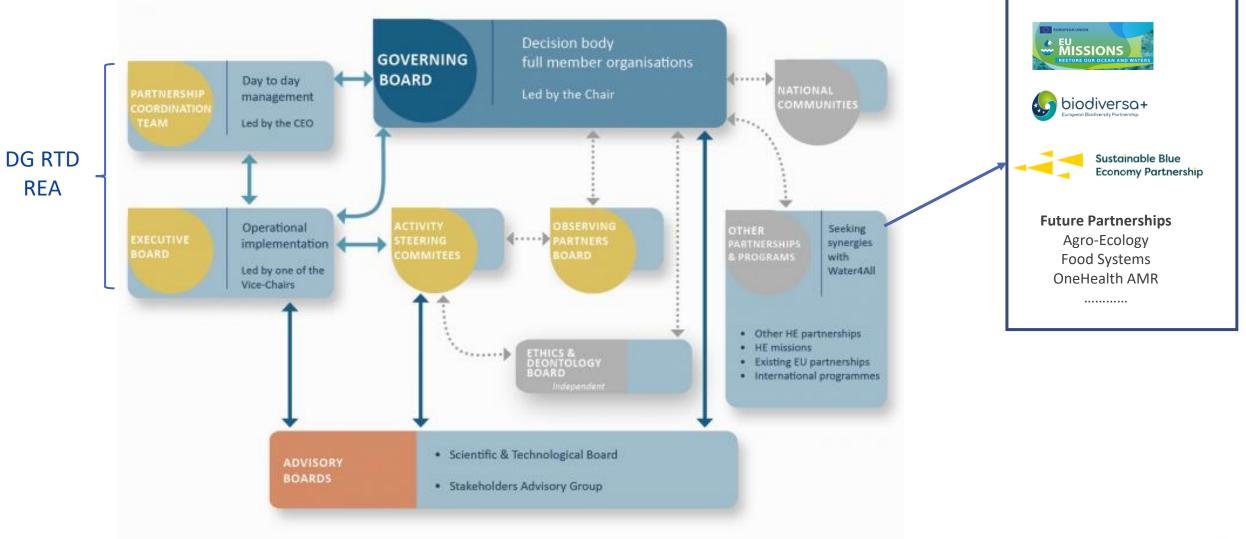








# Water4All governance













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### https://www.water4all-partnership.eu/

in











Commission europea







