

Water challenges for a changing world

Water4All 2022 Joint Transnational Call Announcement

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



Water4All 2022 Joint Transnational Call - Now Open!

Thirty-Four Funding Agencies from all over Europe and abroad are pleased to announce a joint transnational call for research and innovation projects on:

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

The joint transnational call will be launched in the framework of the European partnership Water4All and will support research and innovation projects aimed at delivering knowledge, models, approaches, tools and methodologies to better understand hydrological processes at different scale, in order to respond more efficiently to emerging water issues related to extreme events. In line with the strategic objectives of Water4All, the results of the projects will contribute to the implementation of evidence-based, global, EU and national water management policies and strategies, within the frameworks of the Green Deal, the Water Framework Directive, Just Transition and the United Nations Sustainable Development Goals. Furthermore, governance playing a key role in water challenges, the 2022 Joint Transnational Call will seek for innovative governance models, and enhanced participation of stakeholders in water management issues related to extreme events.

Call Topics:

The call will focus on solutions for hydroclimatic extreme events, as described in the [Water4All Strategic Research and Innovation Agenda](#) Theme III “Water for the future: sustainable water management”, as well as address the cross-cutting Theme VII “Governance” and Theme V “Water Infrastructures”. Research & innovation proposals submitted under the Water4All 2022 Joint Transnational Call are required to **address at least one of the following topics**:

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

- Addressing knowledge gaps in our understanding of the causes of water scarcity, drought events, seasonal variability in climate impacts to develop adaptation and mitigation measures, taking climate change into account.
- Developing and demonstrating innovative (or improved) societally acceptable adaptation and mitigation strategies to cope with hydro-climatic extreme events and their increase in length and duration. This includes floods and droughts, although is not limited to them, adopting a regional or a basin scale wide approach.
- Improving resilience and adaptation capacity of water infrastructure (e.g., industrial water facilities, urban networks, wastewater treatment facilities, stormwater management systems and rural systems) to hydroclimatic extreme events.

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

- Developing tools (e.g., multi-risk approach, decision support tools, monetary/non- monetary costs valuation) to support the design and implementation of strategies for adaptation and mitigation to hydro-climatic extreme events, especially floods (including “flash-floods”), heat waves and droughts in a catchment to sea perspective.
- Generating new methodologies, tools and models for water resources assessment/modelling for water bodies in scarcely monitored /data scarce areas. A combination of physical and digital solutions is expected, and opportunities provided by citizen science should be seized.
- “Smartening the water system” and use of innovative digitalization, including improved/new sensors, models, communications and computing technologies.

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

- Undertaking an analysis and developing robust Governance models for the management of water resources in the context of extreme events, is critical increasing the decision-making capacity of institutions and involvement of citizens. This should include ways of improving coordination between water managers to increase our capacity to reduce vulnerability to extreme events, as well as effectively respond to them.
- Addressing and encouraging international cooperation in the field of water, including management of transboundary water resources and contribution to Water Diplomacy.

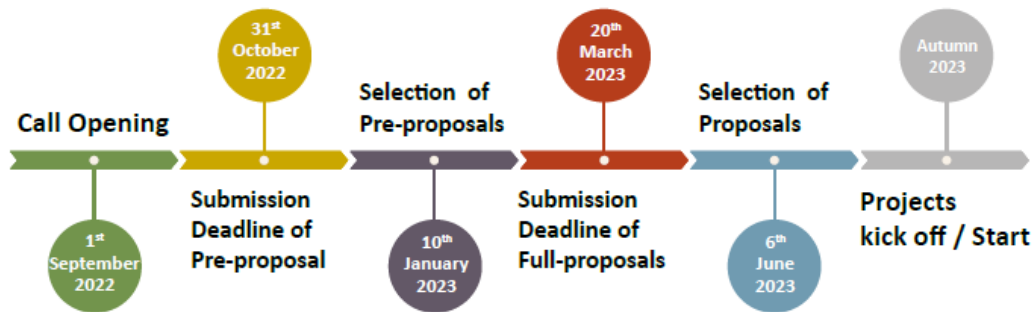
Please note that it is not compulsory to address all subtopics within a topic in the proposals.

Click [here](#) to read the Call Announcement.

Call publication and tentative timeline:

The call is **NOW OPEN!**

- Call Opening: 1st September 2022
- Submission Deadline of Pre-proposal: 31st October 2022 at 15:00 (CET)
- Selection of Pre-proposals: 10th January 2023
- Submission Deadline of Full-proposals: 20th March 2023
- Selection of Proposals: 6th June 2023
- Projects kick off / Start: Autumn 2023



Participating countries and funding organisations

- [List of funding partner organisations and national contact points.](#)
- [List of national/regional regulations.](#)

The following funding organisations have agreed to participate in the Water4All joint transnational call 2022:

	Austria	Fonds zur Förderung der wissenschaftlichen Forschung - FWF
	Belgium	Agentschap Innoveren & Ondernemen - VLAIO
		Fonds Voor Wetenschappelijk Onderzoek-Vlaanderen – FWO
		Fonds de la Recherche Scientifique - F.R.S.-FNRS
	Brazil	Brazilian National Council of State Funding Agencies – CONFAP
		Brazilian National Council for Scientific and Technological Development – CNPq
	Czech Republic	Technology Agency of the Czech Republic - TA CR
	Denmark	Innovation Fund Denmark – IFD
	Estonia	Sihtasutus Eesti Teadusagentuur – ETAg
	France	Agence Nationale de la Recherche – ANR
	Germany	Federal Ministry of Education and Research – BMBF
	Hungary	Nemzeti Kutatási, Fejlesztési és Innovációs Hivatal – NKFIH
	Ireland	Environmental Protection Agency of Ireland – EPA
	Israel	Ministry of Energy – MoE
	Italy	Ministero dell'Università e della Ricerca – MUR

		Ministero dello Sviluppo Economico – MISE
	Latvia	Latvijas Zinatnes padome – LZP
	Lithuania	Lietuvos mokslo taryba - LMT
	Luxembourg	Luxembourg National Research Fund – FNR
	Malta	Ministry for Environment, Energy and Enterprise – MEEE
	Moldova	National Agency for Research and Development – NARD
	Netherlands	Dutch Research Council - NWO
	Norway	Research Council of Norway – RCN
	Poland	Narodowe Centrum Badań i Rozwoju – NCBR
	Portugal	Fundação para a Ciência e a Tecnologia - FCT
	Romania	The Executive Agency for Higher Education, Research, Development and Innovation Funding – UEFISCDI
	Slovakia	Slovak Academy of Sciences – SAS
	South Africa	Water Research Commission - WRC
	Spain	Agencia Estatal de Investigación – AEI
		Centre for the Development of Industrial Technology - CDTI
	Sweden	The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning – FORMAS
	Switzerland	Swiss National Science Foundation – SNSF
	Turkey	Türkiye Bilimsel Ve Teknolojik Arastirma Kurumu – TUBITAK
	United Kingdom	Engineering and Physical Sciences Research Council - EPSRC UKRI

The participation of applicants from other countries is allowed, if they have their own separate source of funding or if funds by another source are guaranteed (i.e., by a national or international funding organisation).

Support for Applicants:

Information Webinar for Applicants: 23rd of September - *More information soon!*

Submission Platform: Click [here](#)

Partnering tool: Click [here](#)

Guidelines for pre-proposal submission: Click [here](#)

For more information, please contact:

Water4All Call Secretariat

Aldo Covello, Maria Bianco

MUR - Ministry of Universities and Research

DG for internationalization and communication

E-mail: water4all2022_callsecretariat@mur.gov.it

Duration of the project:

The international RD&I projects duration should be 36 months.

Budget:

Over 30 M€ have been provisionally allocated for this Joint Transnational Call by the participating Funding Partner Organisations, including support from the European Union.

About Water4All Partnership

The **Water4All partnership** is starting in 2022 under the auspices of the European Union Horizon Europe programme for research and innovation, to concentrate research and innovation on water in Europe and beyond. Water4All's Vision is to "**boost 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**".

To strengthen the water Research Development and Innovation (RD&I) collaboration, to produce and to share top class water-related knowledge and data, Water4All will launch a series of **annual Joint Transnational Calls (JTCs)**. The topics for the calls will be drawn from the water challenges identified in the [Water4All Strategic Research and Innovation Agenda](#) and will pool national financial resources through the participation of ministries, authorities and funding organisations.

To know more about the partnership [click here](#)



Co-funded by
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