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The Global Water Security Issues Paper Series and the Year of Groundwater

Global Water Security Issues – Management and techniques for reliable groundwater access

(27 September – 15:00 CET)

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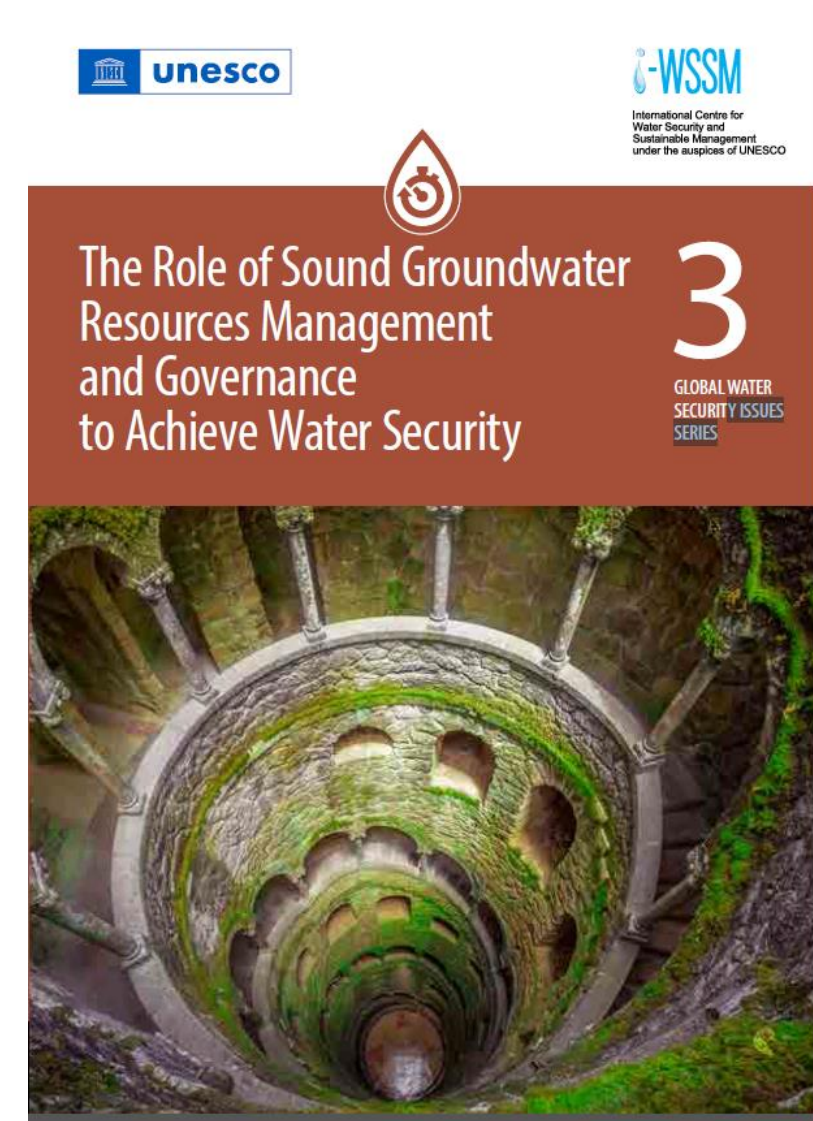
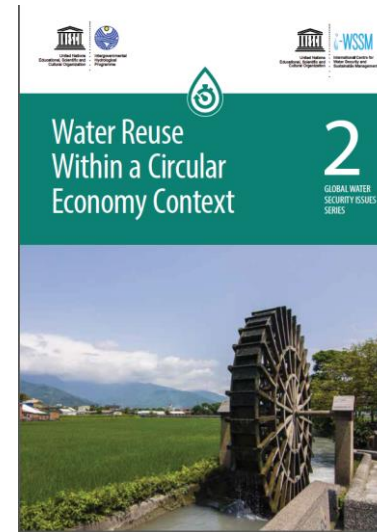
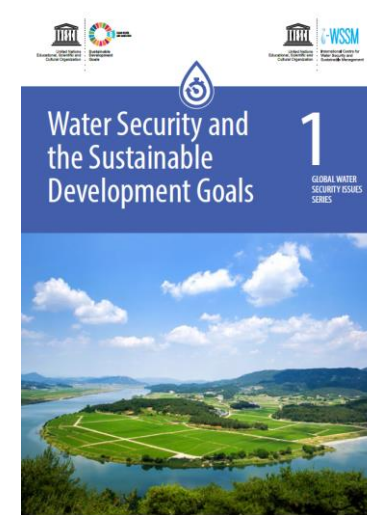
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UNESCO and The Global Water Security Issues Paper Series

The GWSI Series

- The 'GWSI Paper Series' aims at documenting emerging water security-related issues and analyses, by publishing original work of experts.
- The series contributes to the better understanding of the economic, social, political, technological and institutional influences on current global water security, in connection to the SDGs, and to other relevant global agendas (Sendai, Africa 2063, New Urban Agenda).
- Each year, a theme is selected and 15 experts invited to contribute, with attention to ensure geographical and gender balance.
- UNESCO, IWRA and i-WSSM coordinate the preparation of the publication, which is co-published by UNESCO and i-WSSM.



Global Demand for Water

Water is expected to grow annually by 1% over the next 30 years

UN WATER



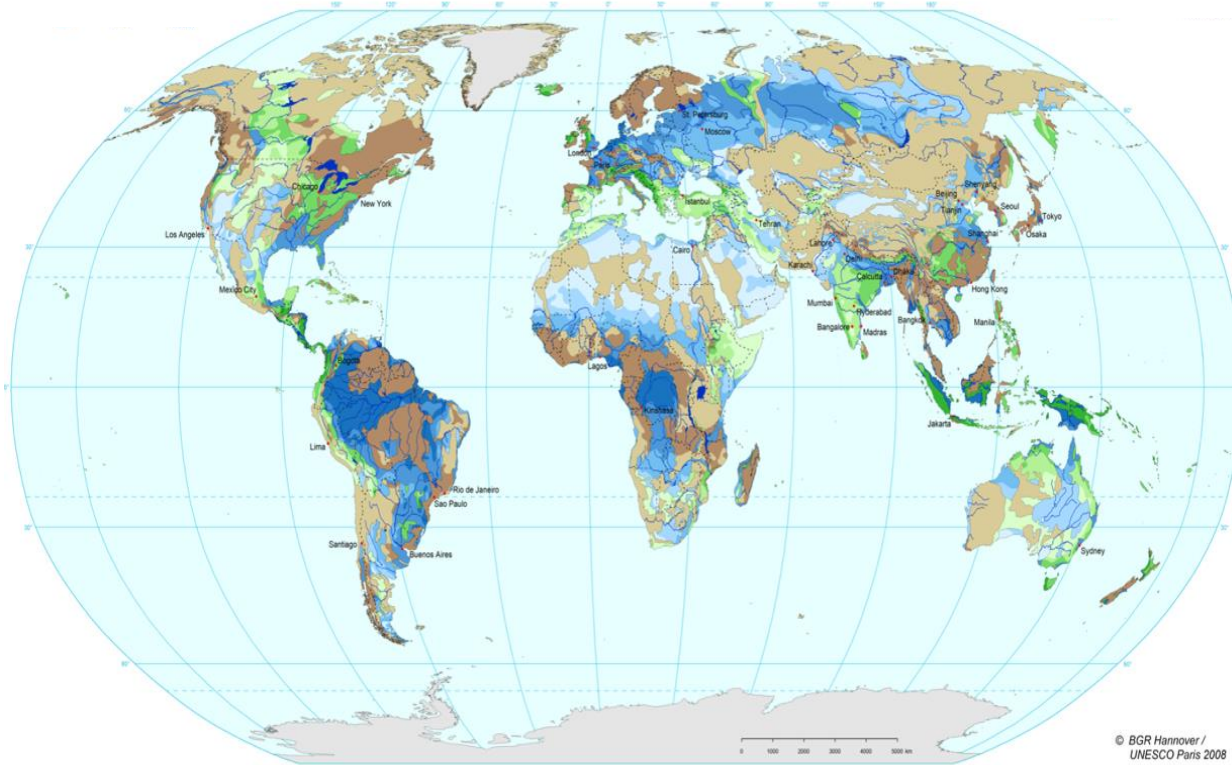
Water use is projected to grow by 1% per year over the next 30 years



Volume 3: The Role of Sound Groundwater Resources Management and Governance to Achieve Water Security



Groundwater Resources of the World

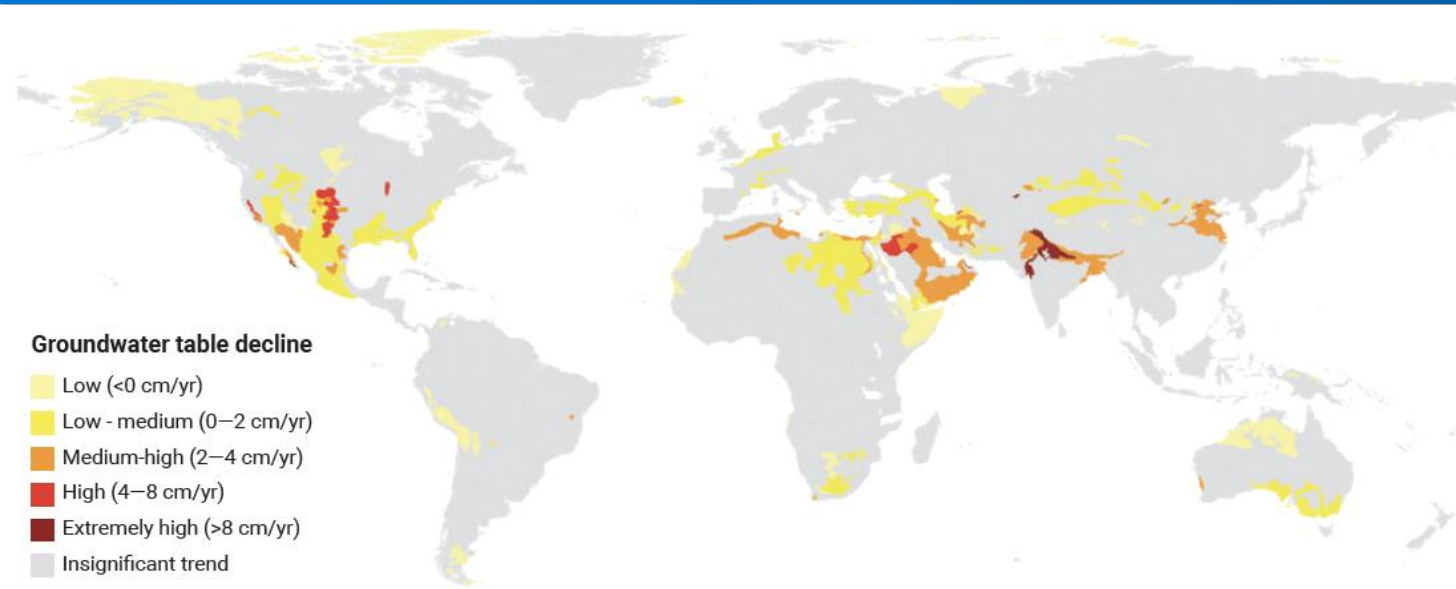


Global distribution of groundwater under different geological conditions

Why groundwater?

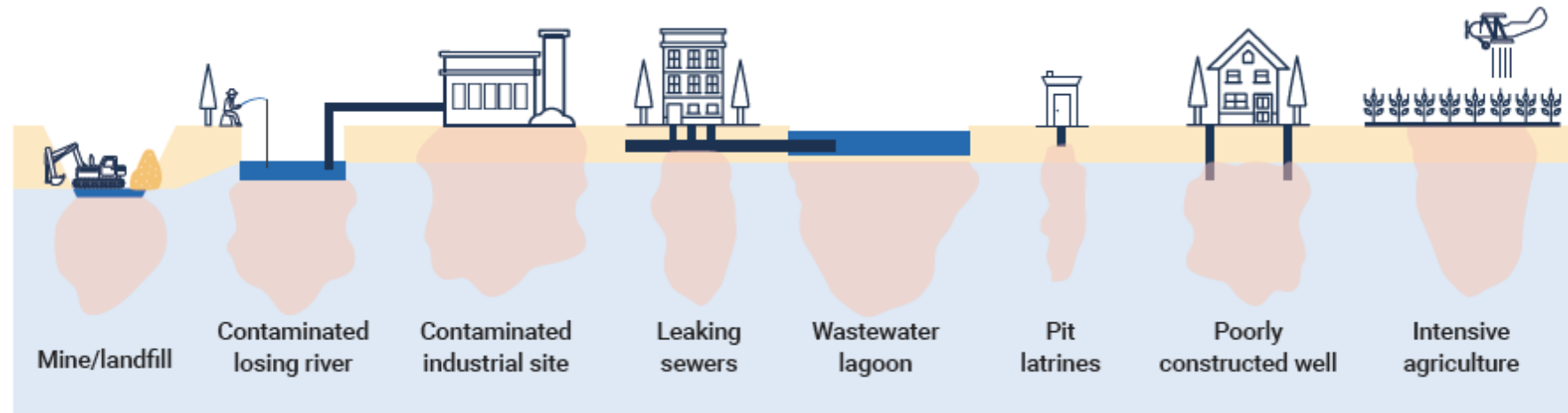
- Groundwater accounts for 99% of all liquid freshwater on Earth.
- Groundwater is critical to maintaining water, food and energy security, to the fight against poverty, to the creation of decent jobs, to socioeconomic development, and to the resilience of societies and economies to climate change. It also plays an essential role in sustaining healthy ecosystems.
- However, it is often poorly understood and consequently undervalued, mismanaged and even abused.
- In spite of its overall abundance, groundwater remains vulnerable to over-exploitation and pollution.

Challenges and Constraints: Groundwater Depletion



Most cases of long-term groundwater storage depletion result from intensive groundwater abstraction

Groundwater pollution is a virtually irreversible process

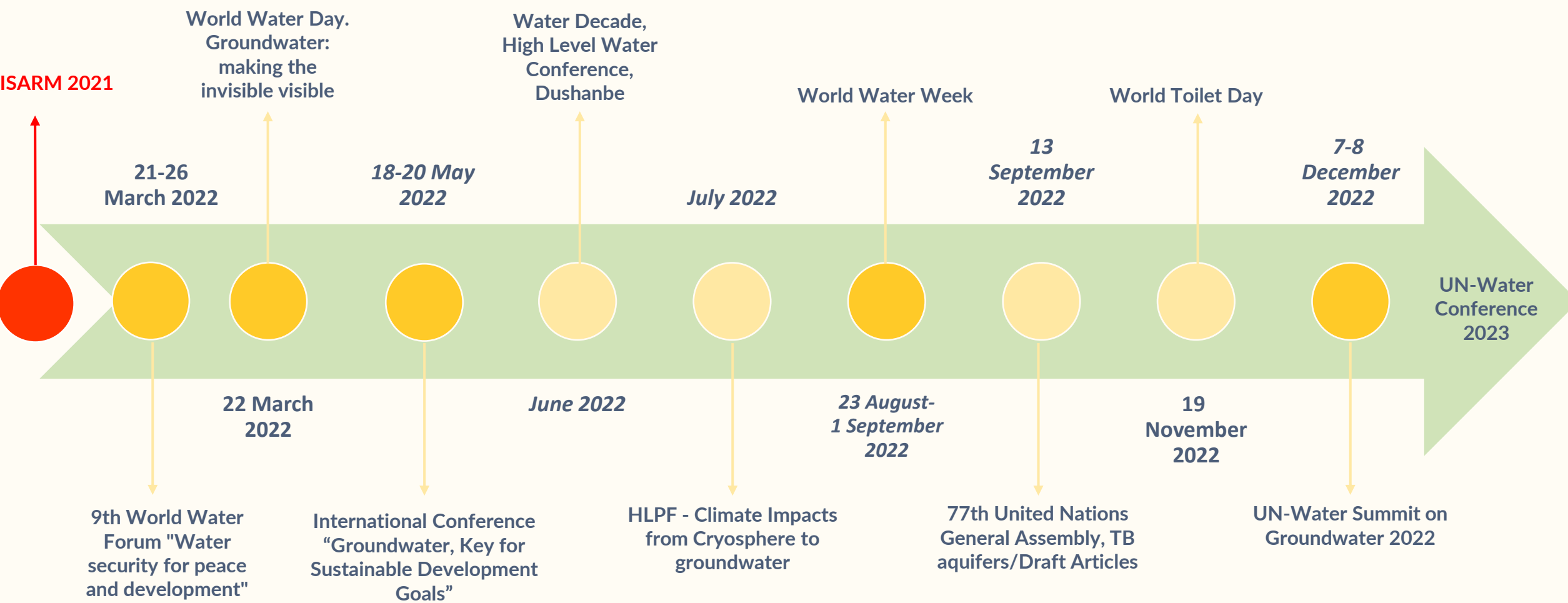


2022: a special year for Groundwater

- UN-Water declared Groundwater: Making the Invisible Visible, as the theme for the World Water Day 2022.
- UNESCO, together with its International Groundwater Resources Assessment Centre (IGRAC), is leading the World Water Day 2022 campaign on behalf of UN-Water; the campaign will remain active throughout the year.
- UNESCO is coordinating the organization of and participation to a series of key events related to groundwater, aimed at conveying a message about the importance of these hidden resources to the UN intergovernmental Water Conference taking place in March 2023.



Groundwater: Making the invisible visible in 2022 and beyond



Events in the first Semester of 2022

22 March 2022: Main celebration of the WWD at the 9th World Water Forum, Dakar, Senegal



H.E. Isatou Touray,
Vice President Gambia



Mr Teodoro Estrela Monreal, DG
Water, Ministry for the
Ecological Transition and
Demographic Challenge, Spain



H.E. Serigne Mbaye Thiam,
Minister of Water and
Sanitation, Senegal



Passing the Groundwater baton to Ms Asma El Kasbi, Vice-President
World Water Council



Youth Network
expert



World Water Day Photo Contest 2022

The Lions Club of Seregno AID is organising the sixth edition of the World Water Day Photo Contest focusing on the theme of 'Water - making the invisible visible'. The competition is open to all lovers of photography and to ...

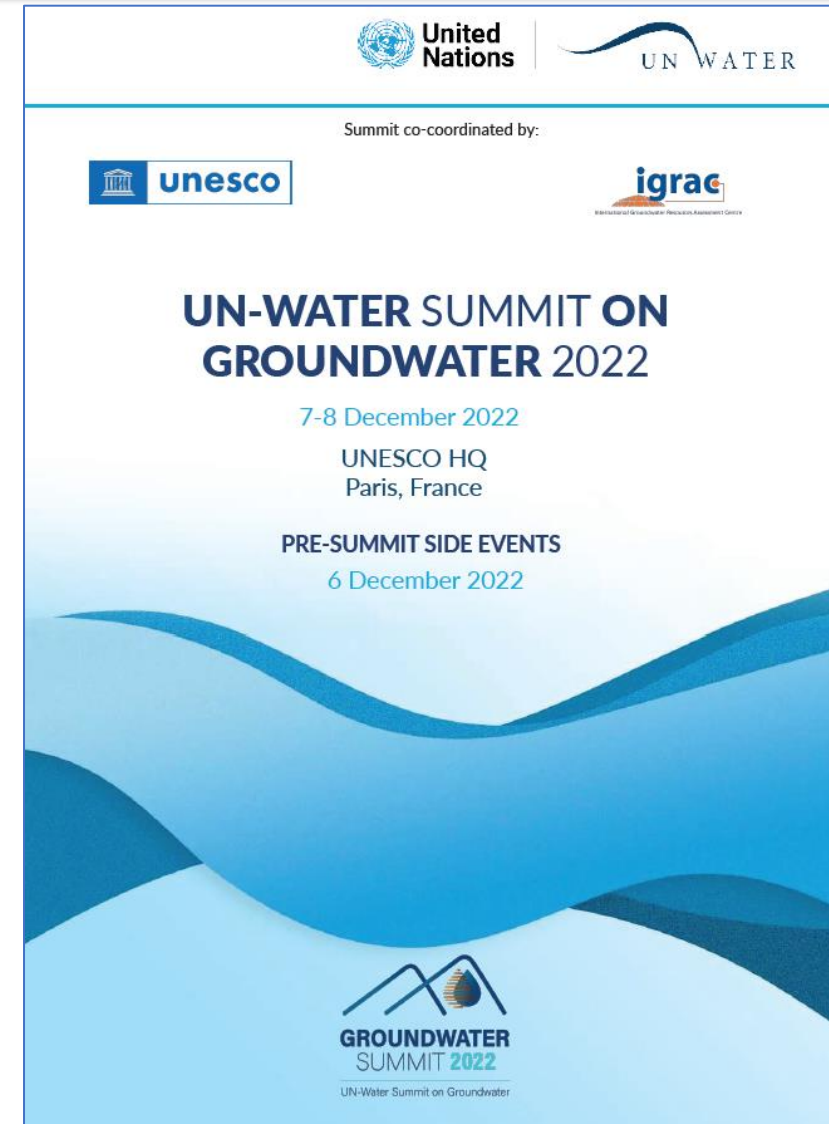


UN-Water Summit on Groundwater

The **UN-Water Summit on Groundwater** will take place on 7th and 8th December 2022 at UNESCO HQs, Paris, and is foreseen in hybrid mode, both in presence and remotely. The 6th December will be a **Pre-Summit** day, devoted to side-events only.

The Summit will use as baseline the **World Water Development Report 2022** focused on Groundwater, and the **SDG 6 Global Acceleration Framework** as a guideline to define actions towards more **responsible and sustainable use and protection of this vital natural resource**.

➤ www.groundwater-summit.org



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UN-Water Summit on Groundwater

The Summit will draw attention to the topic of groundwater at the **highest international level**, while also serving as a culminating event for the ‘**Groundwater: Making invisible visible**’ campaign that has run throughout 2022.

The Summit will unify the statements from all major groundwater-related events into one, comprehensive groundwater message for the UN 2023 Water Conference.

PROGRAMME OVERVIEW

- Opening session
- 5 Sessions on groundwater and SDG6 accelerators
- 5 Thematic sessions
- Closing Session
- Side Events

	Tuesday 6 December	Wednesday 7 December	Thursday 8 December
09:00-09:30	Side Events	Opening Ceremony	Regional Dialogues
09:30-10:00			Transboundary Aquifers
10:00-10:30			
10:30-11:00		Coffee Break	Coffee Break
11:00-11:30		Groundwater and Acceleration Instruments for SDG6 Data and Information	
11:30-12:00		Groundwater and Acceleration Instruments for SDG6 Capacity development	Groundwater: Focus on Africa
12:00-12:30			
12:30-13:00		Lunch	
13:00-13:30			
13:30-14:00			
14:00 - 14:30		Strengthening Interface Science-policy Practice	
14:30 - 15:00			Groundwater and Acceleration Instruments for SDG6 Finance
15:00 - 15:30		Groundwater and Acceleration Instruments for SDG6 Innovation	Groundwater Youth Forum
15:30 - 16:00			
16:00 - 16:30		Tea Break	
16:30 - 17:00		Tea Break	Closing Ceremony
17:00 - 17:30		Groundwater and Acceleration Instruments for SDG6 Governance	
17:30 - 18:00			
18:00-20:00		Welcome cocktail	



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Thank you!

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