

Applying UNFC to Groundwater Resources

By Peter van der Keur, Chair Groundwater Resources WG
and Kevin Parks, Chair 2020-2022



RESOURCE MANAGEMENT WEEK 2023
ASSURING SUSTAINABILITY IN RESOURCE MANAGEMENT



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Applying UNFC to Groundwater Resources



Groundwater Resources high on the global agenda

IWA World Water Congress & Exhibition, September 2022



UN-WATER SUMMIT ON
GROUNDWATER 2022



summit co-ordinated by



SIDE EVENT 05
How research and innovation can contribute to solve groundwater challenges and accelerate transitions



UN
2023 WATER
CONFERENCE

NEW YORK
22-24
MARCH
2023

SIDE EVENT

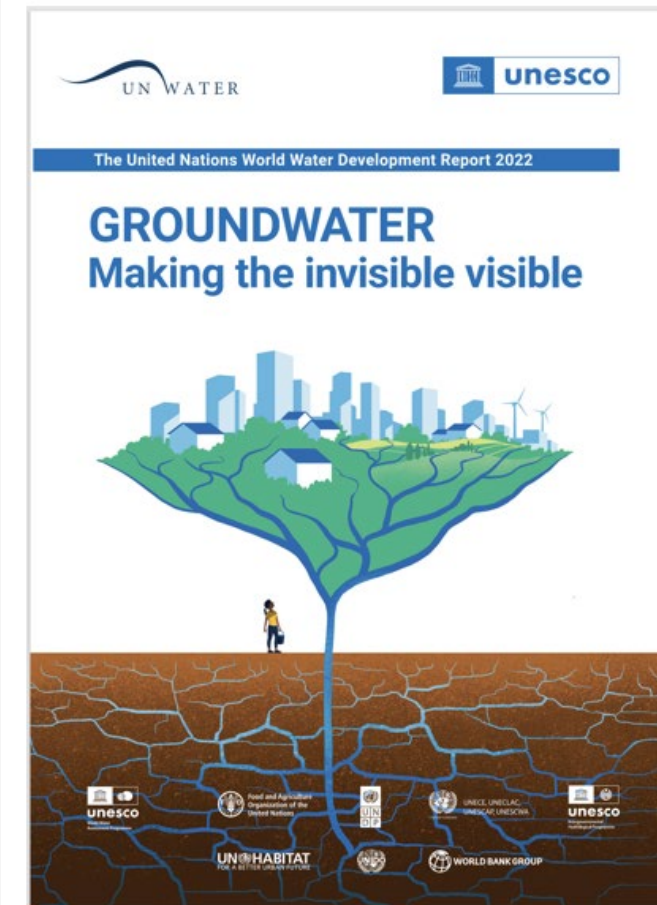
Groundwater:
An Invisible
Cross-Sectoral
Fundament for
Implementation
of the Water
Action Agenda

24 March, 8:00-9:15

Applying UNFC to Groundwater Resources



2022 UNESCO Year of Groundwater



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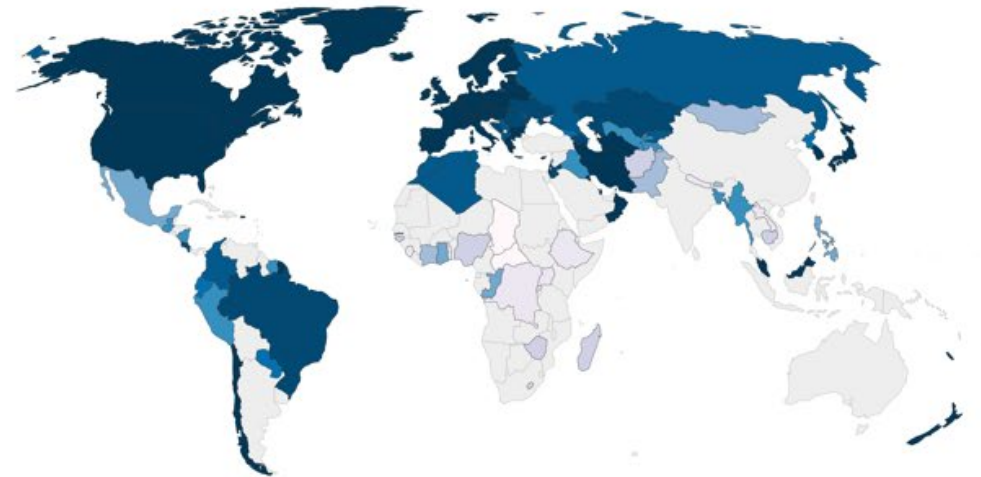


SDG 6: The SDG Water Goal



Share of the population using safely managed drinking water, 2020
A safely managed drinking water service is defined as one located on premises, available when needed and free from contamination.

Our World in Data

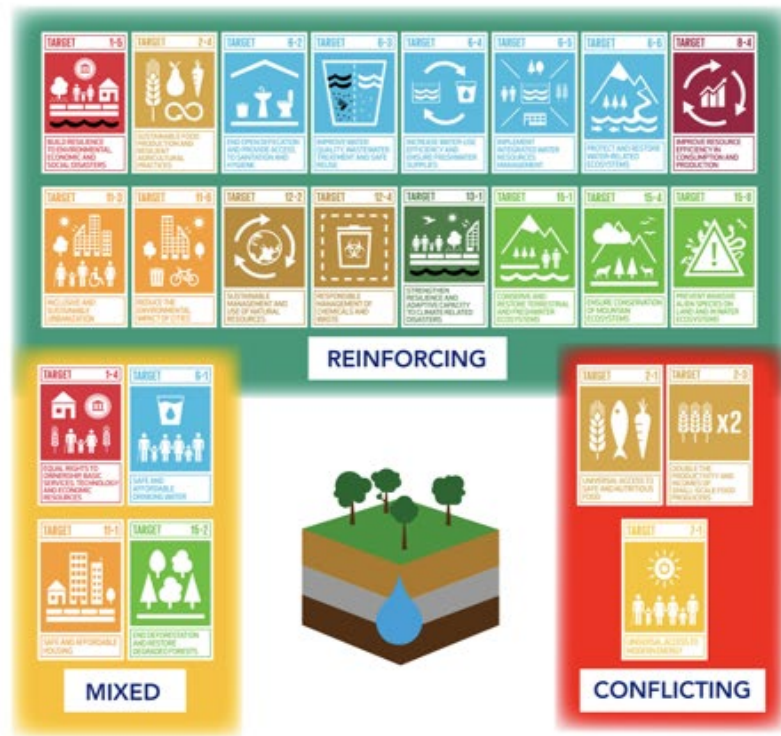
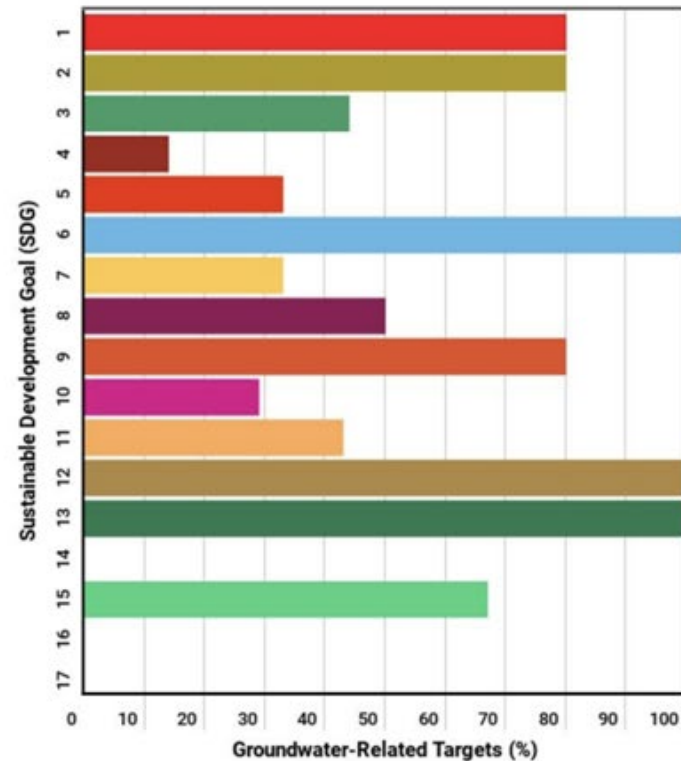


Source: WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene (JMP) OurWorldInData.org/water-access • CC BY

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Groundwater Reinforces SDG Targets

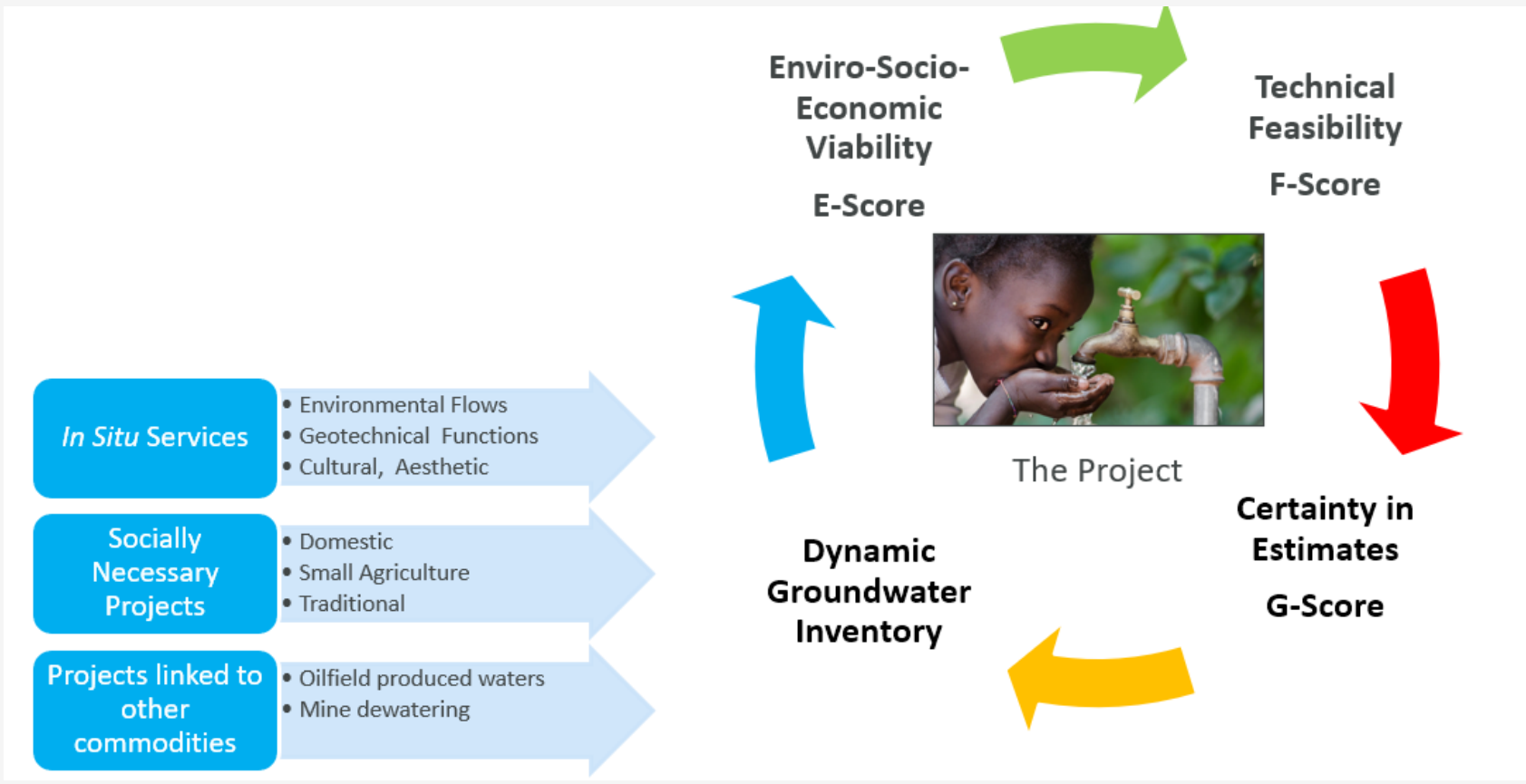


Guppy, L., Uyttendaele, P., Villholth, K. G., Smakhtin, V. 2018. Groundwater and Sustainable Development Goals: Analysis Of Interlinkages. UNU-INWEH Report Series, Issue 04. United Nations University Institute for Water, Environment and Health, Hamilton, Canada

Applying UNFC to Groundwater Resources



UNFC Groundwater Specifications: General Design



Applying UNFC to Groundwater Resources




UNFC Groundwater Supplemental Specifications:

Work in Progress

Renewable/non-renewable resources

Flowchart

IAH hosted Network proposal

United Nations ECE/ENERGY/GE.3/2021/12
 **Economic and Social Council** Distr.: General
10 February 2021
Original: English

Economic Commission for Europe
Committee on Sustainable Energy
Expert Group on Resource Management

Twelfth session
Geneva, 26-30 April 2021
Item 8(g) of the provisional agenda
Development, maintenance and implementation of the United Nations Framework Classification for Resources:
Groundwater Resources

Draft United Nations Framework Classification for Resources

Supplemental Specifications for Groundwater Resources

Prepared by the Expert Group on Resource Management Groundwater Resources Working Group

Summary

Groundwater is the water found beneath the earth's surface within the cracks, pores, caverns, and other openings in rock, sediments, and soils. The purpose of the United Nations Framework Classification for Resources (UNFC) Supplemental Specifications for Groundwater Resources is to provide groundwater practitioners with technical guidance on how to apply UNFC to groundwater-resource projects. The intended audience of these specifications is evaluators and groundwater professionals who possess an appropriate level of expertise and relevant experience in the operation of groundwater projects and the estimation of groundwater quantities.

The development of this document will take into consideration comments received from the Technical Advisory Group and feedback from the twelfth session of the Expert Group on Resource Management. This document incorporates the changes introduced by the recent update of UNFC (2019).

Thank you!

Peter van der Keur
Chair Groundwater Resources WG

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Date 27 | 04 | 2023, Geneva



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