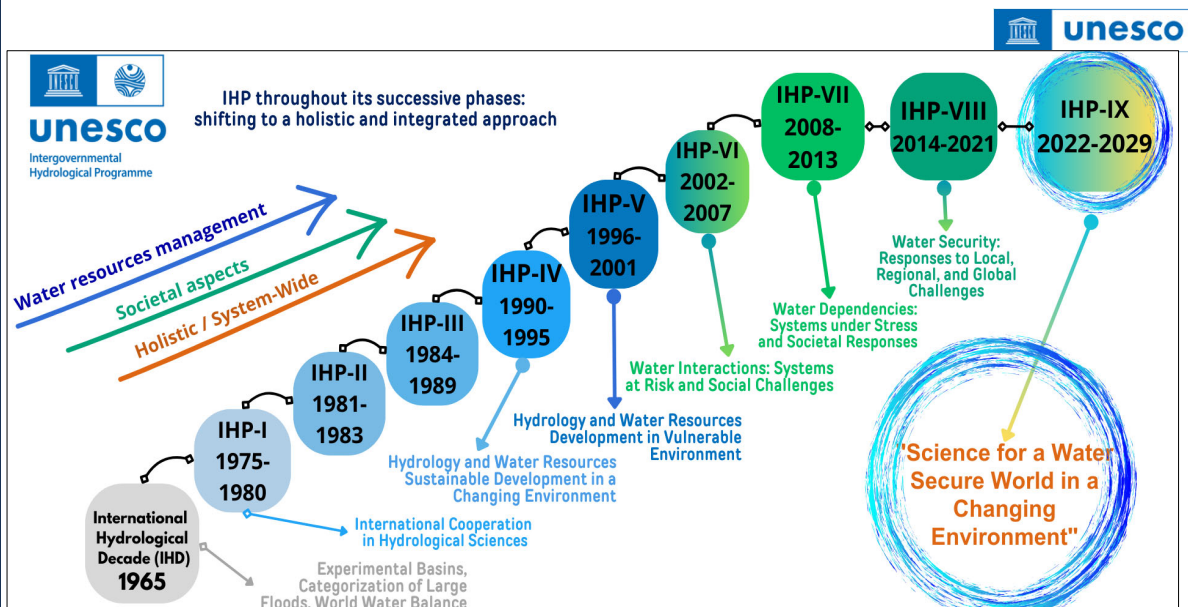
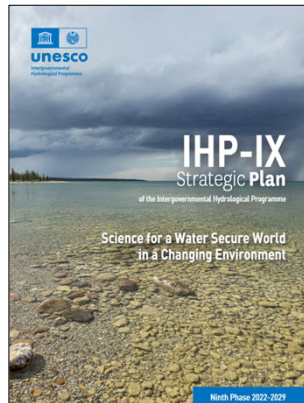


Capacity Development Intergovernmental Hydrological Programme



IHP-IX (2022–2029): Science for a Water Secure World



Strategic priorities:

- Scientific research and innovation
- Water education
- Bridging the data-knowledge gap
- Integrated water resources management
- Water governance for resilience

The UNESCO Water “Family” – Global Water Network Excellence

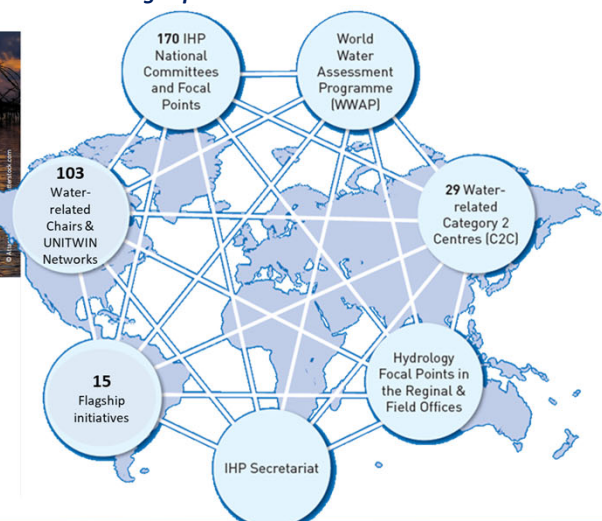
Aims to advance hydrological knowledge by supporting scientific research programmes and building capacities



The Intergovernmental Hydrological Programme (IHP) of UNESCO covers a wide spectrum of initiatives known as Flagship Initiatives.

The Flagship Initiatives play an important role in promoting and contributing to the Intergovernmental Hydrological Programme's role in Water Science by broadening its scientific scope as well as bringing in perspectives and ideas reflecting knowledge across the spectrum of its Member States. They work on long-term cross cutting themes related to hydrology issues. Their global aim is to enhance the management of water resources through science-based recommendations, education, and capacity development.

Currently, the Intergovernmental Hydrological Programme (IHP) has 15 Flagship Initiatives which the IHP Intergovernmental Council endorses. 11 of them are hosted or co-hosted by the UNESCO Water Family or Partners as follows:



The UNESCO-IHP Flagship Initiatives – Global Water Initiatives

As a programme at the global level, IHP covers a wide spectrum of initiatives:



Flow Regimes from International Experimental and Network Data

International Initiative on Water Quality



World's Large Rivers Initiative

G-WADI
Global Network on Water and Development Information in Arid Lands

UWMP
Urban Water Management Programme

MAWAC
Megacities Alliance for Water and Climate Change



Groundwater Flagship Initiative (GWFI)



CRIDA
Climate Risk Informed Decision Analysis



Hydrology for the Environment, Life and Policy



unesco

UNESCO- IHP IX (2022-2029) Science for a Water Secure World in a Changing Environment

UNESCO Intergovernmental Hydrological Programme (IHP)

IHP envisions a water secure world where people and institutions have adequate capacity and scientifically based knowledge for informed decision-making on water management and governance to attain sustainable development and to build resilient societies



Mobilize **international cooperation** to improve knowledge and innovation to address water security challenges



IHP creates bridges between stakeholders from around the world



Strengthen the **science-policy-society** interface to reach water security at local, national, regional and global levels



Help decision makers adapt their policies based on sound scientific evidence



Facilitate **education and capacity development** in order to enhance water resources management and governance



IHP organizes courses, trainings and workshops on water-related issues and provides resources and tools at all levels

Intergovernmental Hydrological Programme (IHP IX 2022-2029): Science for a Water Secure World in a Changing Environment

Examples of IHP operational tools

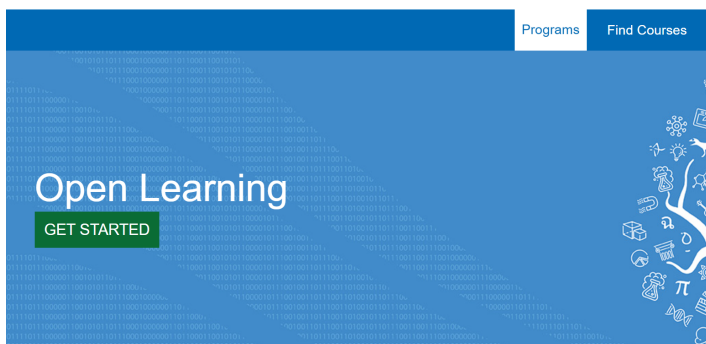


IHP delivers **scientific methods, monitoring systems, predictive tools, data platforms, and research networks.**

- Flood and drought early-warning systems
- Ecohydrology and Nature-Based Solutions
- Remote sensing and big-data hydrology
- transboundary aquifers and groundwater governance
- Citizen science and open-data platforms

- **CRIDA (Climate Risk Informed Decision Analysis):** a methodology, a participatory and bottom-to-up approach for integrating climate change into water resources planning. CRIDA offers a step-by-step process to address challenges in sustainable water management.
- **IHP-Wins (Water Information Network System):** promotes the sharing of water-related data among countries, organizations, and stakeholders as part of the UNESCO IHP mandate.
- **Youth4Water:** institutionalize youth participation, expand education pathways, and strengthen career opportunities for youth.

UNESCO Open Learning platform



UNESCO Open Learning platform
<https://openlearning.unesco.org/>
58 courses
> 54000 learners since 2020

ICTP CIMWaR-04 Climate Data Analysis Starts: Jan 29, 2024	UNESCO CIMWaR02 Drought and Flood Risk Management for Policy Making Starts: Jan 31, 2024	USACE USACE-01 Hydrologic Modeling with HEC-HMS Starts: Jan 17, 2024	UNESCO CRIDA0001 Introduction to Climate Risk Informed Decision Analysis (CRIDA) Starts: Dec 8, 2023	CAZALAC CIMWaR03 Training on the African Drought Atlas Methodology Starts: Dec 15, 2023	UNESCO OpenWater Cookbook for Open Hardware Sensors for Water Resources Management Starts: Sep 7, 2023
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High-Level Integrated Workshop on SDG 6 Capacity Development Initiative in The Gambia 5-7 August 2025



THANK YOU



Abou Amani

Director of the Division of Water Sciences

Secretary of the Intergovernmental Hydrological Programme (IHP)

www.unesco.org/ihp