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C2C Session 1:

Water Sciences Research, Education and Capacity Development

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UNESCO Intergovernmental Hydrological Programme (IHP)

*IHP is **the only Intergovernmental Cooperation Programme** of the **United Nations System** dedicated to **water research, water resources management, and education and capacity development.***

*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** interface to reach water security at local, national, regional and global levels



Help decision makers adapt their policies based on sound scientific evidence



Enhance **capacity** through education and training for improved water management and governance



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

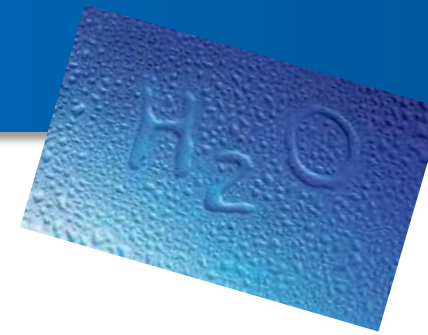


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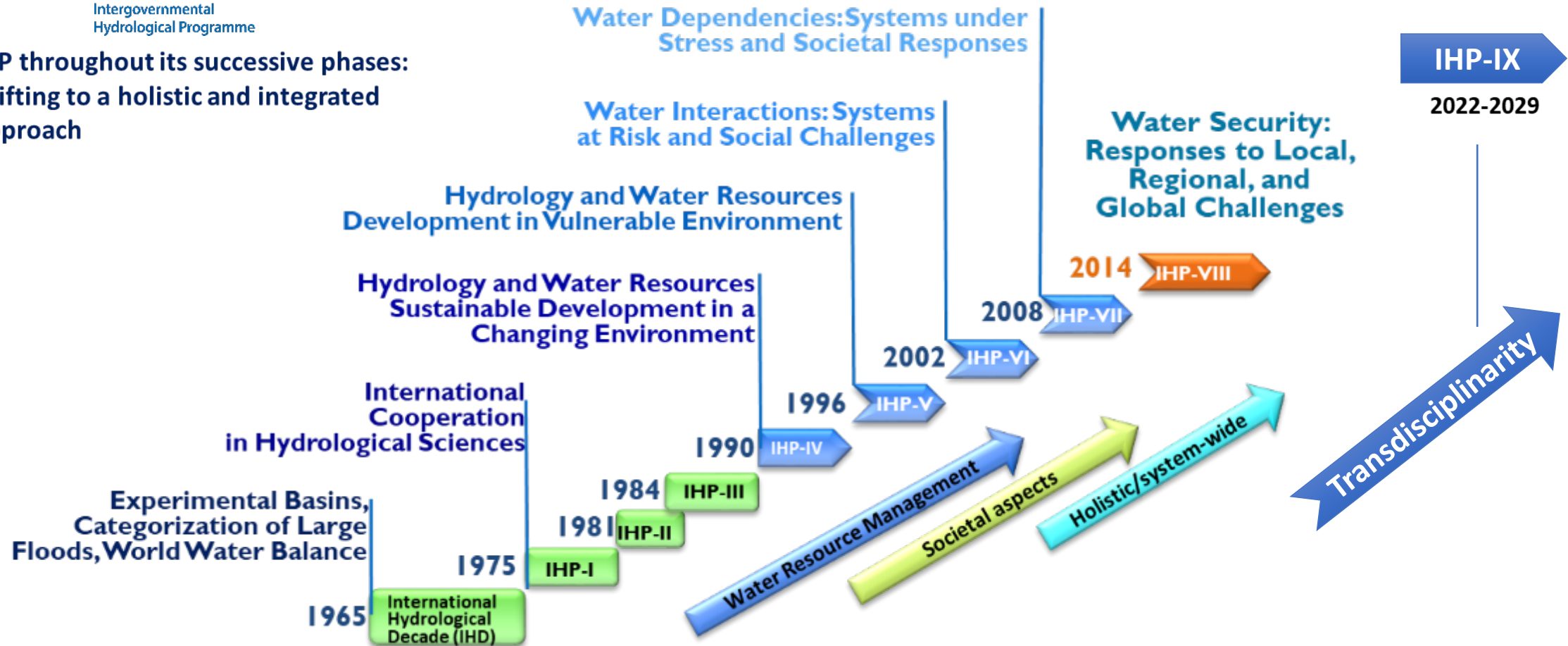
Evolution of IHP



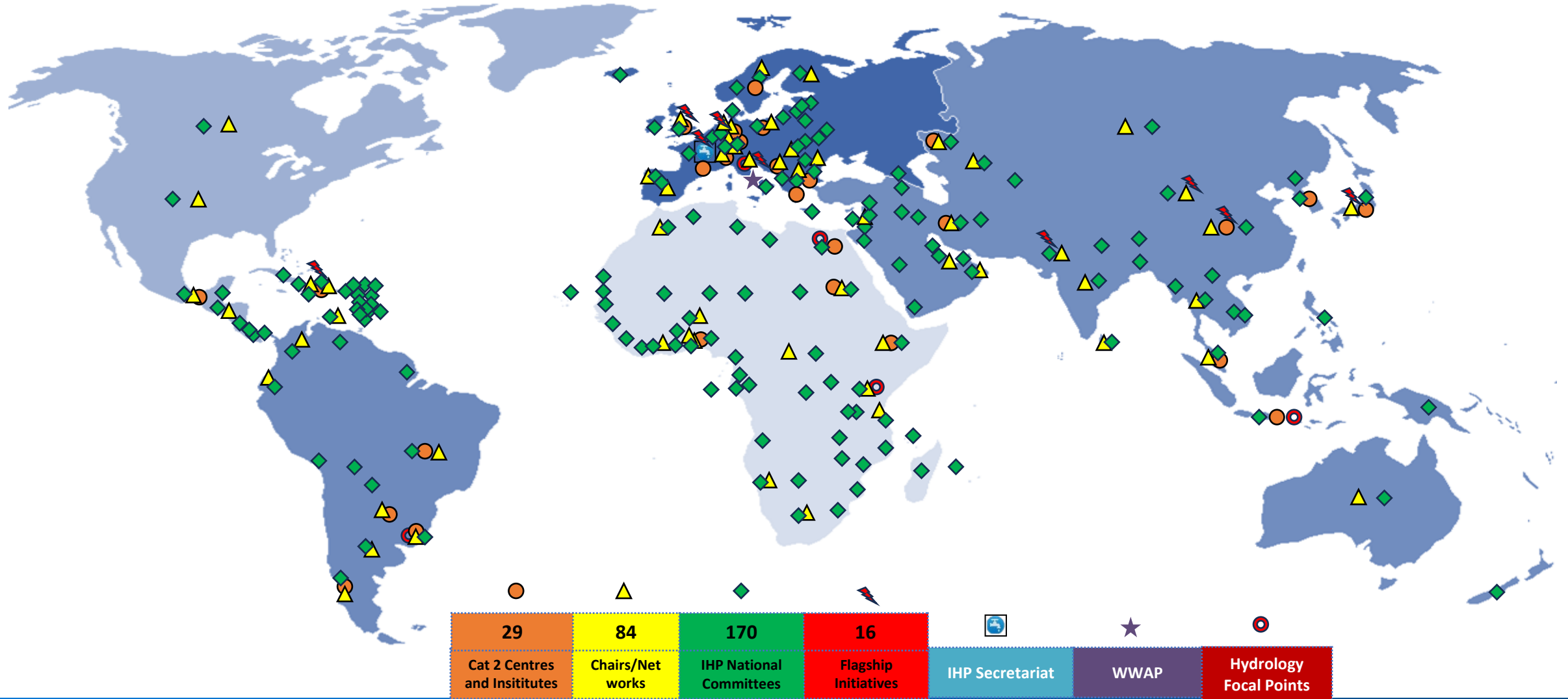
IHP throughout its successive phases:
shifting to a holistic and integrated
approach



Science for a Water Secure World
in a Changing Environment



The UNESCO Water Family Global Distribution



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

IHP National Committees & Focal Points

- The **National Committees of the IHP** are constituted and run under the authority of national governments and play a critical role in the implementation of the IHP.
- The IHP has **170 National Committees and Focal Points** that are fundamental to ensuring the widest possible participation of Member States in the programme's actions.
- The committees provide the direct connection with the requirements of the Member States and the IHP's beneficiaries and are indispensable to ensure the exchange of experience among the countries within a region, with the IHP Secretariat and within the Programme's statutory bodies.



Water-related

Category 2 institutes and centres under the auspices of UNESCO

- Category 2 institutes and centres under the auspices of UNESCO (C2C) are a **global network of institutions of excellence** in the Organization's domains of competence.
- Given their expertise, these institutes and centres contribute meaningfully to implementing UNESCO's priorities, programmes, and global development agendas during a defined period, through **international and regional cooperation, research, knowledge production, policy advice, and capacity enhancement**.
- Though **independent of UNESCO**, C2Cs are privileged partners of the Organization with access to UNESCO's logo, international and intergovernmental bodies, and networks, and may leverage UNESCO's international reach and convening powers.

Water-related centres under the auspices of UNESCO

The water-related centres under the auspices of UNESCO (category 2) work on relevant thematic and geographic priorities in their areas of expertise.



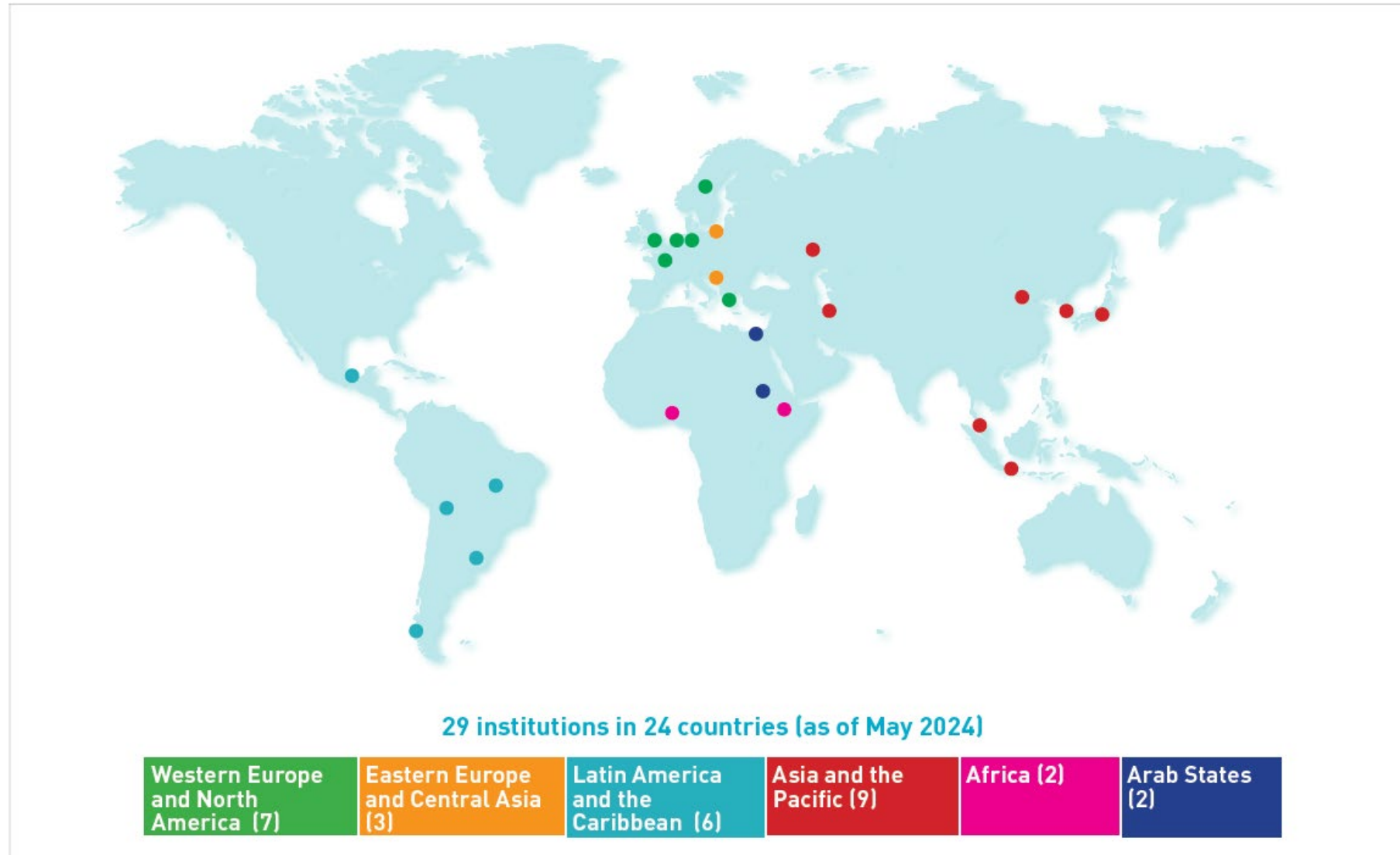
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<https://www.unesco.org/en/ihp/centres?hub=68140>



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Global Network of UNESCO Water-related Institutes and Centres



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Water-related Chairs and UNITWIN Networks

- A **network of universities** around the world supports UNESCO's work in water, to help address pressing challenges by sharing knowledge, developing collaborative work and developing capacity.
- The UNESCO Chairs teams contribute at each stage of IHP work: from the exploration of emerging issues, through the development of international normative instruments to the implementation of policy recommendations at the national level.
- They also bring together partners in academia, civil society, local communities and policy-makers in dialogue for project implementation

Water-related UNESCO Chairs

Established as teaching and research positions at universities or research institutes.



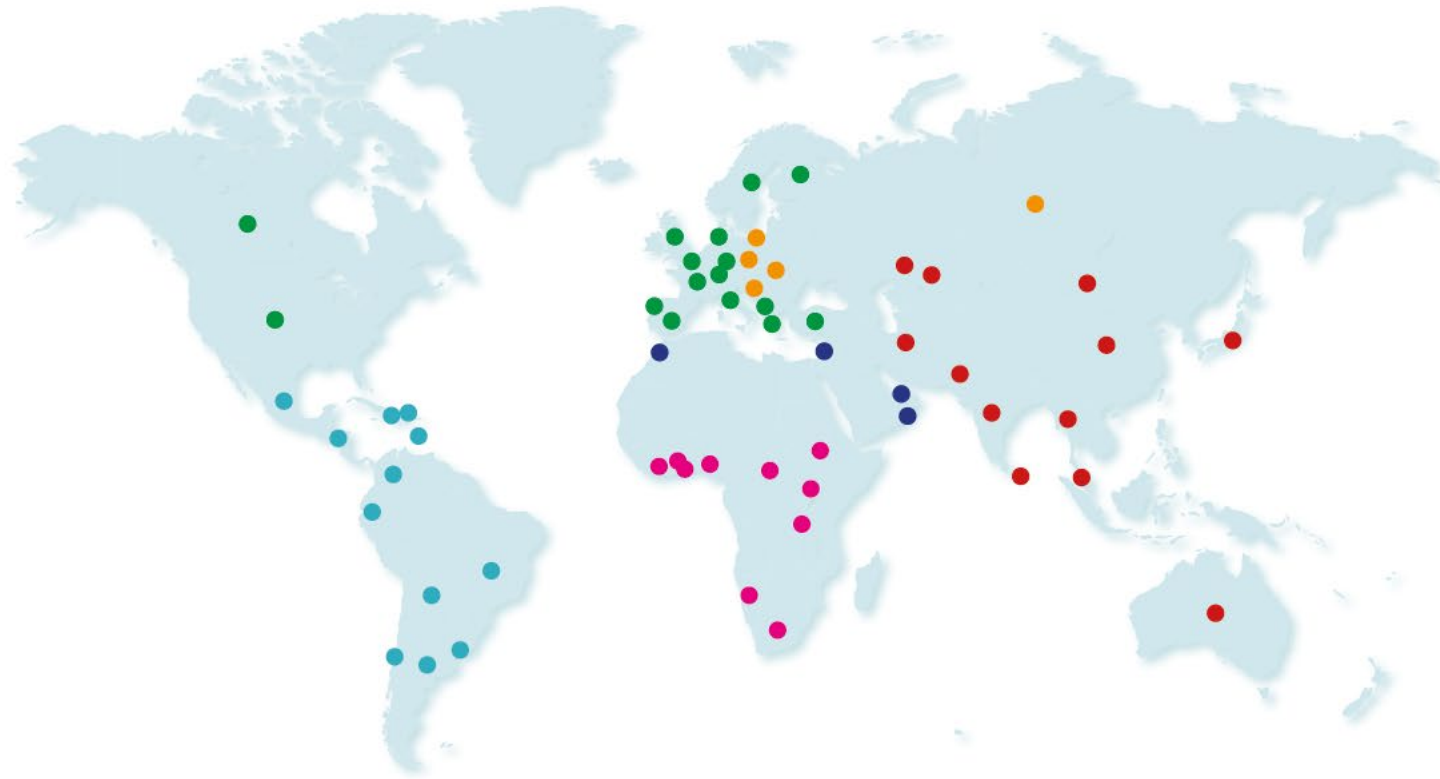
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Water-related Chairs and UNITWIN Networks



84 institutions in 62 countries (as of May 2024)

Western Europe and
North America (27)

Eastern Europe (7)

Latin America
and the
Caribbean (20)

Asia and the
Pacific (14)

Africa (11)

Arab
States (5)



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IHP Flagship Initiatives

- As a programme at the global level, IHP covers a wide spectrum of initiatives known as Flagship Initiatives.
- Flagship Initiatives play a particular important role in **promoting IHP's role in Water Science and broadening hydrology outreach** as well as bringing in perspectives and ideas reflecting knowledge across the spectrum of its Member States.
- Currently, UNESCO has **16 Flagship Initiatives** which the IHP Intergovernmental Council endorses. Nine of them are hosted or co-hosted by the UNESCO Water Family including Category 2 Centres or Institutes and Chairs.

Flagship Initiatives



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IHP Flagship Initiatives

Flagship Initiative (s)	Host Institution (s)
Flow Regimes from International Experimental and Network Data (FRIEND)	International Centre for Interdisciplinary Research on Water Systems Dynamics (ICIReWaRD-Montpellier), France
Global Network on Water and Development Information in Arid Lands (G-WADI)	The International Center for Integrated Water Resources Management (ICWaRM), USA
Hydrology for the Environment, Life and Policy (HELP)	Dundee Centre for Water Law, Policy and Science (CWLPS), United Kingdom
International Drought Initiative (IDI)	Regional Centre on Urban Water Management (RCUWM), Iran
International Flood Initiative (IFI)	International Centre for Water Hazard and Risk Management (ICHARM), Japan
International Initiative on Water Quality (IIWQ)	<ul style="list-style-type: none"> • International Centre for Water Resources and Global Change (ICWRGC), Germany • UNESCO Chair on Water, Energy and Disaster Management for Sustainable Development (WENDI) at the Kyoto University, Japan • UNESCO Chair on Sustainable Water Security at the Florida International University (FIU), USA
International Sediment Initiative (ISI)	International Research and Training Centre on Erosion and Sedimentation (IRTCES), China
The Global Network of Water Museums (WAMU-Net)	Global Water Museum Network Association (WAMU-Net), Italy
World's Large Rivers Initiative (WLRI)	UNESCO Chair on Integrated River Research and Management, University of Natural Resources and Life Sciences, Austria

GLOBAL NETWORK OF UNESCO ECOHYDROLOGY DEMONSTRATION SITES

The current composition of UNESCO Ecohydrology Demonstration Sites consist of 51 Demonstration Sites in 32 countries around the world.

See more at:
**ECOHYDROLOGY
WEB PLATFORM**
ecohydrology-ihp.org

Africa and Arab States 6		Asia and the Pacific 16		Europe and North America 17		Latin America and the Caribbean 12	
2 Ethiopia	1 Tunisia	2 Australia	5 China	2 Canada	1 Croatia	1 Argentina	1 Bahamas
1 Kenya		1 India	2 Indonesia	1 France	2 Germany	2 Brazil	1 Chile
1 Sierra Leone		1 Malaysia	2 Pakistan	2 Italy	3 Poland	2 Colombia	1 Costa Rica
1 South Africa		2 South Korea	1 Philippines	1 Portugal	2 Spain	2 Ecuador	2 Peru
				1 Sweden	1 United Kingdom		
					1 United States		



UNESCO Water Family Upcoming Activities and Events



- **World Water Forum**

Bali, Indonesia, 18-25 May 2024

UNESCO Pavilion: Members of the UNESCO Water Family are invited to join the exhibition and display their selected relevant promotional materials and publications in small numbers and in electronic formats (screens will be provided), organize small events or hold meetings at the UNESCO Pavilion during the Forum.



- **UNESCO Water Family Symposium**

Paris, France and on-line, 4 June 2024 (Day 2 of 26th IHP Council)

The event will showcase UNESCO Water Family contribution to IHP-IX and reflect on the contribution to the 50th Anniversary of IHP

For more information : ihp@unesco.org



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Thank you! Merci 😊



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