

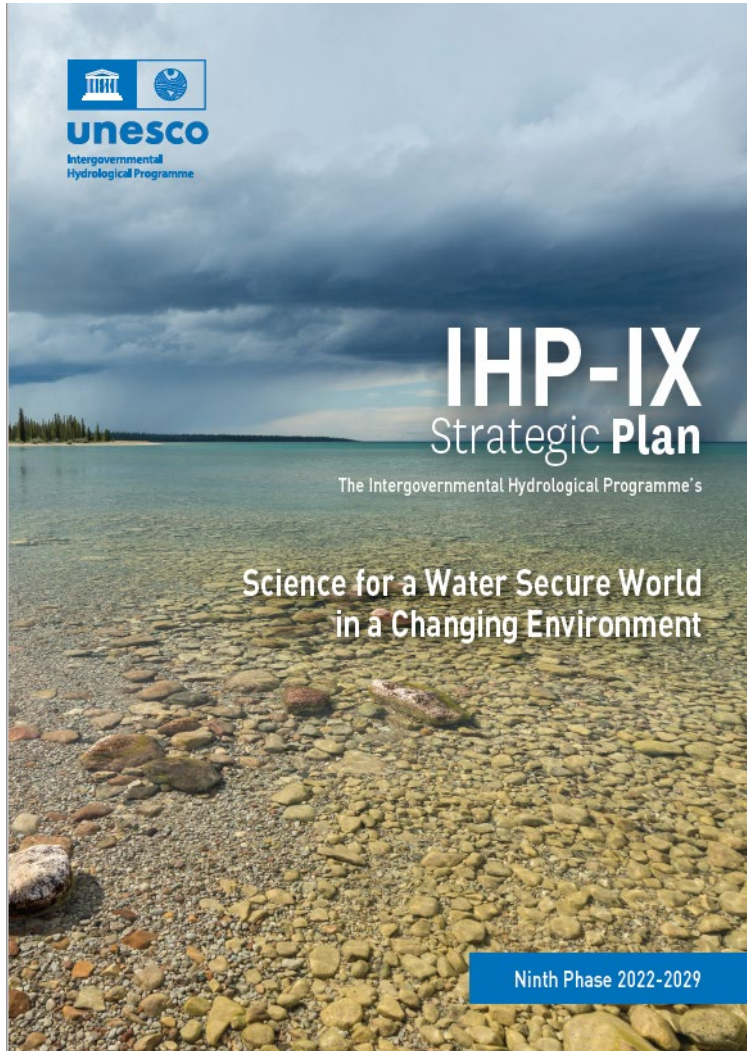


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The expected contribution of WAMU-NET to the 9th Phase of IHP (IHP-IX)

4th International Conference of WAMU-NET, Marrakesh, Morocco

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**The ninth phase of the
Intergovernmental Hydrological Programme
IHP-IX 2022-2029**

Science for a Water Secure World in a Changing Environment

**Key Activities and Output-level Performance Indicators
Operational Implementation Plan (IHP-IX OIP)**



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Vision

The IHP IX will provide continuity with progress from [IHP-VIII](#) and serve the IHP Vision: “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.”

Priority areas (streams of action) to materialize the Outcome

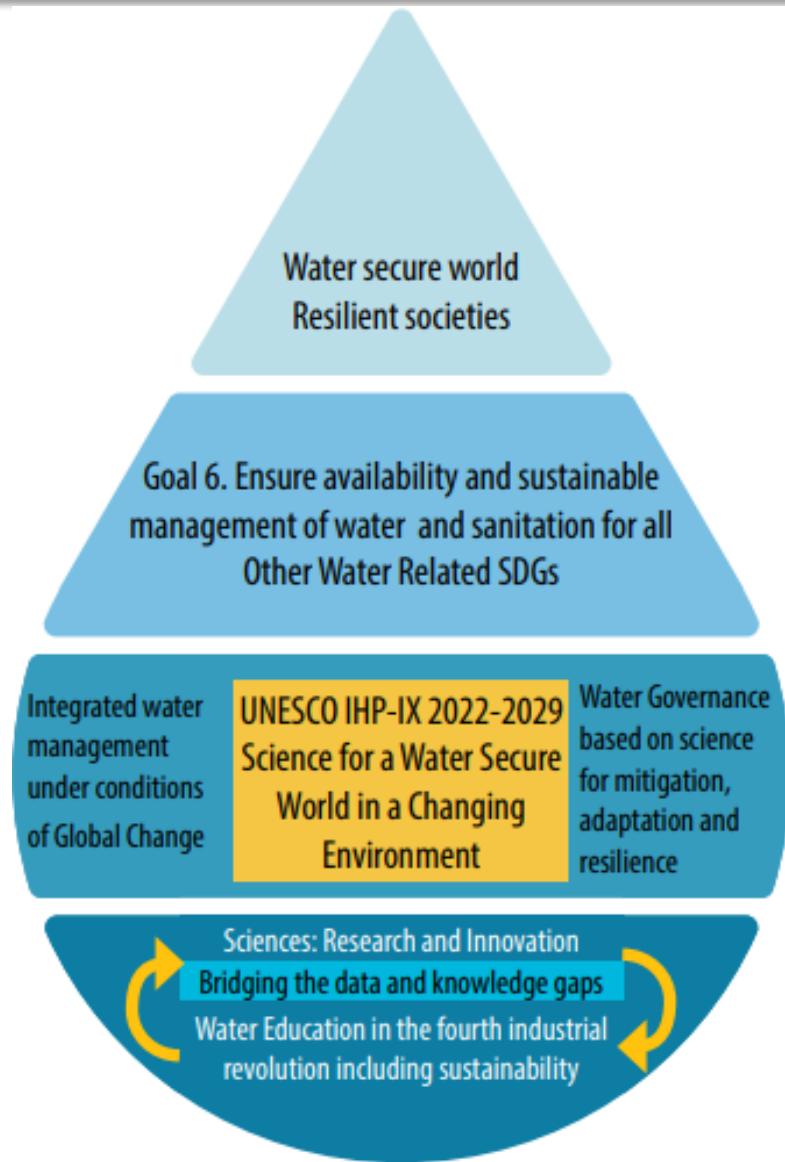
1. Scientific Research and Innovation
- 2. Water Education for the Fourth Industrial Revolution including Sustainability**
3. Bridging the data and knowledge gaps
4. Integrated and Inclusive Water Resources Management under conditions of global change
5. Water Governance based on science for mitigation, adaptation and resilience

Mission

In moving to this vision, IHP IX Mission 2022-2029 asserts “support the Member States to accelerate the implementation of water-related SDGs and other relevant agendas through water science and education in cooperation with partners and other UN agencies active in the water sector” with the following concrete elements:

- a. Leverage intersectorality** for a water secure world,
- b. Promote international scientific research and cooperation** for improved knowledge to address water challenges and climate changes incorporating the interaction between human and water systems,
- c. Mobilize and disseminate effectively scientific and policy relevant expertise,** knowledge and tools for informed decisions in addressing water challenges, and
- d. Reinforce institutional and human capacities** and train the present and upcoming generation of water professionals capable of providing water solutions for SDGs and building climate resilience through water.

Intergovernmental Hydrological Programme - 9th Phase



5 Priority Areas

1. Scientific research and innovation
2. Water Education in the Fourth Industrial Revolution including Sustainability
3. Bridging the data-knowledge gap
4. Integrated water resources management under conditions of global change
5. Water Governance based on science for mitigation, adaptation and resilience

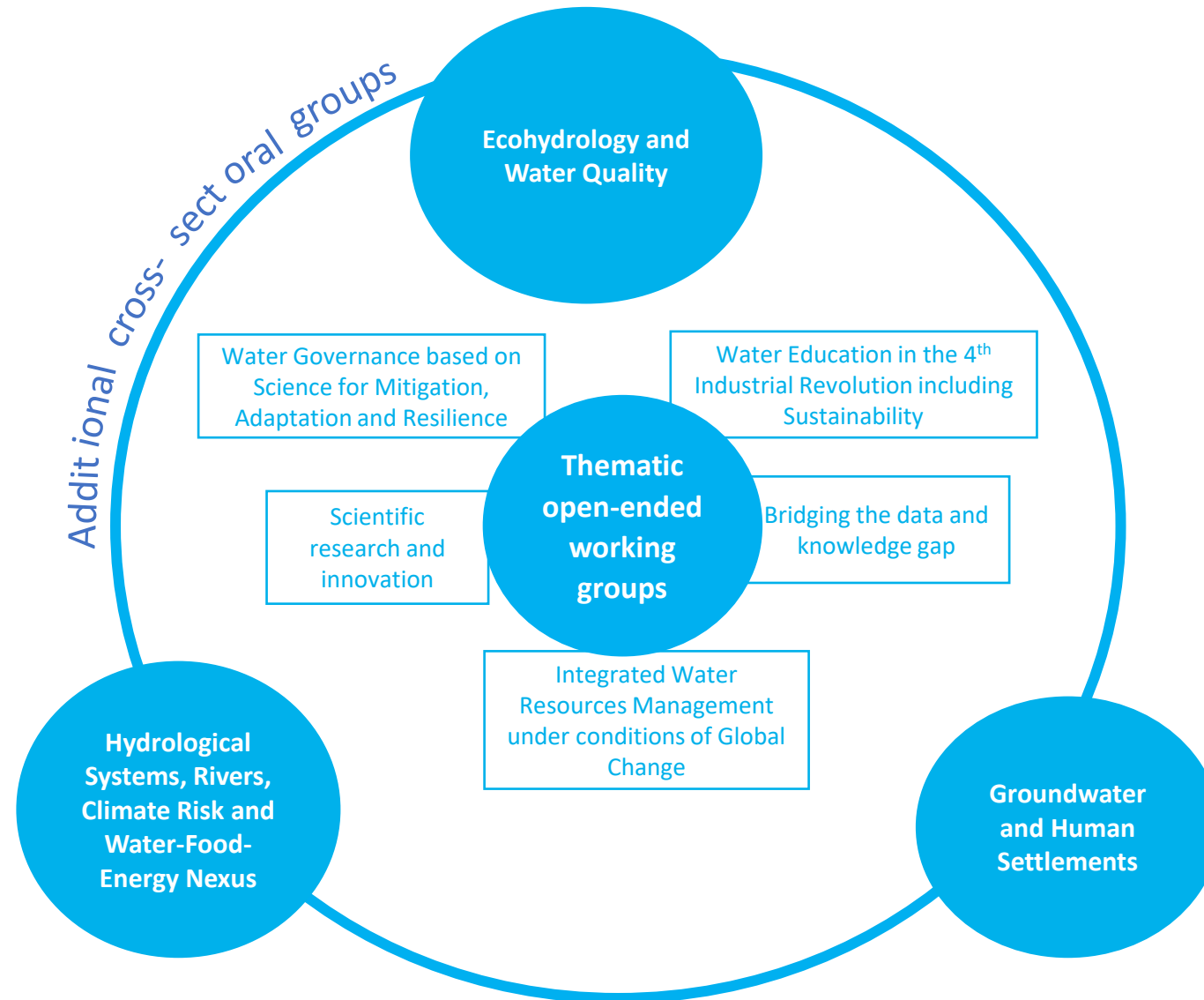
34 expected outputs

- The Strategic Plan has been approved with its 5 priority areas and 34 expected outputs by the IHP Council in its 24th session last June

150 Key activities

- Operational Implementation Plan endorsed at the 25 Session of the IHP Council

Intergovernmental Hydrological Programme (9th Phase)



Thematic Open-ended Working Groups

1. Scientific Research and Innovation
- 2. Water Education in the Fourth Industrial Revolution including Sustainability**
3. Bridging the data and knowledge gap
4. Integrated Water Resources Management under conditions of Global Change
5. Water Governance based on Science for Mitigation, Adaptation and Resilience

Additional cross-sectoral groups:

1. Hydrological Systems, Rivers, Climate Risk and Water-Food-Energy Nexus
2. Groundwater and Human Settlements
3. Ecohydrology and Water Quality;

Member States chairing and co-charing / Pays membres qui président et co-président

Thematic Working Group / Groupe de travail thématiques	Chairperson / Président(e)	Vice-Chairperson / Vice-Président(e)
Water Education for the fourth industrial revolution including sustainability / Education relative à l'eau à l'ère de la quatrième révolution industrielle, y compris la durabilité	China Yiping Li Director, International Office, Hohai University Professor, College of Environment, Hohai University	Netherlands Martijn van Staveren PhD Coordinator Netherlands IHP-HWRP Committee P/a IHE Delft Dominica

The Working Group is coordinated by the IHP Secretariat, Division of Water Sciences, Section Capacity Development, and Water Family Coordination (CDW).



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Main actors and Terms of Reference (Open Ended Working Group)

Chairperson

- Chairs the thematic group meetings (at least one meeting before each Bureau and Council session). Each group can meet many times depending on the needs;
- In coordination with the Secretariat, prepare the working group meetings;
- In coordination with Secretariat, report to the IHP Bureau and Council sessions;

Vice-Chairperson

- Supports the Chairperson in her/his function and participate in the different meetings

Team Leader (from IHP SEC)

- Coordinate and ensure the function of the working group
- Organize the different meetings of group and sub-groups
- Provide guidance on the alignment of activities with C/5 and prioritization
- Ensure the secretariat of the group

Composition

Each OEWG will comprise on voluntarily basis interested and committed:

- Members States through their national IHP committees;
- C2Cs;
- **Water Chairs;**
- **Flagship initiatives (e.g. WAMU-NET);**
- Partners including professional organization;
- Centre of excellences and scientific institutions;
- UN agencies.

IHP-IX Operational Implementation Plan

Priority Area 2: Water Education in the Fourth Industrial Revolution including Sustainability

“By 2029, a critical mass of decision makers, educators and citizens worldwide will be trained, have their awareness raised and their knowledge enriched on water related challenges and opportunities based on sound scientific and research information to facilitate sustainable water management and governance. Networks of scientists will be strengthened to develop and disseminate related material and conduct the training / awareness-raising sessions.”

Outputs directly mentioning WAMU-NET:

- 2.1. Public’s awareness at all levels raised towards better understanding their contribution to the important multi-functions of water in domestic life, ecosystems and productive development.

- 2.2. Development and implementation of transdisciplinary research collaborations and educational approaches by UNESCO Water Family promoted to enhance participatory holistic practices.

Key Activities and Output / IHP-IX Operational Implementation Plan:

2.1. Public's awareness at all levels raised towards better understanding their contribution to the important multi-functions of water in domestic life, ecosystems and productive development.

Proposed activities:

4. Use of networks and partnerships to increase coverage in mass media and social media, including cooperation with journalists on water topics, using easy-to-understand facts, statistics, infographics, and video clips by public figures, also making use of the Global Water Museums Network (WAMU-NET).

Performance indicators:

- Number of knowledge products (books, reports, assessments, statistics, tools, methodologies etc.) produced and disseminated (disaggregated per country);
- Number of educators, decision makers and key stakeholders who have improved knowledge (disaggregated by sex, age, ...*);
- Number of key stakeholders, journalists and members of the general public who are sensitized (disaggregated by sex, age, ...*);
- Number of member states and national stakeholders (mass media, philanthropy, advocacy groups, other specific groups, communities, sectors and the like) supported;
- Number of training and promotional/advocacy materials produced and disseminated (by country).

Key Activities and Output / IHP-IX Operational Implementation Plan:

2.2. Development and implementation of transdisciplinary research collaborations and educational approaches by UNESCO Water Family promoted to enhance participatory holistic practices.

Proposed activities:

- 4. Elaboration of formal, non-formal and informal education at all levels towards a better understanding of the importance of water for livelihoods and communities, through the mobilization of WAMU-NET and others, and implementation of Transformative Experience in informal science learning programs.**

Performance indicators:

- Number of knowledge products (books, reports, assessments, statistics, tools, methodologies etc.) produced and disseminated, disaggregated per country);
- Number of peer-reviewed articles, patents, scientific journal editions, scientific conference proceedings produced and disseminated;
- Number of scientists, educators and key stakeholders who have improved knowledge (disaggregated by sex, age, ...*);
- Number of key stakeholders, policy makers in education, who are informed (disaggregated by sex, age, ...*);
- Number of member states and national stakeholders (basin groups, utilities, regulators, service providers, other specific groups, communities, sectors and the like) supported;
- Number of curricula revised to include sustainable water management (disaggregated by country);
- Number of training materials produced and disseminated (disaggregated by country).

Thank you / merci



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United Nations
Educational, Scientific
and Cultural Organization