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# Youth for Water Security

Open Science for Water youth-centered  
innovation

in UNESCO Water-Culture Integration

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**Open Science**

Making science more accessible, inclusive and equitable for the benefit of all



1. UNESCO's Commitment to Open Science
2. Youth Engagement in Water Sciences
3. Actions and Recommendations

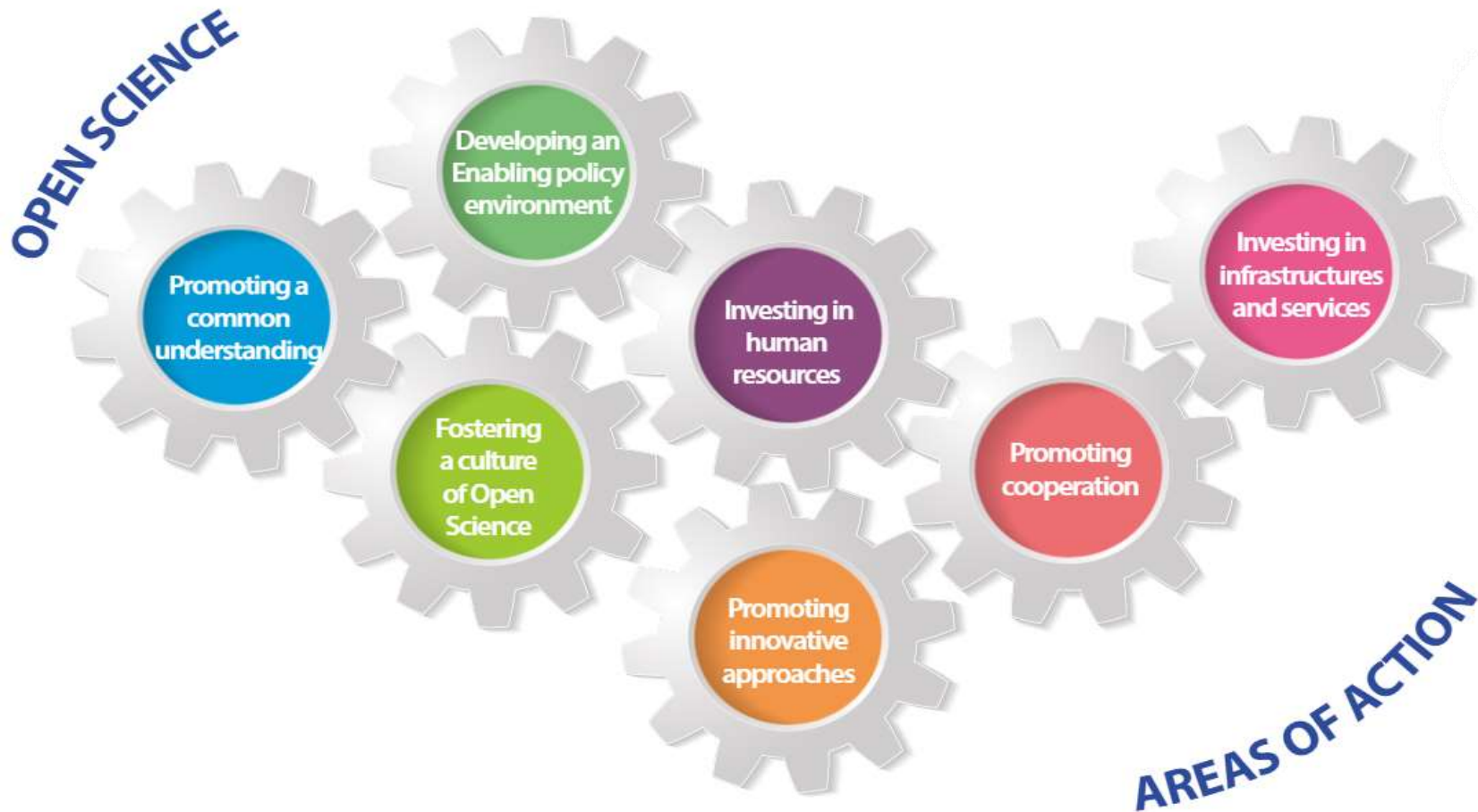
# 1. UNESCO's Commitment to Open Science



- Open science increases **scientific collaborations** and **sharing of information** for the benefits of science and society
- Makes multilingual scientific knowledge **openly available, accessible and reusable** for everyone
- Opens the processes of scientific knowledge **creation, evaluation and communication to societal actors** beyond the traditional scientific community.

# UNESCO Recommendation on Open Science

**7 areas** are recommended to take concurrent actions, in accordance with *international law* and taking into account their *individual political, administrative and legal frameworks*.



## 2. Youth Engagement in Water Sciences for Innovation in Water-Culture Integration

- Capacity Building through IHP
- Youth Forums and Participation



# UNESCO with, by and for youth



Youth is a **priority** group for UNESCO.

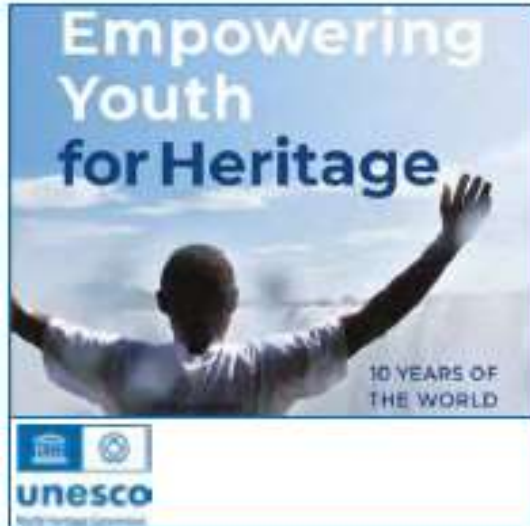
Recognizing their **creativity**, **innovation** and **capacity** to make change happen in the world,  
we firmly believe that young people are crucial **actors**, **leaders**, and **partners**.

UNESCO IHP is working actively to ensure that their voices are heard because they matter.



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# UNESCO Youth networks



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# UNESCO Intergovernmental Hydrological Programme (IHP)

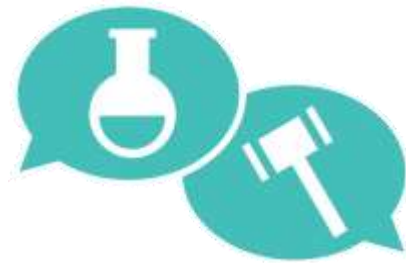
*IHP envisions a water secure world where people and institutions have adequate capacity and scientifically based knowledge for informed decision-making on water management and governance to attain sustainable development and to build resilient societies*



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** 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



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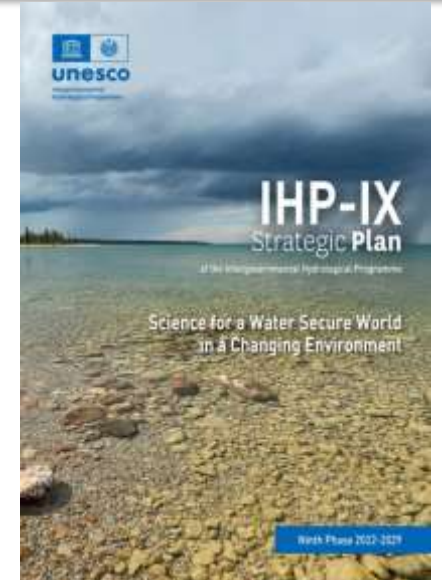
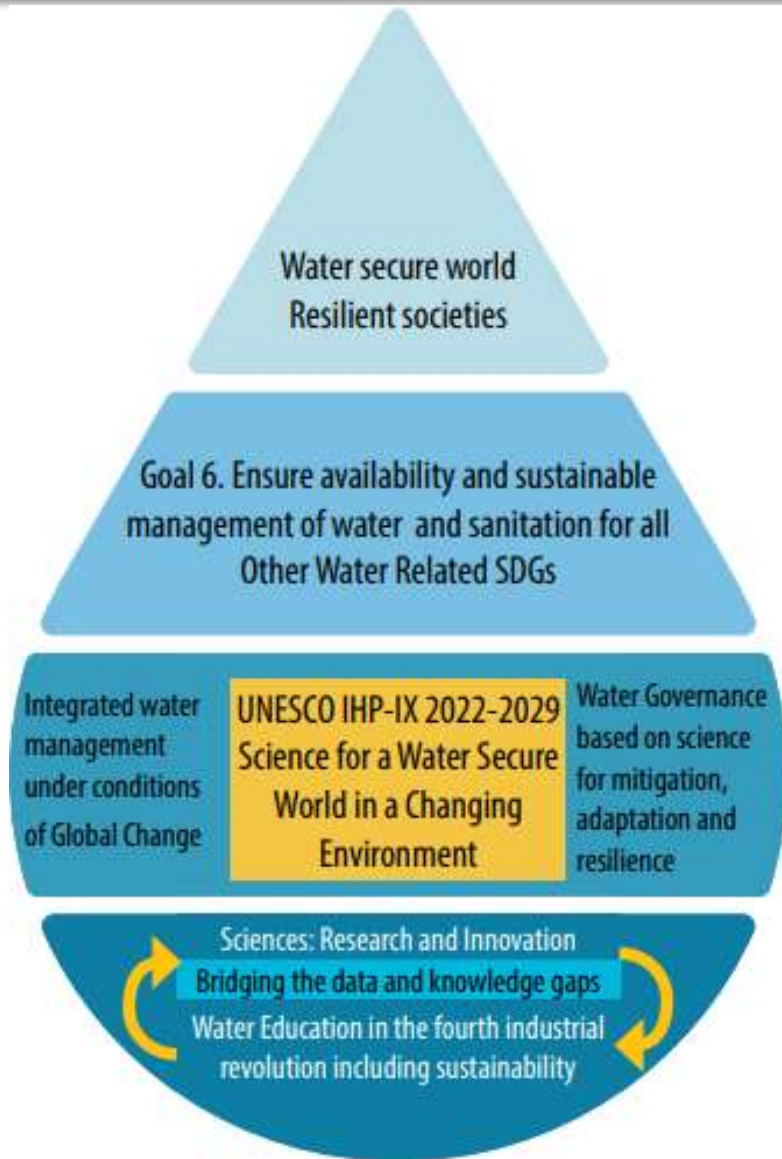
# Intergovernmental Hydrological Programme (9th Phase – 2022-2029)

## Five 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

**150** key activities (draft Implementation Plan)



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# 3. Actions and Recommendations



- 1. Integrate** youth vision, knowledge, culture and values on water science and management with scientific methodologies, allowing for placed-based and youth-centric approaches in tackling issues of water in sustainable development;
- 2. Promote** a better education to the schools and local communities to enhance a better public perception and enhance further engagement and participations to innovation in sustainable and integrated water management;
- 3. Leverage further** on IHP programme but also other UNESCO initiatives to foster cross-sectoral multi-lateral dialogues for youth led water-culture integration, and build common respect and understanding of the youth values and significance for long term partnership and sustainable development

