



United Nations
Educational, Scientific and
Cultural Organization

3rd Extraordinary Session of the Intergovernmental Council of IHP

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Priority Area 2: Water Education in the 4th Industrial Revolution

By 2029, a critical mass 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 / raising aware sessions

Agatha Tommasi - Representative of Latin America and the Caribbean



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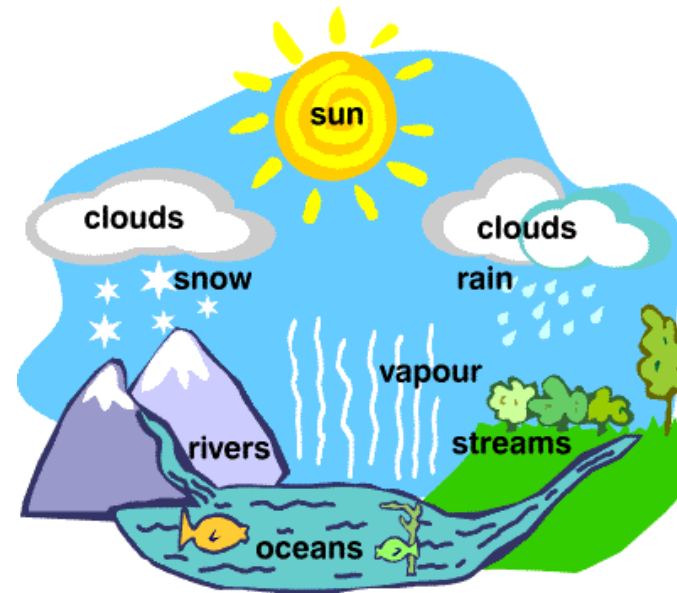
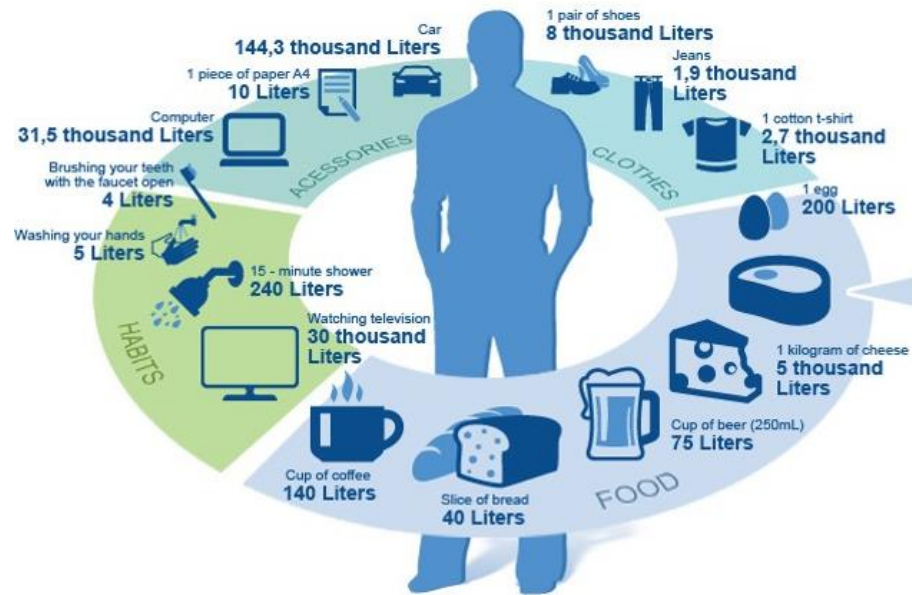
Priority Area 2: Water Education in the 4th Industrial Revolution

Relationship between this priority area and Agenda 2030



Priority Area 2: Water Education in the 4th Industrial Revolution

Expected Output 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.



Water education must embrace strategies and techniques that will support people to expand their consciousness and be aware of the value of water for their livelihoods, economic development and protection of the environment.

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Expected Output 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.



The opinions of young people should actively be sought-out as inputs to decision-making processes related to water!



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Expected Output 2.2 - Development and implementation of transdisciplinary research collaborations and educational approaches by UNESCO Water Family promoted to enhance participatory socio-hydrology practices



Water Education offers important avenues and tools to broaden and enhance the impact of water science!



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Expected Output 2.3 -Teaching and learning materials on water-related matters for formal, non-formal and informal education at all levels elaborated towards a better understanding of the importance of water in lives and communities.



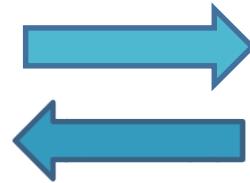
Source: National Geographic



Our society is experiencing a fourth industrial revolution, characterized by the emergence of a new broad range of technologies in fields like biotechnology, big data, drones and artificial intelligence, among others, that will reshape the economy, research and professional water practice.

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Expected Output 2.4 - Development and sharing of methods and tools based on new practices by the scientific community supported to translate scientific information into a format facilitating education, decision-making and policy formulation.



IHP IX will assist in development and dissemination of new data visualization methods to facilitate science-based decision making.



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Expected Output 2.5 - Capacities of skilled professionals and technicians at water-related tertiary and vocational education strengthened to identify the main gaps for sustainable water management towards providing appropriate tools to governments and societies to address those gaps and the Agenda 2030 targets.



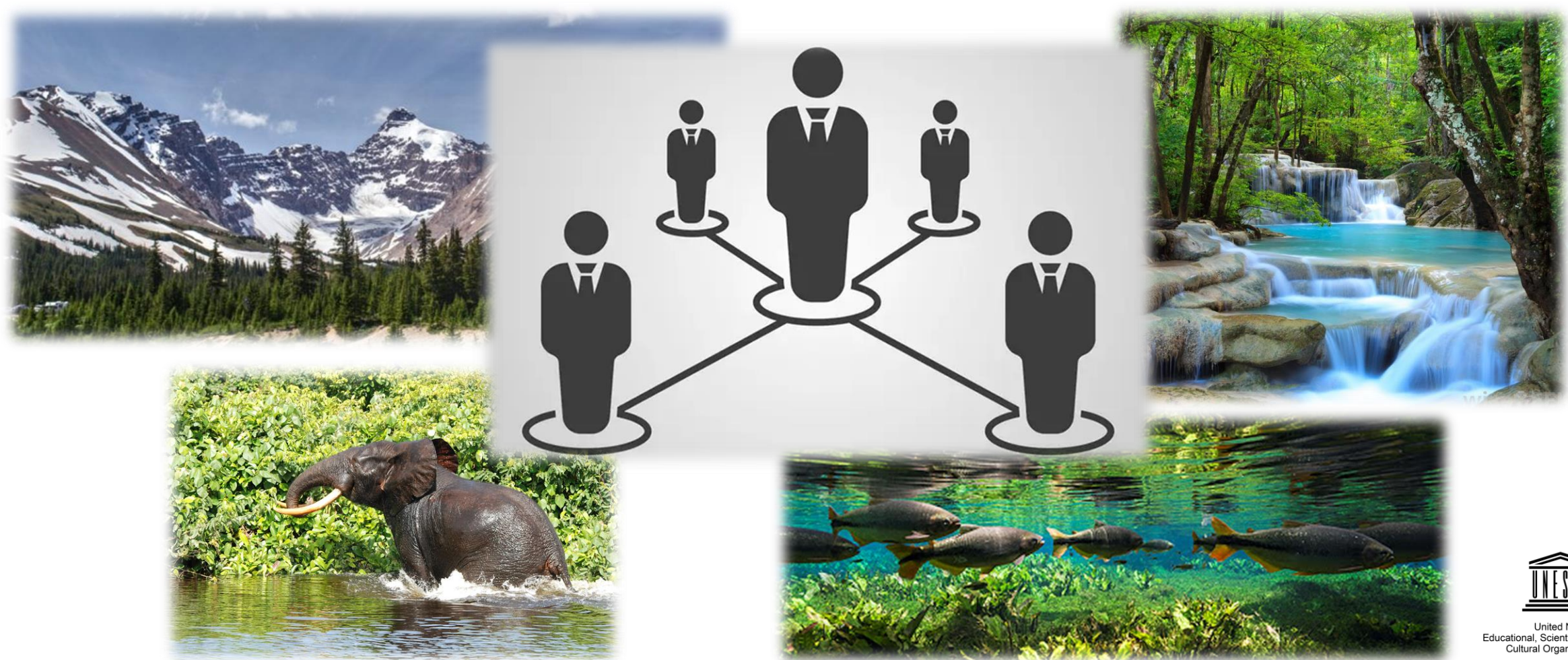
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Expected Output 2.6 - Capacities of decision makers and water managers strengthened allowing them to take advantage of new technologies and research to make better decisions, and to design and implement inclusive and efficient water policies.





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ROLE OF UNESCO

Leading Water Education in cooperation with other UN Agencies and partners

- **Provide** support on curriculum development, life-long learning and formal, informal and non-formal water education activities from primary schools to post-graduate education
- **Co-lead** the UN-Water efforts on capacity development under UN SDG 6 Global Acceleration Framework in support to Member States
- **Cooperate** with other UN Agencies for complementary or joint training initiatives (with WMO for example on building capacity of national hydrological services) and other relevant partners including water-related NGOs and professional associations and private sector.



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