

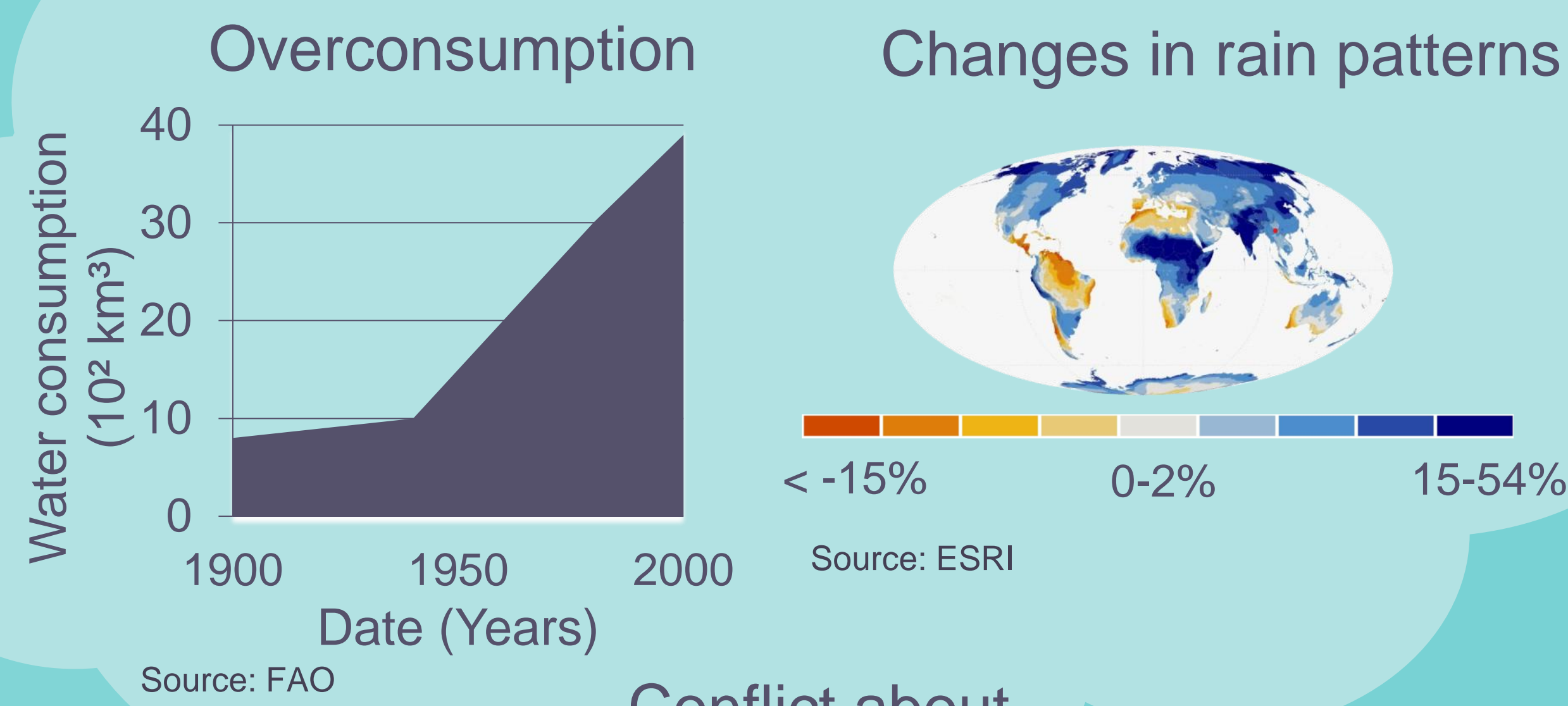
WATER, A VALUABLE RESOURCE

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WHAT CAUSED THE WATER CRISIS?



WHAT ARE WATER USE VALUES?

Values concerning the role of water as a resource for supporting our activities and the environment.



WHAT GAPS EXIST IN OUR UNDERSTANDING OF WATER USE VALUES?

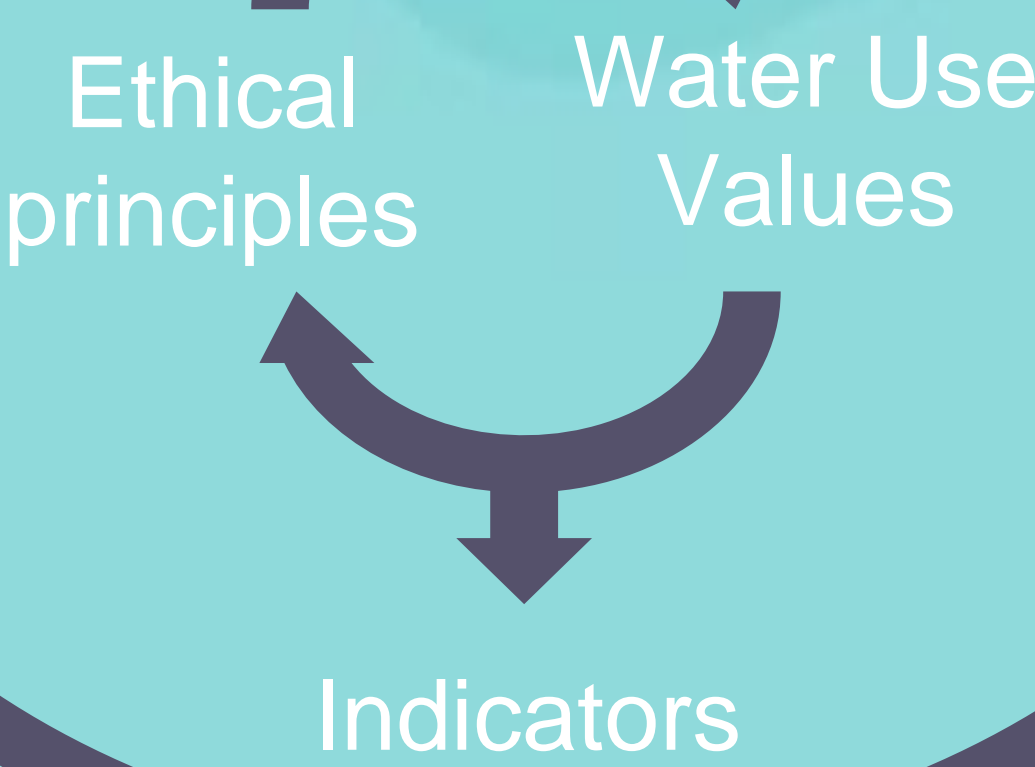
No comprehensive understanding of the values and principles that guide water use.

Lack of tools to measure and assess fairness in water use.

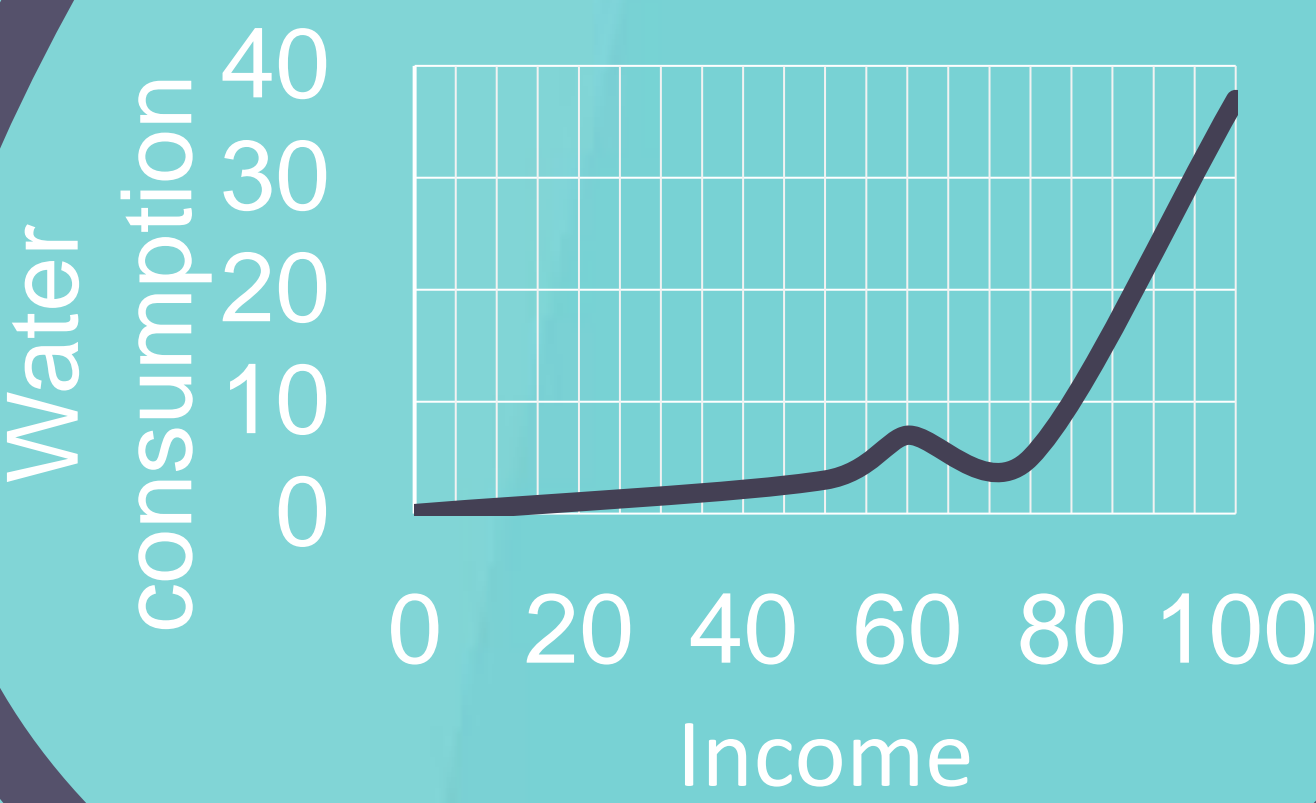
No full assessment of synergies and trade-offs between water use values on a global scale.

WHAT WILL BE STUDIED?

OBJECTIVE 1: DEVELOP A FRAMEWORK



OBJECTIVE 2: ASSESS WATER JUSTICE



OBJECTIVE 3: EXPLORE SYNERGIES AND TRADE-OFFS



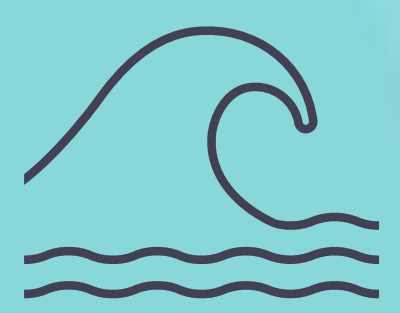
Understanding water use values and principle

More comprehensive consideration in decision-making



Assessing alignment of current practices with justice principles

Reflection on global water justice



Identifying conflicts between values and principles in water use

Information on prioritized values and principles

WHAT NEXT?

Explore pathways towards more sustainable and fair water resources allocation and consumption to mitigate the climate crisis.

Foster interdisciplinary collaboration to properly address all values.

Promote fair use within sustainable boundaries.

References:

1. Garrick, D.E. (2017). Valuing water for sustainable development, Measurement and governance must advance together, Science.
2. Gleeson, T. (2020). The Water Planetary Boundary: Interrogation and Revision, One Earth.
3. Greeve, P. (2018). Global assessment of water challenges under uncertainty in water scarcity projections, Nature Sustainability.
4. . Hoekstra, A.Y. (2012). Global Monthly Water Scarcity: Blue Water Footprints versus Blue Water Availability, PLoS ONE.
5. Schulz, C. (2024). Valuing water: A global survey of the values that underpin water decisions, Environmental Science and Policy.