Science for Solutions decade: HELPING
Hydrology Engaging Local People IN one Global world
IAHS Scientific Decade 2023-2032
IAHS Scientific Decade

Details of the Working Group – From local to large scale human-water dynamics

Describe the work and how your suggested working group will contribute to the goal(s): This working group will work on the understanding of socio-hydrological process in complex phenomena at different regions. Also, it will find similarities and differences of socio-hydrological processes at different regions and scales. To make this understanding, the working group engages local hydrologists.

Describe the methods you will use to achieve the goal(s): Different methods can be used for this work, including Participatory modelling, systems dynamics, agent-based modelling, surveying, and Machine learning.

Describe the (a) short-term, (b) the long-term and (c) the ultimate results you hope to achieve:
(a) understanding local socio-hydrological processes for different phenomena
(b) large datasets on similarities and differences of socio-hydrological processes between regions
(c) synthesis of the findings and generalizability - create guidelines and best practices for sustainable water management for policy makers.

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