



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 – Near-term (annual to decadal) forecasts of water availability**

**Describe the work and how your suggested working group will contribute to the goal(s):** There is still a gap in quantifying future water availability when considering (weather) forecasting on hand side and climate projections on the other. Apart from seasonal prediction, near-term (annual to decadal) climate predictions might help to shed light on a period that is relevant for decision-making. This, however, also requires the involvement of local stakeholders to figure out what needs they have and how to best possibly communicate uncertainties involved in this kind of predictions.

**Describe the methods you will use to achieve the goal(s):** Use of CMIP6 data to analyse past accuracy of climate models for catchment-scale analysis. Development of operational prototype systems together with stakeholders.

**Describe the (a) short-term, (b) the long-term and (c) the ultimate results you hope to achieve:**

- (a) make this type of predictions more known,
- (b) sound knowledge on the utility of data for,
- (c) scientific basis to guide practitioners.

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