**Possible involvement of UNESCO-IHE in the proposed project**

1. **Improving the capability of hydrological models for drought monitoring and prediction**

Hydrological model outputs, such as evaporation, soil moisture and river runoff, are directly relevant for drought monitoring and prediction. With our extensive experience on a large number of river basins, we would like to contribute by enhancing hydrological model capabilities for drought applications in this project. In particular, we can contribute to

* integrate remote sensing based products (such as evaporation, NDVI, Snow Cover) into a process based hydrological model,
* enhance drought forecasting skill of the hydrological model, and
* tailor hydrological model outputs for target sectors, such as agriculture, hydropower, etc.
1. **On capacity building gaps and needs**

UNESCO-IHE can play a significant role in capacity building through joint educational programmes, collaborative research and tailor made trainings on topics, such as:

* Modelling and forecasting of floods and droughts
* Assessment of climate change impacts on hydrology and water resources
* Integrated river basin planning and development under climate change
* Etc.