

Sub: Unsolved Problems in Hydrology (UPHs)- Indian perception

The Association of Hydrologists of India is happy to reiterate and put in concerted efforts to consolidate and define the Unsolved Problems in Hydrology in the Indian context. The initiative is in consonance with the major global initiative taken up by the International Association for Hydrological Sciences (IAHS) in identifying and publicising the 23 Unsolved Problems in Hydrology (23 UPHs).

As you are aware, the Association of Hydrologists of India (AHI), with the support of the Department of Science and Technology (DST) and the Ministry of Earth Sciences (MoES), on a number of occasions has deliberated on the major Challenges in Water Resources sector in the Indian context and has listed the challenges from time to time. Now in the perceptions of changing climate, anthropogenic interventions, quantum dynamics in the hydrological responses vis-à-vis the status of present and future water resources, it is essential that the challenges are well understood and defined and addressed through concerted programmes using a synergic approach.

It is, in this context as a regional activity, it is proposed that the unsolved problems relevant to the Indian subcontinent be discussed in detail by the academic and professional Hydrological communities and listed so that necessary R& D and professional activities be initiated by different teams working on various facets of Hydrological challenges.

In this context on behalf the Indian Hydrological Community and the Association of Hydrologists of India (AHI) and the International Association for Hydrological Sciences (IAHS), Prof. Ankit Agarwal, Dept. of Hydrology, IIT Roorkee, has been requested to coordinate and lead this initiative and come up with a document depicting various unsolved Problems in Hydrology in the Indian region and create possible working groups to address these challenges.

I earnestly request you to kindly go through the Google form (link provided) and submit your interest and initial inputs on this topic, to facilitate us to identify the challenges and come up with an action plan in this regard. You may kindly respond to the attached google form as soon as possible and if possible before 27 October 2023.

Pl. follow the google form link for UPHs: <https://forms.gle/EuvmiTCMDhyyWpvQ9>

With best regards

Rajendra Prasad
President,
Association of Hydrologists of India