



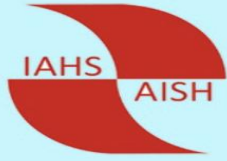
# XII<sup>th</sup> Scientific Assembly of the International Association of Hydrological Sciences (IAHS 2025)

October 05-October 10, 2025 | IIT Roorkee, India



## 3.3 Oral+ForumOral | Wednesday, October 8

S.No.	Abstract ID	Abstract Title	Theme	Contribution Type	Participant Name	Affiliation	Country
1	IAHS25_ABS_B7276	Research on Ensemble Probabilistic Flood Forecasting Based on Runoff and Rainfall Knowledge-Guided Deep Learning	ICSW	Plenary Oral (15-minute oral presentation)	Dr. LIU Chengshuai	Zhengzhou University	China
2	IAHS25_ABS_O3974	Reconstruction of the South Lhonak Lake Glacial Lake Outburst Flood (GLOF) in Sikkim Himalaya India	ICSIH	Plenary Oral (15-minute oral presentation)	Dr. Vishal Singh	National Institute of Hydrology Roorkee	India
3	IAHS25_ABS_X5929	Strengthening GLOF Risk Mitigation in India: Challenges and Strategies	ICSIH	Plenary Oral (15-minute oral presentation)	Dr. Gagandeep Singh	National Institute of Disaster Management	India
4	IAHS25_ABS_Q9988	Integration of non-linear conceptual reservoirs without tears using the QuaSoARE method	ICSW	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Julien Lerat	CSIRO	Australia
5	IAHS25_ABS_Y1464	A simple calibration-free Dynamic Budyko model for streamflow prediction in data scarce regions	ICSW	Forum Oral (1-minute flash presentation)	Dr. Prashant Sandipan Istalkar	IIT Bombay	India
6	IAHS25_ABS_E1845	Satellite-based Surface water mapping using combined Optical and SAR	ICSW	Forum Oral (1-minute flash presentation)	Mr. Shagun Garg	University of Cambridge	United Kingdom
7	IAHS25_ABS_W8237	Sustainable Solutions for Stormwater Management in Urban Environments	ICSW	Forum Oral (1-minute flash presentation)	Mr. ARUP BABU	IIT Delhi	India
8	IAHS25_ABS_F1055	Assessing the Role of Wetlands as Nature-Based Solution in Flood Mitigation in Delhi-NCR	ICSW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Anish Aryal	IIT Delhi	India
9	IAHS25_ABS_F9104	Assessment of Climatic and Anthropogenic Activities Impact on Streamflow Response of the Anandapur Subbasin using SWAT Model	ICSW	Forum Oral (1-minute flash presentation)	Ms. Shaheen shaheen	IIT Bhubaneswar	India
10	IAHS25_ABS_O2539	Regionalising high-mountain wetland hydrological behaviour in the Tropical Andes	ICSW	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Anthony C Ross	Imperial College London	United Kingdom
11	IAHS25_ABS_R6357	Performance Evaluation of the Variable Parameter McCarthy-Muskingum Method and the Kinematic Wave Method for Overland Flow Simulation	ICSW	Forum Oral (1-minute flash presentation)	Dr. Ravindra Vitthal Kale	National Institute of Hydrology Roorkee	India
12	IAHS25_ABS_O7099	Spatiotemporal Characterization of Hydro-Meteorological Disasters in Indian Himalaya: An MCDM based Prioritization Approach for Disaster Resilience	ICSW	Forum Oral (1-minute flash presentation)	Dr. Pankaj Kumar	GBPUAT Pantnagar	India
13	IAHS25_ABS_M9227	Arctic Climate Variability and Its Influence on Seasonal Snow Dynamics in the Hindu Kush Himalayas	ICSIH	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Anant Dikshit	IIT Roorkee	India
14	IAHS25_ABS_A2441	Impact of snow land data assimilation on hydrological processes in Community Land Model version 5 with SWEML	ICSIH	Forum Oral with Poster (1-minute flash presentation and poster)	Mr. Jungho Seo	Yonsei University	Republic of Korea
15	IAHS25_ABS_Y2274	Global River Basin Classification Framework Based on Water Security Metrics	HELPING theme 2	Forum Oral with Poster (1-minute flash presentation and poster)	Ms. T R Sreeshna	IIT Delhi	India
16	IAHS25_ABS_I2525	ANALYSING THE HYDROLOGICAL RESPONSE OF THE GLACIATED GANGOTRI BASIN UNDER DRY WET AND NORMAL PRECIPITATION YEARS	ICSIH	Forum Oral (1-minute flash presentation)	Dr. Manish Kumar Nema	National Institute of Hydrology	India
17	IAHS25_ABS_U6726	Long-term Snow Cover Dynamics in the Indian North-Western Himalayas using Multi-Sensor Satellite Data	ICSIH	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Ms. Sakshi Tripathi	IIT Roorkee	India
18	IAHS25_ABS_J6735	GIANT AUFEIS IN THE NORTHEAST OF RUSSIA ACCORDING TO THE HISTOTICAL DATA OF 1958 AND SATELLITE IMAGES OF 1973&2021	ICSIH	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Olga Makarieva	St. Petersburg State University	Russian Federation



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19	IAHS25_ABS_F8214	Impact of Spring Sea Ice Variability in the Barents-Kara Region on the Indian Summer Monsoon Rainfall	ICSIH	Forum Oral with Poster (1-minute flash presentation and poster)	Dr. Divya Sardana	IIT Roorkee	India
20	IAHS25_ABS_I4513	Spatial and temporal variability of snow in Himalayan Mountains Catchment	ICSIH	Forum Oral (1-minute flash presentation)	Mr. Ayush Bharti	IIT Mandi	India
21	IAHS25_ABS_F9059	Evolving snow drought impacts on the hydrological behavior of headwater catchments in the Andes Cordillera.	ICSIH	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Dr. James McPhee	University of Chile	Chile
22	IAHS25_ABS_S2981	Co-Creating Water Knowledge for Climate Resilience: Understanding Precipitation Shifts and Their Impacts in South Asia and China	ICSIH	Forum Oral with Poster and Video-Interview (1-minute flash presentation poster and 3-minute video interview)	Dr. Dhiraj Pradhananga	Tribhuvan University/The Small Earth Nepal	Nepal
23	IAHS25_ABS_Q2742	Filling Intermittent and Continuous Discharge Data Gaps: A Comparative Evaluation of Imputation Methods	ICSH	Forum Oral with Poster (1-minute flash presentation and poster)	Prof. Priyank J Sharma	IIT Indore	India