



IAHS 2025

October 05 - 10, 2025

Indian Institute Technology Roorkee, India



IAHS ECC & YHS India workshops for Early Career Researchers in Hydrology

Workshop 2: Advancing Hydrology with Big Data and Machine Learning

Date & Time: 11 October 2025 | 10:00-12:00

Venue / Room: Lecture Hall Complex, IIT Roorkee, India

Agenda

Time	Session / Topic	Speaker	Speaker Image
10:00 – 10:05	Welcome & Opening Remarks	Dr. Moctar Dembélé, IWMI	-
10:05 – 11:00	Hydrogeomorphic Responses to Climate and Land Use Change in Urbanizing Headwater Catchments + Hands-on Session	Prof. Adeyemi Olusola, York University	
11:00 – 11:55	Prediction of Soil Moisture Using Machine Learning Techniques in the Upper Luni River Basin (ULRB) + Hands-on Session	Dr. Sushindra Kumar Gupta, National Institute of Hydrology Roorkee	
11:55 – 12:00	Closing Remarks & Thanks	Abinesh Ganapathy, IIT Roorkee	-