Session Title

Data-Driven Hydrological Monitoring and Modelling for Flood Forecasting

Format

Presentations

Participants

Angela Corina, WMO (Moderator)
Hwirin Kim, PhD, WMO
Ramesh Tripathi, MSc, WMO
Tom Kanyike, MSc, P.Eng, ICPAC
Natalie Gervasi, Environment and Climate Change Canada
Charles Kakooza, MSc, Ministry of Water and Environment, Uganda
Marcelo Uriburu Quirno, National Commisssion on Space Activities, Agentina

Description

Session Objective: To explore and advance data-driven approaches for hydrological monitoring and AI based or physical modelling that enhance the flood forecasting to support effective risk management and decision-making.
Session Output: Participants will gain a clear understanding of how AI-based and physically based hydrological models, combined with earth observation and in-situ monitoring data, can improve flood forecasting performance for effective risk management and decision making.