



CARE | SOUTH ASIA



4th session of the
SAHF EXECUTIVE COUNCIL MEETING

OPERATIONAL HYDROLOGY

BEN CHURCHILL

Director

WMO Regional Office for Asia and the
Southwest Pacific

DISCUSSION OUTLINE / OBJECTIVES

- I. Strengthen and sustain capacities of SAHF Member Countries on flood forecasting and warning services
- II. Empower the SAHF WG on Hydrology to support strengthening of the hydrological value chain in the region
- III. Update the ToR of SAHF WG on Hydrology for better alignment with key regional and global initiatives in hydrology and water resources
- IV. Inclusion of a hydrological representative in SAHF EC
- V. With support from SAHF Secretariat and Member Countries, mobilize technical, financial and human resources to support the activities in operational hydrology for the region





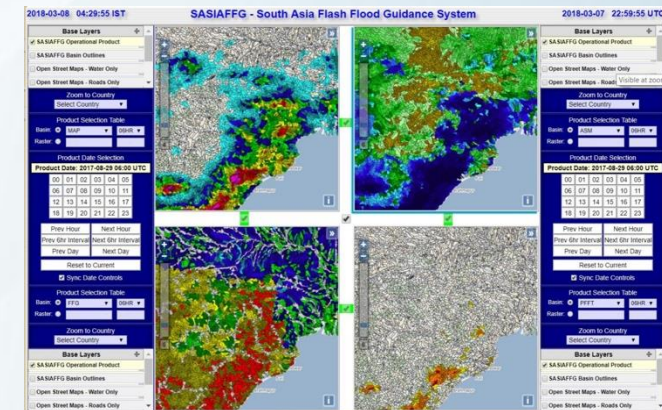
CARE | SOUTH ASIA



4th session of the
SAHF EXECUTIVE COUNCIL MEETING

BACKGROUND

- South Asia region one of the most vulnerable to hydrological and water resources challenges
- Various initiatives such as WMO Flood Forecasting Initiative (FFI) including Flash Flood Guidance System (FFGS), the Global Hydrological Status and Outlook Systems (HydroSOS), the WMO Hydrological Cycle Observing System (WHYCOS) – WMO HydroHub, the WMO Hydrological Observing System (WHOS) along with WMO Regional Association II offer Members the opportunity to enhance their capacities across the hydrological value chain
- The SAHF through its Working Group on Hydrology can both support global initiatives in operational hydrology and leverage them to strengthen regional capacities and knowledge exchange





CARE | SOUTH ASIA



4th session of the
SAHF EXECUTIVE COUNCIL MEETING

RESOLUTIONS



SAHF EC is invited to consider and adopt the following resolutions:

- a) Endorse the adoption of appropriate actions to ensure the sustainability of flood forecasting and warning services in the region, including the exploration of technical and financial mechanisms to support continued maintenance, development, and capacity development
- b) Mandate the SAHF WG on Hydrology, the co-responsibility together with WMO RA II – for guiding and supporting the implementation of initiatives such as HydroSOS, WHOS and others in the SAHF Members
- c) Entrust the SAHF WG on Hydrology to ensure adequate representation of technical focal point(s) to liaise with relevant WMO technical bodies at global and regional levels, and to report back to the SAHF EC on the progress of implementation
- d) Requests the revision of the ToR of the SAHF WG on Hydrology to ensure alignment with the WMO Plan of Action for Hydrology and the hydrological components of the WMO RA II Operating Plan

SAHF EC is invited to consider and adopt the following resolutions:

- e) Endorses the representation of a hydrological expert to the SAHF Executive Council as outlined in Annex –1 (Terms of Reference of Hydrological Representative to SAHF EC)
- f) Mobilize the necessary technical, financial, and human resources—through the SAHF Secretariat, with support from the World Bank, WMO, and SAHF Members—to support the implementation of hydrological initiatives across SAHF Member countries.
- g) Requests the SAHF to: a) review current and future ocean-atmospheric conditions and their repercussions on rainfall patterns in South Asia in order to generate a South Asian Climate Outlook (climatologists in coordination with RCC-Pune); b) participate in discussions on climate forcings in the region and discuss the results of climate forecast models to be used as input for a hydrological outlook (climatologists and hydrologists); and c) generate hydrological outlooks for basins selected by participating countries (hydrologists).
- h) Establishment of a Regional Hydrological Outlook Forum with the guidance of WMO and other regional agencies