



**GFDRR**  
Global Facility for Disaster Reduction and Recovery



Foreign, Commonwealth  
& Development Office

# SOUTH ASIA HYDROMET FORUM III

**SAHF VOICES & FUTURE DIRECTIONS**

**WAY FORWARD**

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**November 15-18, 2021**  
**Annual Event- Virtual**

# SUGGESTED ACTION PLAN & TARGETS

## **PRIORITY 1: ENHANCE OBSERVATIONS & INTEGRATION INTO FORECASTING**

- NHMS -ECMWF and RIMES -Data Exchange Platform to be scaled up. **(Time Frame: 6- 9 months) - Feedback for improving medium range skill (3-5 day lead) of extreme weather prediction**
- **TARGET 1:** Real-time data exchanged within the region: **15%** improvement
  - Country level data used for performance evaluation of local scale severe weather predictions
- **TARGET 2:** Historical observation data: **20%** improvement
  - Historical data of extreme events for past 5-years will be used - to evaluate global severe weather forecasts - show value of additional data improving past country level severe weather predictions

# SUGGESTED ACTION PLAN & TARGETS

## **PRIORITY 2: ADDRESS USER NEEDS THROUGH TAILOR-MADE PRODUCTS LEVERAGING COLLECTIVE STRENGTHS**

- **TARGET 1:** Forecast Accuracy: **10%** improvement
  - By using real time data from countries for continuous assimilation at 3Km grid scale for SAHF countries NWP needs
- **TARGET 2 :** Establish SAHF Regional Cloud computing, storage and networking services infrastructure with investment by pooling of resources
  - Through scaling up existing DATAEX Platform to acquire, host and share new and additional global and regional digital ensemble prediction products

# SUGGESTED ACTION PLAN & TARGETS

## **PRIORITY 3: IBF- A UNIFYING APPROACH FOR BETTER SERVICE DELIVERY**

- **TARGET 1:** National institutional mechanisms involving User Sector institutions established on lines of BANCCA (Bangladesh), IRU ( India) & SNCCA ( Sri Lanka) for co-production of Services in all other 6 SAHF countries  
(Time Frame : 1 year)
- **TARGET 2:** IBF/ DSS implemented for at least 3 sectors – Agri, DRM and Water  
(Time Frame: 2 years)

# SUGGESTED ACTION PLAN & TARGETS

## **PRIORITY 4: CAPACITY DEVELOPMENT IS THE BACKBONE**

- **TARGET 1:** At least 30% of the NMHS operational staff trained
- **TARGET 2:** At least 20% Staff of user sector institutions trained

**(Time Frame : 2-3 Years)**

# SUGGESTED ACTION PLAN & TARGETS

## REPORTING

SAHF EC and WGs could elaborate details of Action plan and reporting

- **TARGET 1:** Periodic meetings and on line reporting with WGs engagement (monitored by EC)
- **TARGET 2:** CONSOLIDATED REPORT at SAHF IV

# SUGGESTED ACTION PLAN & TARGETS

## THE SA-HYDROMET CLOUD

- Improved Regional Data Access
  - Cloud Platform to store and provide (20%) increased data access (Year-I of establishment)
- Improved analytics (Used for IBF)
  - Access to climate/localized analysis and indices, extremes (Year I of establishment)
- Access to Knowledge Hub (for Capacity Building)
  - Supports improved access to resources, forums, domain experts, trainings (9 months)
- *Feasibility study on Comparison of Commercial cloud vs Private cloud platform (Report to be shared with EC in 1 month)*





SOUTH ASIA

**HYDROMET FORUM III**

**2021**

**PROGRAM TO SUPPORT SOUTH ASIA REGIONAL DEVELOPMENT IN  
OPERATIONAL FORECASTING AND SERVICE DELIVERY**

**SAHF Website:** <https://sahf3event.rimes.int/>

**YouTube Broadcast:**  
<https://youtu.be/QAAf326wP00>