

SECOND SAHF EXECUTIVE COUNCIL MEETING

19-20 SEPTEMBER 2022, THAILAND

RIMES Initiatives in the Region

Itesh Dash and Anshul Agarwal

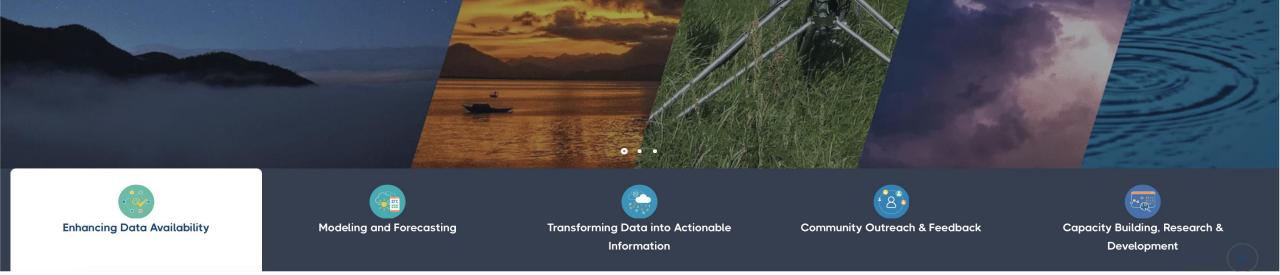












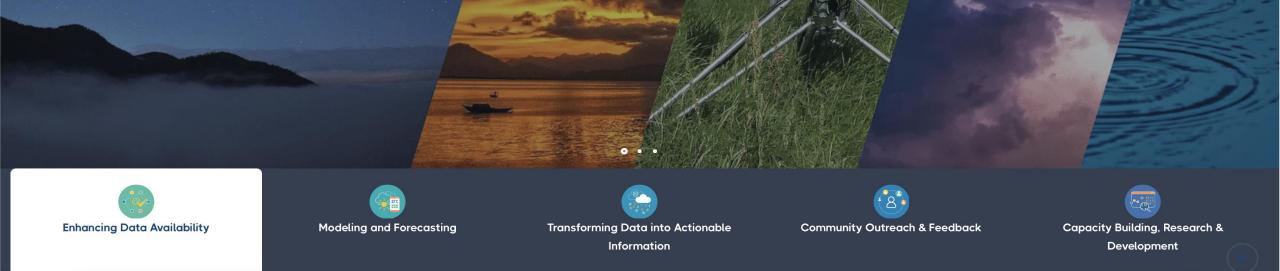
- Climate Services Value Chain
 - Enhancing Data availability
 - Modeling and Forecasting services
 - Transformation of Data to Actionable information
 - Community Outreach
 - Capacity building



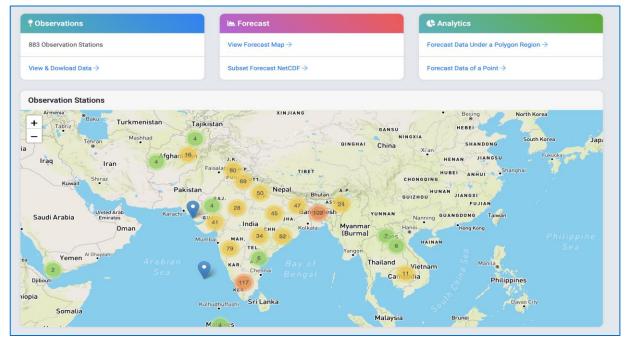
- Observation Network
- NWP Support
- IBF Support
- Capacity Enhancement







- Data Ex enhancing exchange of regionally relevant data amongst RIMES Member countries
- Making available a variety of Satellite derived and reanalysis data sets















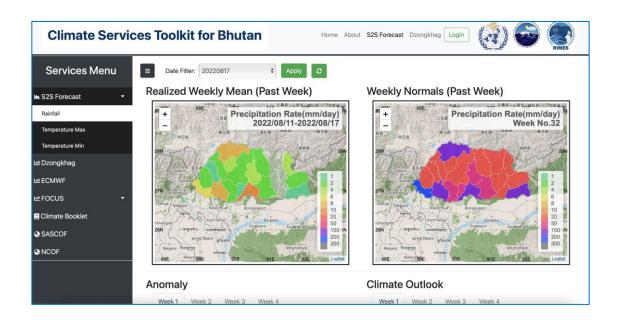
- NWP Model development support Short range
- Climate Services Toolkit Development Extended Range [Bhutan - WMO]
- Forecast Customization System Long Range [SA Region ARRCC]
- Regional Data Analytics System RDAS [WB CARE]
- Data Exchange Platform [WB-SAHF]
- Hydrological and Hydraulic modelling [Bhutan, Bangladesh, Nepal, Sri Lanka, Myanmar, India, Pakistan]





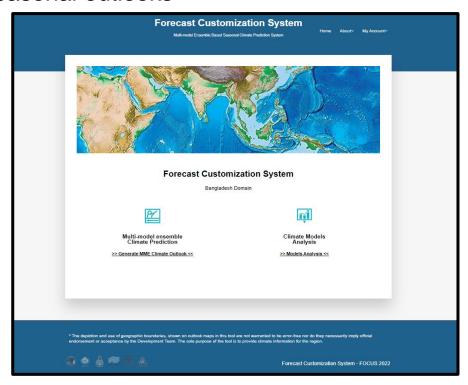
Climate Services Toolkit

A toolkit for the provision of extended range forecast support to Bhutan



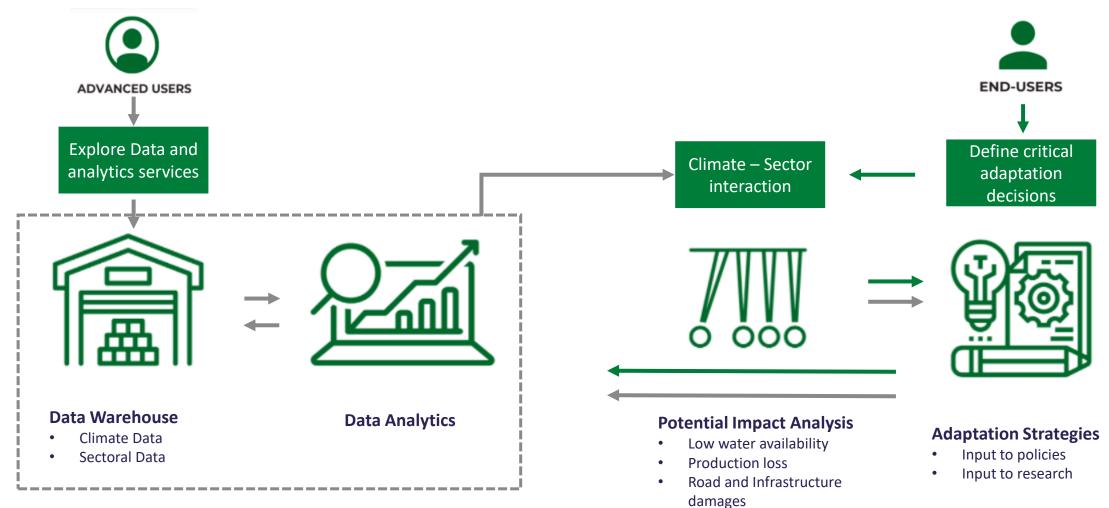
FOCUS

a tool to support NHMSs in the generation of seasonal forecasts and consensus Monthly and seasonal outlooks





Regional Data Analytics Services













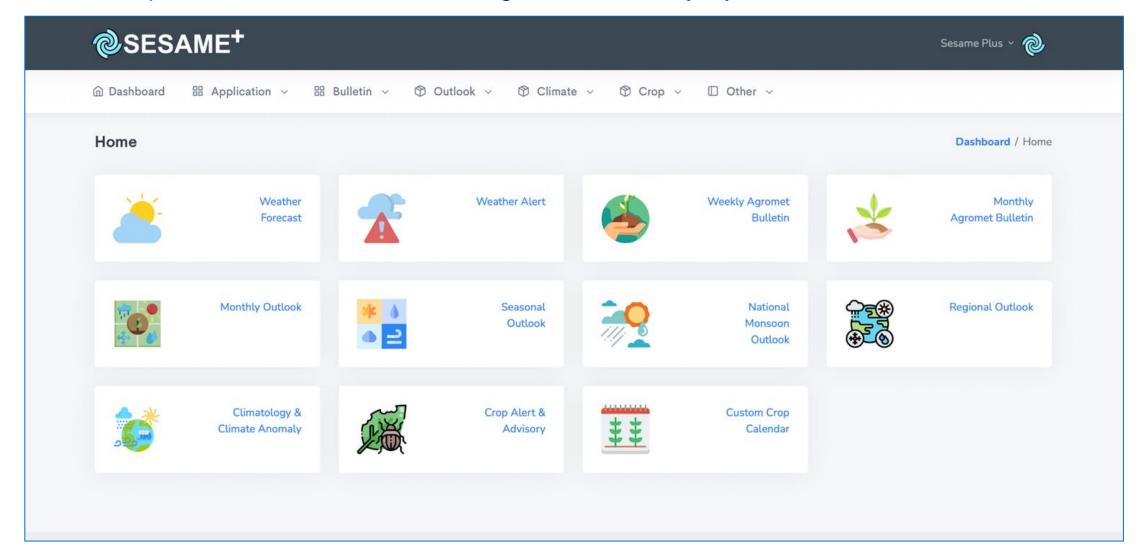




- Enhancement of Agro-met Advisory System SESAME ARRCC Bhutan CST - WB CARE
- Enhancement of Flood Forecasting System
 – FLoCAst Bhutan CST SATARK WB-CARE
- Development of Transport DSS WB CARE
- MHEWS system SATARK and TNSMART

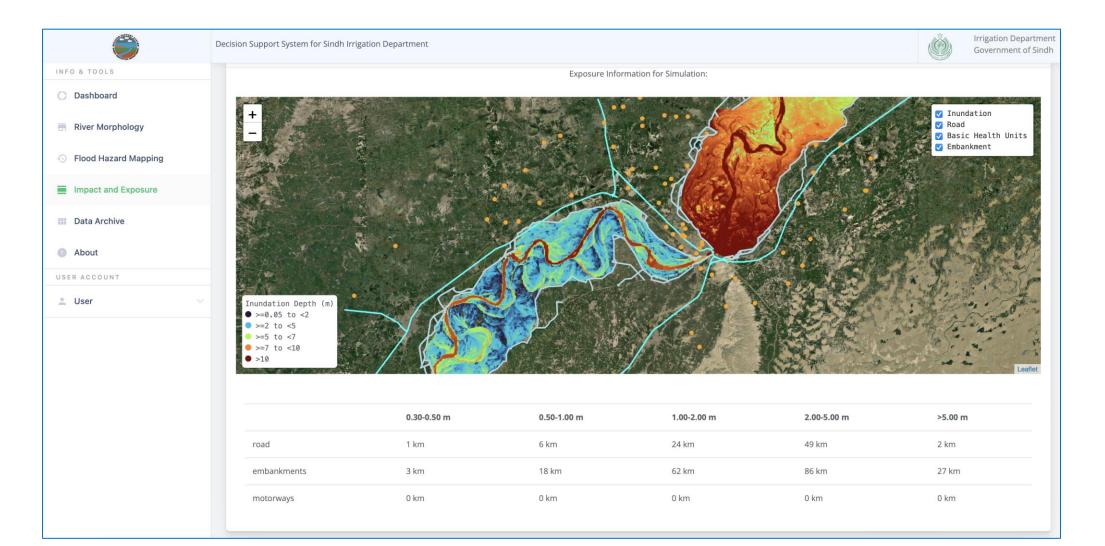


Development and Enhancement of Agro-met Advisory System – ARRCC – WB CARE



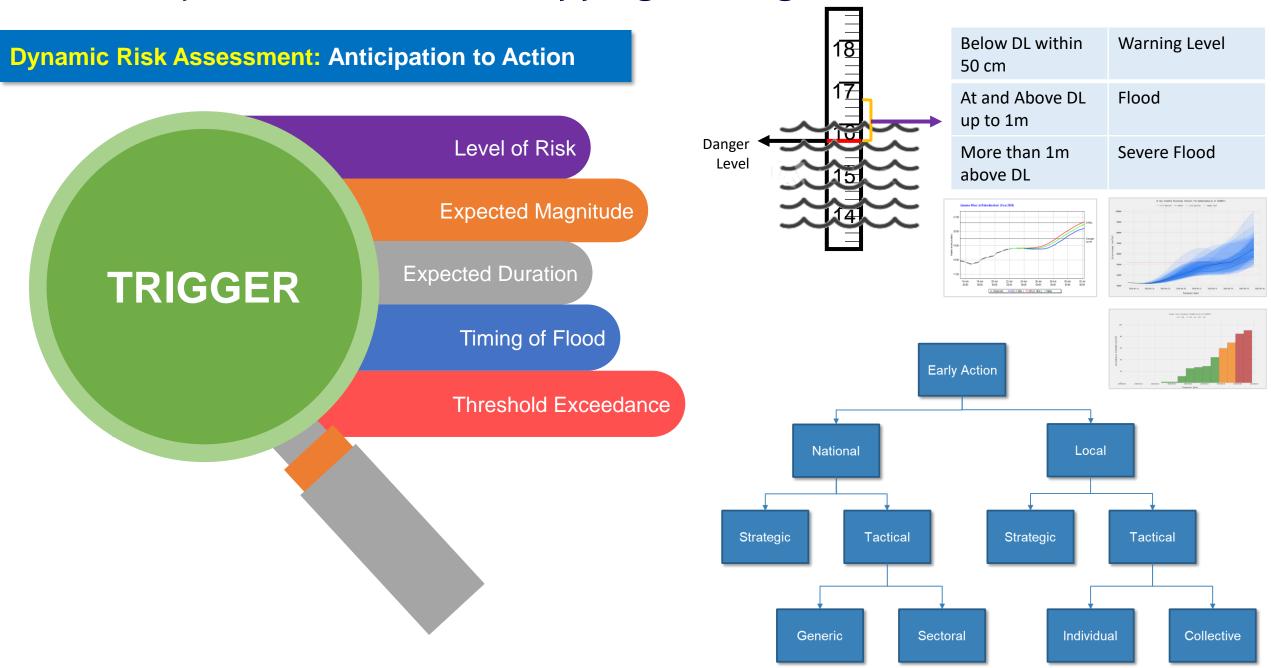


Development and Enhancement of Flood Impact-based Forecasting – WB-CARE

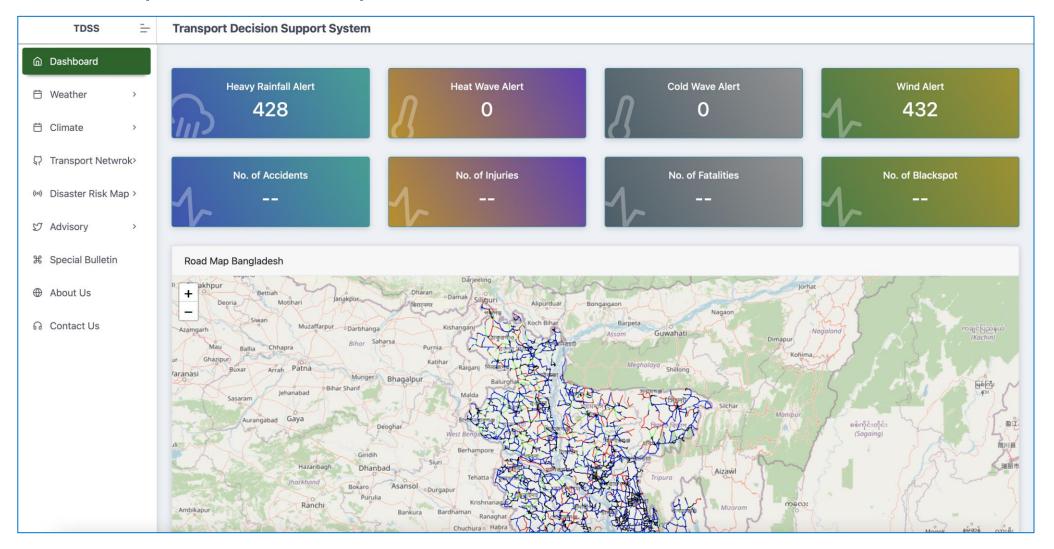




Dynamic Flood Risk Mapping in Bangladesh - SUFAL

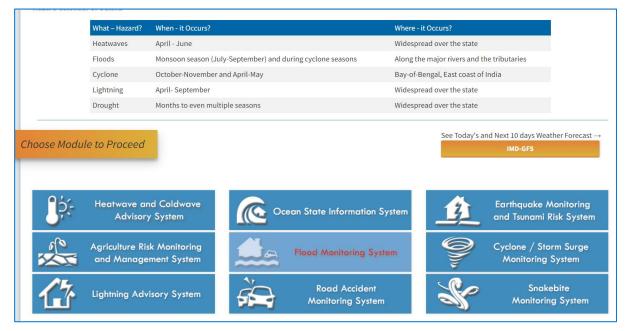


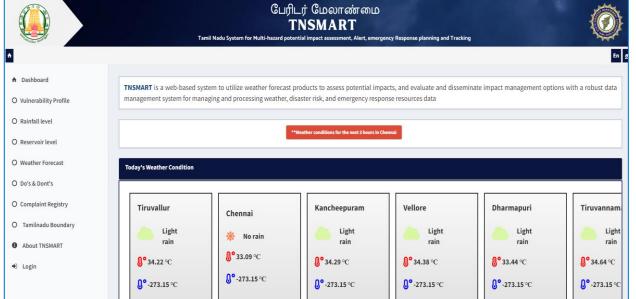
Development of Transport DSS – WB CARE





MHEWS System – SATARK and TNSMART

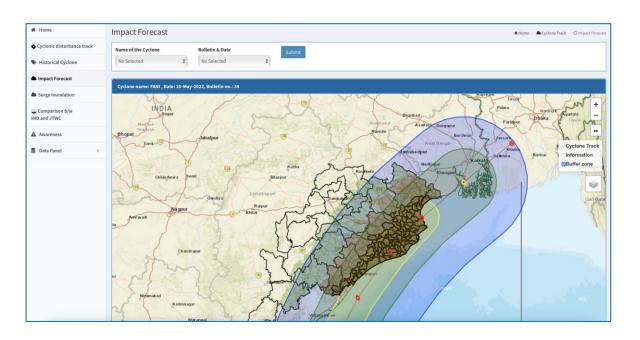


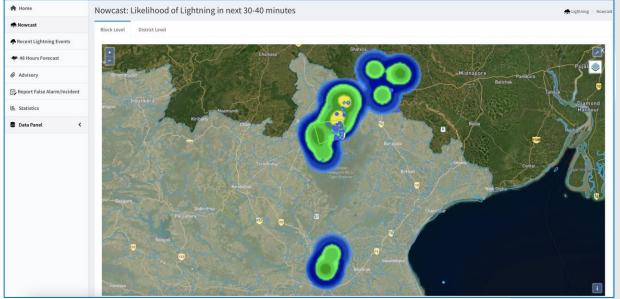






- A web/smart-phone based Decision Support System that aids in provision of timely early warning information for different hazards
- Generates risk based alerts/warnings with a fully automated dissemination platform

















Regional cooperation workshop for enhancing forecasting, monitoring and preparedness for Floods and Droughts in South Asia (6th session held in August 2022)

Bangladesh: BMD, FFWC

Bhutan: NCHM

India: IMD

Nepal: DHM

Pakistan: PMD, PANCID, SID

Sri Lanka: DOI, DOM and DMC

- UNESCAP
- UKMO
- WMO
- IWMI
- ICHARM
- ICIMOD
- RIMES













Monsoon Forum

- Institutional forecast product sharing mechanism between the NHM providers and users of forecast products
- Obtaining and prioritizing recommendations for enhancing forecast/climate risk information generation and applications





8th National Monsoon Forum held in Islamabad, Pakistan

July 07, 2022



Maldives holds its 7th National Monsoon Forum in Male

June 12, 2022







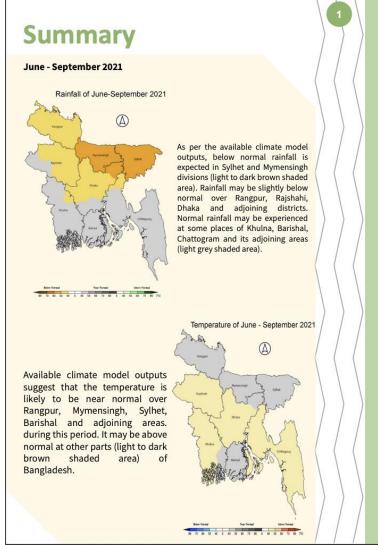




Bangladesh – Winter Forum (ARRCC)

Co-designing National Products & Enhancing User Experience











Empowering last mile users in early warning information delivery and application



Strengthening Last Mile Communication in South Asia Region: Bangladesh, Nepal, Pakistan and Sri Lanka

Supported by USAID through UCAR







Supporting flood forecast action and learning in Bangladesh-SUFAL Phase II



Promoting Forecast-based Early Action through SUFAL II



- ARRCC [Bangladesh, Nepal]
 - Agro advisory, Seasonal Forecasting
- WMO-CST [Bhutan]
 - Flood modeling and NWP modeling
- ESCAP [Bhutan, Cambodia, Timor Leste, Maldives, PNG, Fiji, Samoa]
 - Impact Based Forecasting, NWP, and Weather modeling
- Sindh DSS with AIT [Pakistan]
- WMO [Myanmar]
- Joint Research with BRRI Bangladesh
 - A pilot has been conducted to evaluate the performance of climate service at the field level.
 - This research was jointly carried out for the rice variety BRRI Dhan-29 and BRRI Dhan-89.







Application Of Multi-time Scale Forecast In Bangladesh Under **ARRCC Program**



Regional Integrated Multi-Hazard Early Warning System for Africa and Asia

















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