



SECOND SAHF EXECUTIVE COUNCIL MEETING

19-20 SEPTEMBER 2022, THAILAND

INTRODUCING THE SAHF KNOWLEDGE HUB

RIMES Team

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EUROPEAN UNION



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RIMES



SOUTH ASIA
HYDROMET FORUM



GFDRR
Global Facility for Disaster Reduction and Recovery



Foreign, Commonwealth
& Development Office



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Teaching Resource

Start Exploring

Category



Level



SUBMIT

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SAHF KNOWLEDGE HUB

A REGIONAL INFORMATION PORTAL AND REAL-TIME COMMUNICATIONS MECHANISM

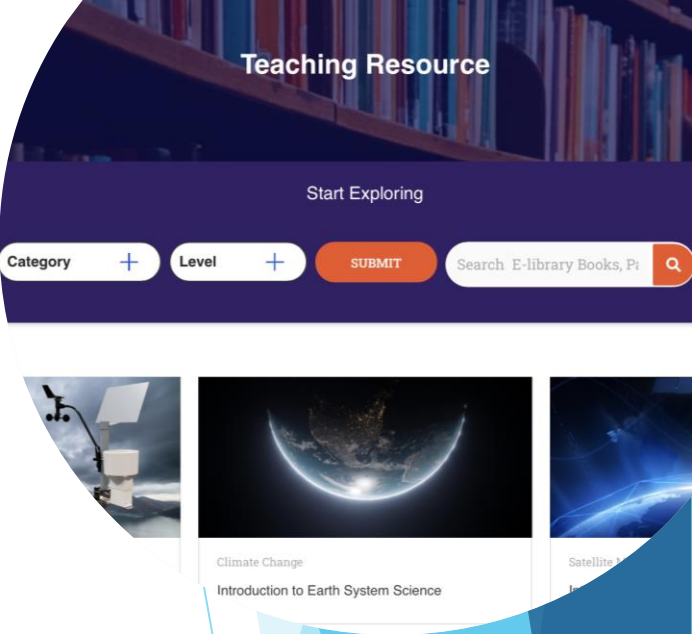
The Knowledge Hub is an interactive platform which allows

1. Access, Visualize, Processing and Analyze

- Quickly access and visualize forecast products in digital form and download them in user defined form
- Integrate ensemble forecast from different sources
- Real-time verification and performance metrics for region and location using WMO standard verification methods

2. Forecasters Interaction

- Regular discussions on relevant topics through a forecaster's forum – “ask the expert”
- Online library of an organized collection of relevant research papers, reports, and web resources
- Join scheduled or on-demand training programs planned and organized by SAHF through the MLS platform





OBJECTIVES

1. Provide a **sustained technical platform** for weather and climate services oriented to national benefits, complementing and reinforcing World Bank financed national activities, leading to more effective and sustainable investments in improving meteorological and hydrological services enhancement and delivery throughout the region.
2. Serve as a one stop platform for product and capacity support
3. Promote knowledge sharing within NMHSs of the region, through the activities initiated through SAHF



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KNOWLEDGE HUB AND SAHF STRATEGIES

Knowledge Sharing

development and provision of weather, climate and hydrological services by

facilitating intra-regional coordination cooperation among key stakeholders

Regional Study

to strengthen key elements of the hydrometeorological service value chain

Impact Based Forecasting, Optimizing Observational Networks and Cascading forecasting process

South Asia Regional Development

Operational Forecasting and Service Delivery

Training Program

weather forecasting & service delivery including

ensemble prediction, impact-based forecasting, advisory services and business integration

Regional Information Portal

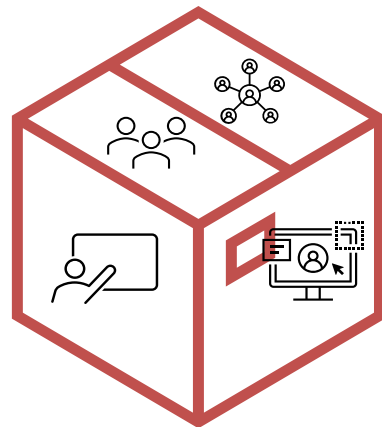
real-time communications mechanism

to serve as public goods to enable effective exchange of information among members



GOALS OF THE KNOWLEDGE HUB

- ▶ Provide access to NWP products and information of regional and global (open) producing centers such as ECMWF, NCEP, IMD, WMO Severe Weather Forecasting Program (SWFP) etc. interfaced with geospatial analytical tools.
- ▶ Enhance the accessibility of intra-regional data and spatial socio-economic information among SAR countries; and facilitating access and analysis tools that promote standards and protocols of production, evaluation, and archival protocols.
- ▶ Establish an intraregional continuous communication mechanism
 - Essential for coping with large-scale extreme events and accelerate the adoption of modern forecasting techniques.
 - To ensure that each country maximizes the benefits of national investments by accessing technical support during extreme events



SAHF-Knowledge Hub

The SAHF Knowledge Hub will support Meteorological Services (NHMSs) in the SAR Countries through:

- Access to weather and climate forecast products of different sources and time scales
- Platform for discussion and integrating capacity development through a learning management system



COMPONENTS AND FEATURES OF THE HUB



SAHF Project



Forecaster's Workbench



Visualization Platform



SAHF Event



Forecaster's
Forum



Training And
Resources

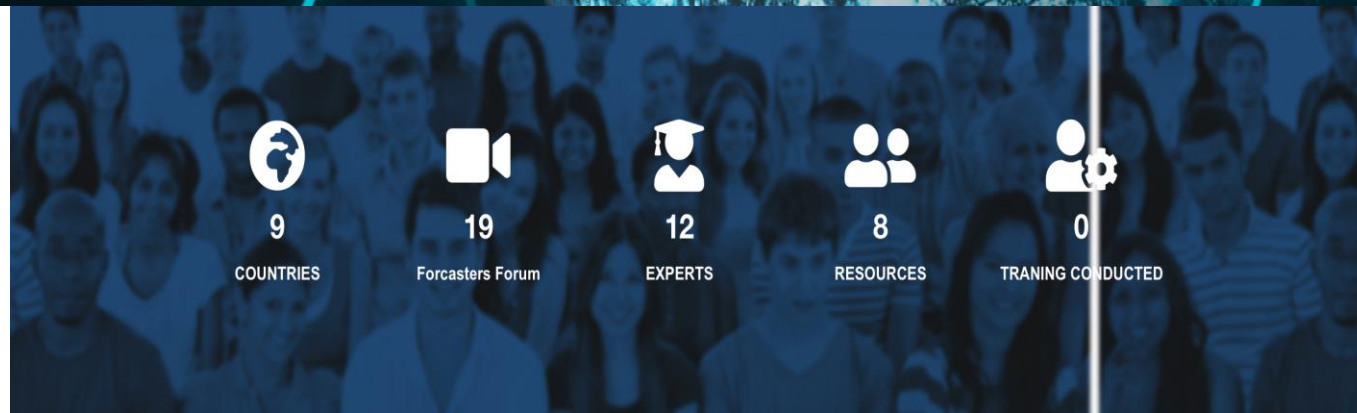
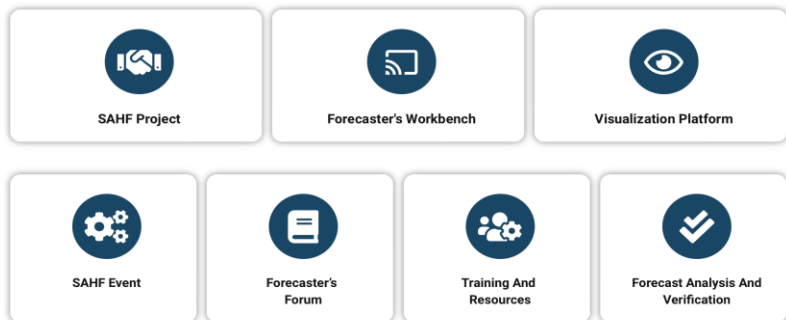


Forecast Analysis And
Verification



SAHF Project , Background & Implementation Stratergies

COMPONENTS OF THE KNOWLEDGE HUB





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SAHF Project , Background & Implementation Stratergies

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LEARN MORE

DEMONSTRATION AND DISCUSSION OF THE KNOWLEDGE HUB