

SECOND SAHF EXECUTIVE COUNCIL MEETING

19-20 SEPTEMBER 2022, THAILAND

Highlights of SAHF Impact-Based Forecasting Working Paper

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RIMES



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GFDRR
Global Facility for Disaster Reduction and Recovery



Foreign, Commonwealth
& Development Office

Status of IBF and Needs in the SAHF Region

- IBFs in sectors like aviation, agriculture and water have been in operations in most countries of the region in a more traditional framework cast in a rather top-down fashion
- Bangladesh, India and Nepal progress has already been made with some illustrative examples in sectors such as agriculture, disaster management and water and health through projects such as ARRCC and World Bank projects
- Rest of countries are still planning to start IBF
- Most countries face similar technical, capacity, resource, and other challenges in their efforts to implement IBF systems for provision of user-oriented hydro-meteorological and climate services.
- Creating a robust interface with user agencies that enables a process of co-development is an essential first step.
- Two main requirements that are common to the region for enabling development of robust IBF:
 - awareness and trainings on IBF - This includes suggested co-development workshops that can help create effective interface with key sector agencies.
 - observation, forecast products and socio-economic data including vulnerability and risk information to be collected and collated for building IBF tools and associated service delivery enhancements.

Past IBF Trainings and Impacts

- ▶ UNESCAP Phase 2 project – a Virtual training on potential impact assessment, risk analysis, and application of outputs on planning and decision-making for resource and risk management for weather and climate information users in the agriculture, disaster risk management, water resources, public health, energy, and other relevant sectors
- ▶ UNESCAP Phase 2 project – Virtual technical training for NMHS aimed at addressing residual capacity gaps in providing seamless forecast and warning products and services.
- ▶ Multiple stakeholder involvement is a challenge in Sri Lanka. Institutional Integration is required
 - ▶ Department of Meteorology -Heavy Rain, Strong Winds, Lightning and Tropical Cyclone warnings
 - ▶ Irrigation Department – Flood Warnings
 - ▶ National Building Research Organization – Landslide warning
 - ▶ Disaster Management Center – Warning Dissemination

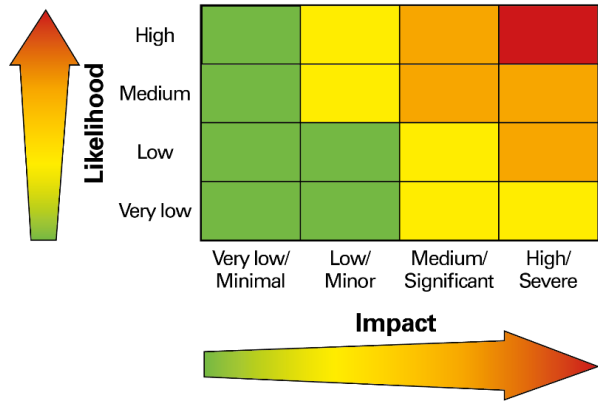


Training on IBF and Risk Analysis for Asian countries (UNESCAP Supported)

Status of Sector Engagement and Sector Data

- Engagement of sector users and NMHSs is limited in most of the countries
- Limited access to sector data for IBF
- Co-production at an early stage

Warning Risk Level (green, yellow, amber, red)



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வளிமண்டலவியல் திணைக்களம்
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Bulletin No: 03
COLOR: Amber

WW/0/19/07/04/03

Advisory for Strong winds and Rough Seas

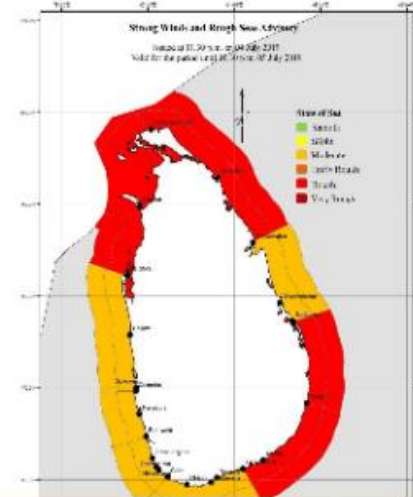
Issued by the Natural Hazards Early Warning Centre
At 01.30 p.m. 04 July 2019 for the period until 01.30 p.m. 05 July 2019

FOR THE SEA AREAS FROM HAMBANTOTA TO BATTICALOA AND PUTTALAM TO TRINCOMALEE VIA MANNAR AND KANKASANTURAI

PLEASE BE AWARE

The sea area off the coast extending from Hambantota to Batticaloa via Pottuvil and the sea area off the coast extending from Puttalam to Trincomalee via Mannar and Kankasanturai will be rough at times as the wind speed can increase up to 60 kmph.

Naval and fishing communities are requested to be vigilant in this regards.



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Bulletin No: 01
COLOR: Amber
WW/7/21/03/11/01

Advisory for Severe Lightning

Issued by the natural hazards early warning center
Issued at 03.30 p.m. 11 March 2021 for the period until 10.30 p.m. 11 March 2021

PLEASE BE AWARE:

Thundershowers accompanied by severe lightning are likely to occur at several places in Central, Sabaragamuwa and Western provinces and in Galle and Matara districts.

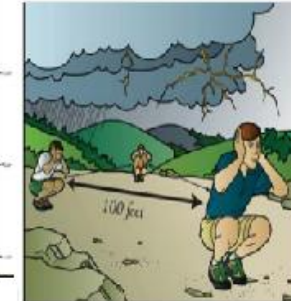
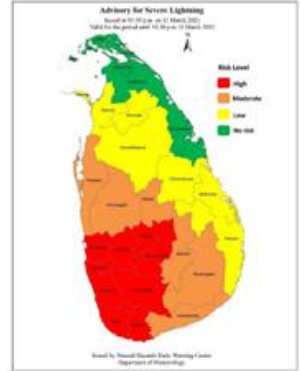
Fairly heavy showers above 75 mm are likely at some places in these areas.

There may be temporary localized strong winds during thundershowers. General public is kindly requested to take adequate precautions to minimize damages caused by lightning activity.

ACTION REQUIRED:

The Department of Meteorology advises that people should:

- Seek shelter, preferably indoors and never under trees.
- Avoid open areas such as paddy fields, tea plantations and open water bodies during thunderstorms.
- Avoid using wired telephones and connected electric appliances during thunderstorms.
- Avoid using open vehicles, such as bicycles, tractors and boats etc.
- Beware of fallen trees and power lines.
- For emergency assistance contact the local disaster management authorities.



Enabling IBF in the SAHF region

- Focus training needed on IBF as earlier training programmers were mostly overview of IBF/introductory
- SAHF training programme on Basic and Mid level IBF should be the foundation to start IBF in the SAHF countries
- Sector engagement plans to be developed and easy access to sector data should be enabled
- Training for co-development
- Improve the accuracy, access and availability of NWP products
- Increase density of observational system network

“Observation, forecast products and socio-economic data including vulnerability and risk information to be collected and collated for building IBF tools and associated service delivery enhancements”



SOUTH ASIA
HYDROMET FORUM

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

