PLANNING WORKSHOP ON Impact-Based Forecasting and Climate Services

21-24 January 2025 | Bangkok, Thailand

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UPDATE ON LAST EC MEETING AND WAY FORWARD

Update from EC meeting and Way forward

Priorities:

- Assessment of capacity of national weather services
- Strengthening the DataEx platform
- Improving access to a range of ECMWF digital datasets
- Common platform for model output analysis
- Interpretation of NWP products
- Availability of Ocean Model products.
- Robust verification using non-NMHS and non-GTS data



Update from EC meeting and Way forward

- Enhancing short-range predictions by utilizing global model products from ECMWF, GFS, IMD resources, and INCOIS
- Enforce WRF implementation at the national level using IMD's 3km WRF fields and local data assimilation.
- Collaboration with the IBF WG for IBF development and services improvement
- Generating actionable information from NWP forecasts related to heatwaves, thunderstorms, lightning, heavy rainfall, and cyclones.
- Formation of WG for Hydrology



Update from EC meeting and Way forward

EC Next step:

- IBF in disaster risk knowledge generation
- Identifying and prioritizing specific sectors in each country
- Consultations with NMHS and user sectors to identify priority sectors
- Integrating new NWP products for enhanced capabilities within SAHF framework
- Generation of high-resolution observational gridded data for object-oriented verification techniques.



Next Way forward

What other application must we prioritize?

Landslide Early Warning System (LEWS)
Lightening Early Warning System
City Early Warning System (CEWS)
Highway Early Warning System (HEWS)
Early Warning for Health Sector

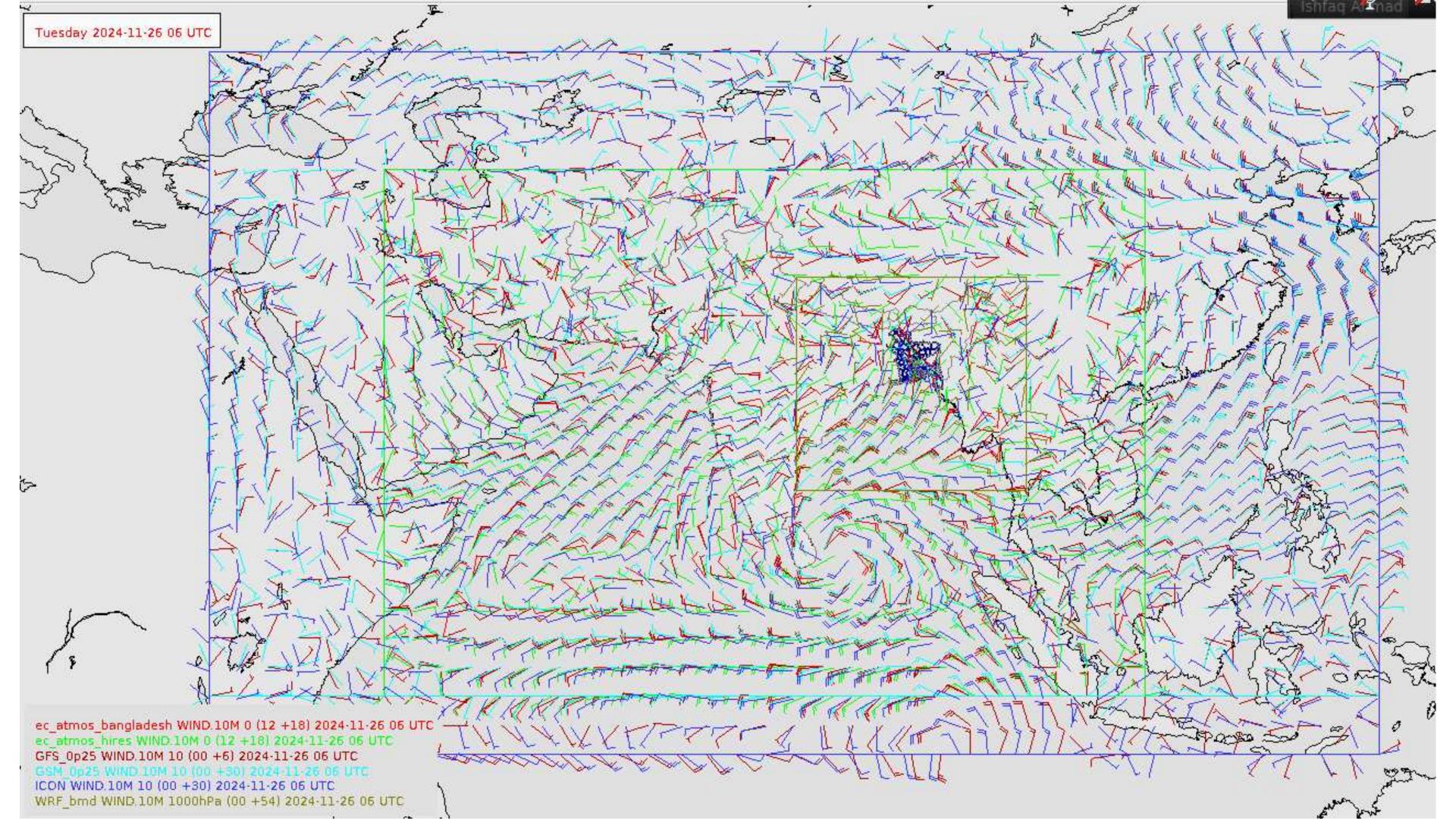


Next Way forward

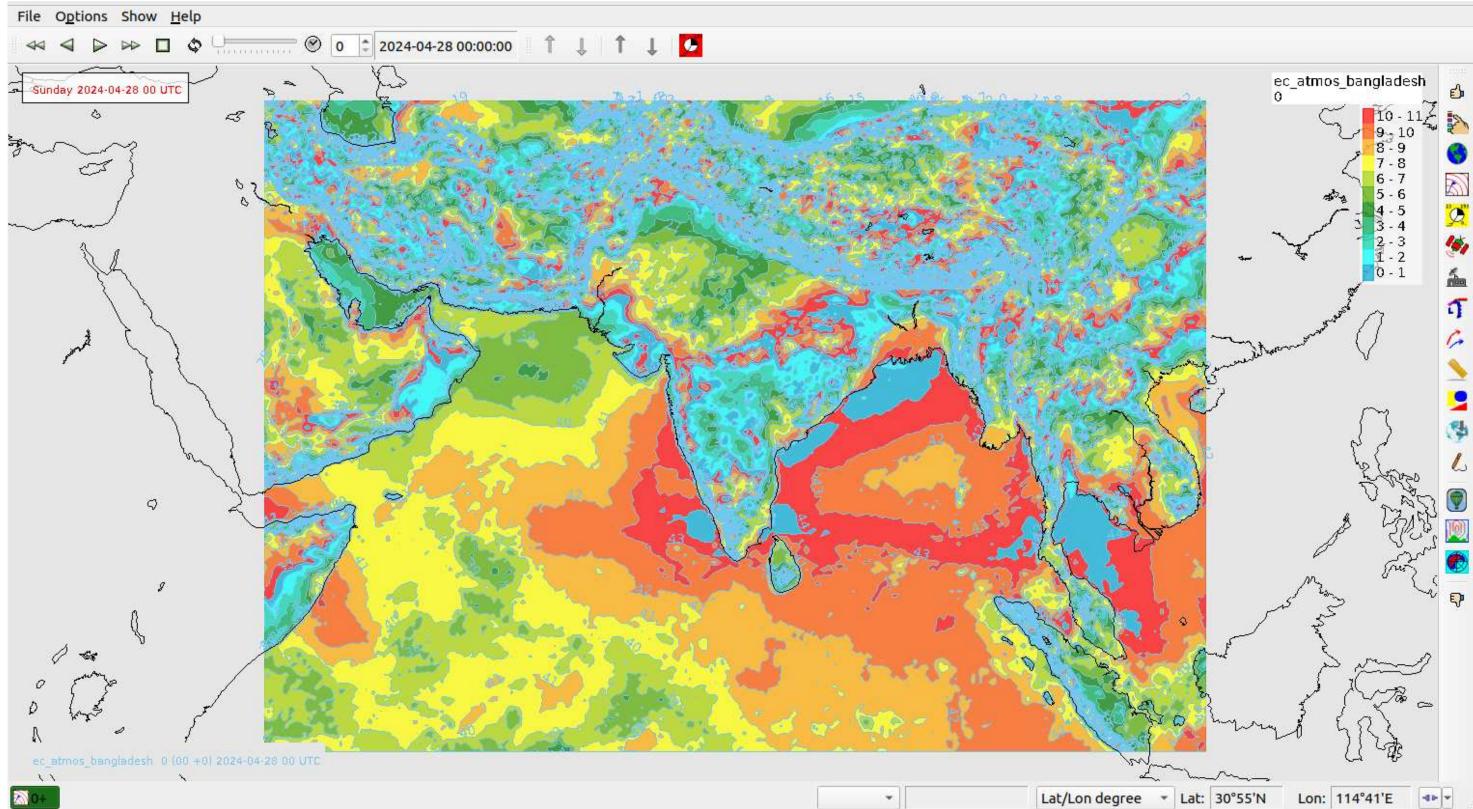
Role of RIMES must built to support those application/EWS for each member country

- Strengthen the SAHF DataEx platform, inclusion of available other NWP data.
- Development of user-oriented decision support systems relevant to national needs and also disaster/sector specific.
- Identify priority sectors, and integrating new NWP products for enhanced capabilities within the SAHF framework.
- Capacity building.
- Sharing the best practices.

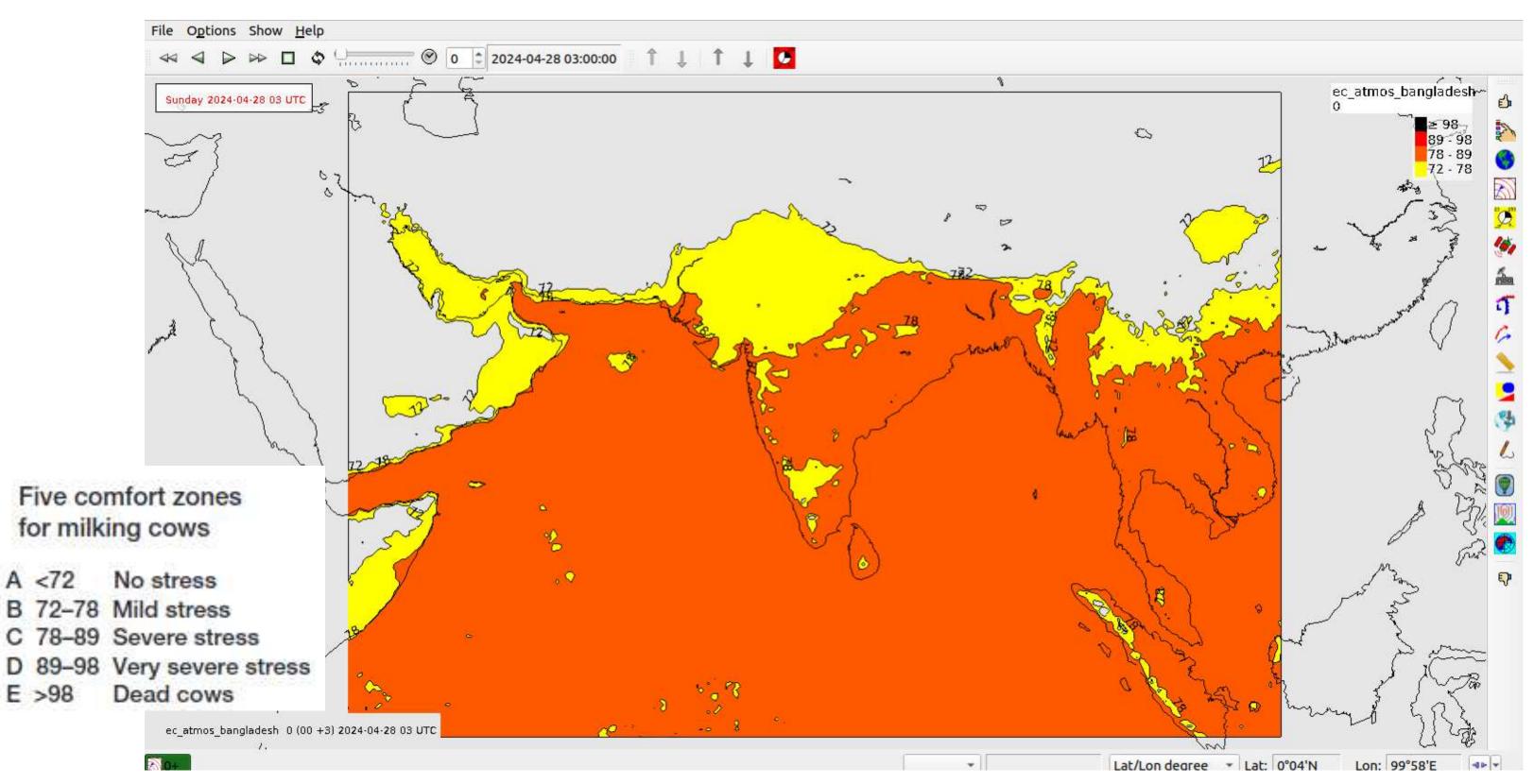




Humidex (Smoyer)



Temperature Humidity Index (THI)





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