PLANNING WORKSHOP ON

# Impact-Based Forecasting and Climate Services

21–24 January 2025 | Bangkok, Thailand

## Capacity Enhancement WG Priorities and Plans

Monju Subba

WISER Weather and Climate Information Services

UK International Development Partnership | Progress | Prosperity

Met Office

THE WORLD BANK IBRD • IDA | WORLD BANK GROUP

CARE | SOUTH ASIA

RIMES

# UPDATE ON LAST EC MEETING AND WAY FORWARD

# Priorities

## 1. Specialised training needs

Objective:

- Specialized training ensures targeted expertise, enhances regional resilience, and strategically prioritizing resources, fostering a well-rounded and adaptive hydrometeorological community ready to address specific challenges.

## 1. IBF workshops

Objective:

- Introduce Impact-Based Forecasting (IBF) through targeted workshops in each member country.
- Increasing awareness and understanding of IBF is crucial for its effective implementation across various sectors.

## 1. Integration of AI and machine learning in Training Programs

Objective:

- Aligning training programs with technological advancements ensures that professionals are well-prepared for evolving forecasting needs.

# Priorities

## 4. Collaboration with regional partners

Objective:

- Maximizing resources and expertise through collaboration with regional partners.
- Leveraging the strengths of collaborative efforts to enhance the overall capacity of the region.

## 5. Radar and Satellite meteorology

Objective:

- These areas are critical for advanced weather forecasting and monitoring, addressing specific challenges within the SAHF region.

## 6. Specialized alerts for Ocean state forecasting

Objective:

- Providing targeted alerts enhances preparedness for coastal areas, addressing critical needs in the SAHF region.

# Priorities

## 7. INCOIS Training for Coastal nations

Objective:

- Organize  training sessions by the INCOIS specifically for coastal countries in SA is targeted approach to address the unique needs of regions with coastal vulnerabilities.
- ***Strategic Focus****:* Coastal areas face distinct meteorological challenges, including ocean state forecasting and marine meteorology. INCOIS, with its expertise, can provide tailored training to enhance the capabilities of meteorological professionals in these countries.
- ***Practical Application****:* The emphasis on specific needs and the modality of training: online or on-site.

## Key Priorities

1. Specialised training needs : Mountain Meteorology and Marine Meteorology
2. IBF workshops
3. Integration of AI and machine learning in Training Programs
4. Collaboration with regional partners
5. Radar and Satellite meteorology
6. Specific on specialized alerts for Ocean state forecasting
7. INCOIS Training for Coastal nations

## Way forward:

1. Prioritizing IBF in disaster risk knowledge generation
2. Identifying and prioritizing specific sectors in each country
3. Consultations with NMHS and user sectors to identify priority sectors
4. Integrating new NWP products for enhanced capabilities within SAHF framework

Questions/Discussions