


Sustaining Development Initiatives at Climate Resilience in South Asia

25 February 2025 | Bangkok, Thailand

CARE High-level Workshop

Application of Climate Information and Sustainability of Development Initiatives





Capitalizing on CARE /RIMES Regional Resilience Data and Analytics Services (RDAS) to support intergovernmental dialogues and agreements

**ESCAP Flagship publications, knowledge products and
services**

ESCAP-RIMES CARE Partnership

G20 India Presidency – Working Group on Disaster Risk Reduction

PRIORITY

- 1. Global Coverage of early Warning Systems for all Hydro-meteorological Disasters**
2. Increased Commitment towards making infrastructure systems disaster and climate resilient
3. Stronger national Financial Frameworks for Disaster Risk Reduction
4. Strengthened national and Global Disaster Response System to address the Consequences of increasing frequency and intensity of disasters

KEY OUTCOMES AND DELIVERABLES

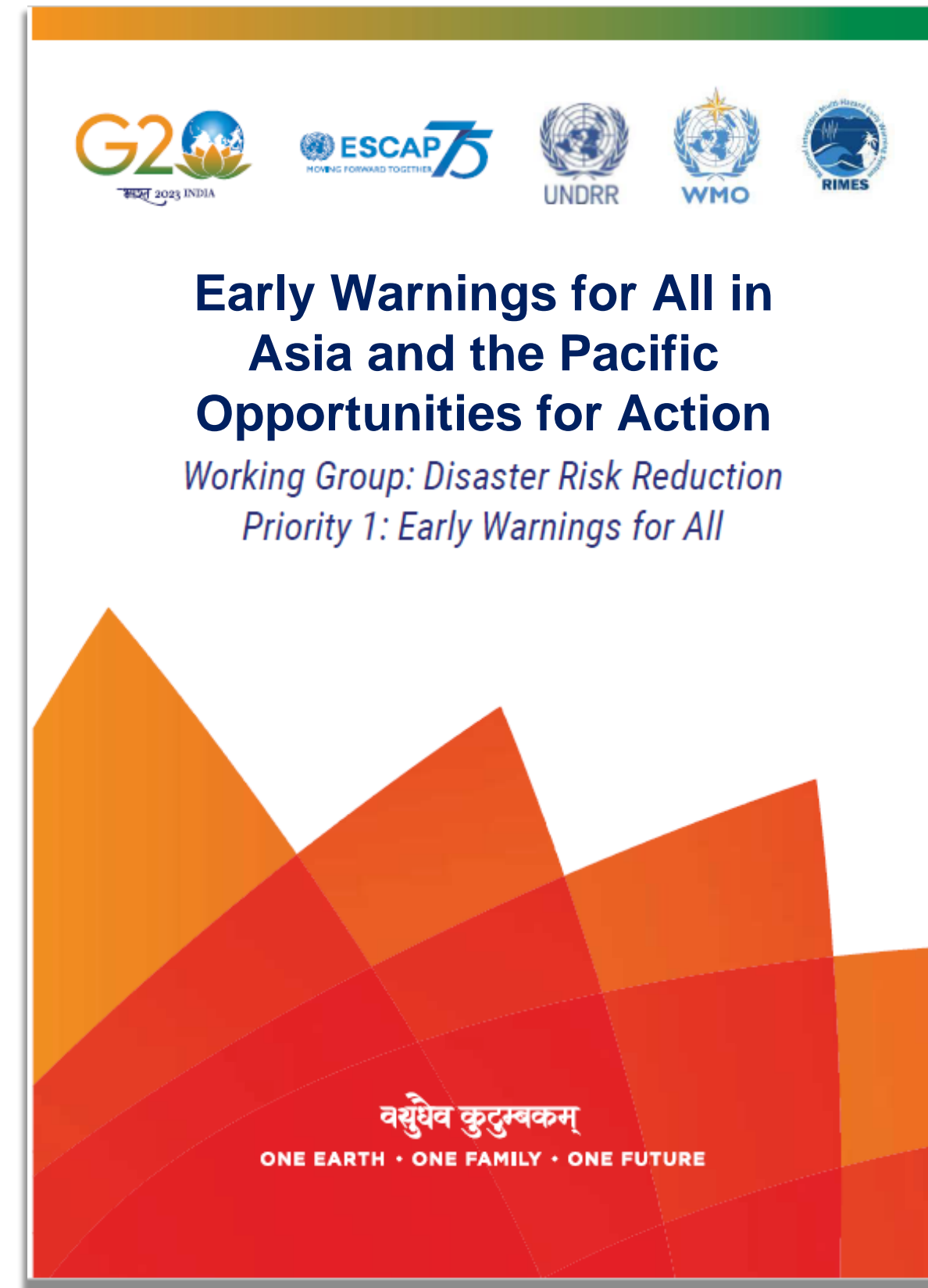
1. Evolve a coordinated framework for deeper engagements among G20 countries to promote Early Warning Systems in member countries, LDCs and SIDS.
2. Evolve Common Principles on facilitating early action financing, to gain greater access to financing for reducing disaster risks at sub-national levels, and to promote early action at the local, subnational, and national levels.
3. Compendium of innovative technological solutions to address disaster risk and recovery.



ESCAP-RIMES CARE Partnership



Launching at Working Group Meeting I, Side event – 30 March 2023



To inform WG discussions, to be published following Summit in September

Asia Pacific Disaster Report for ESCAP Subregions 2024 – South and South-West Asia

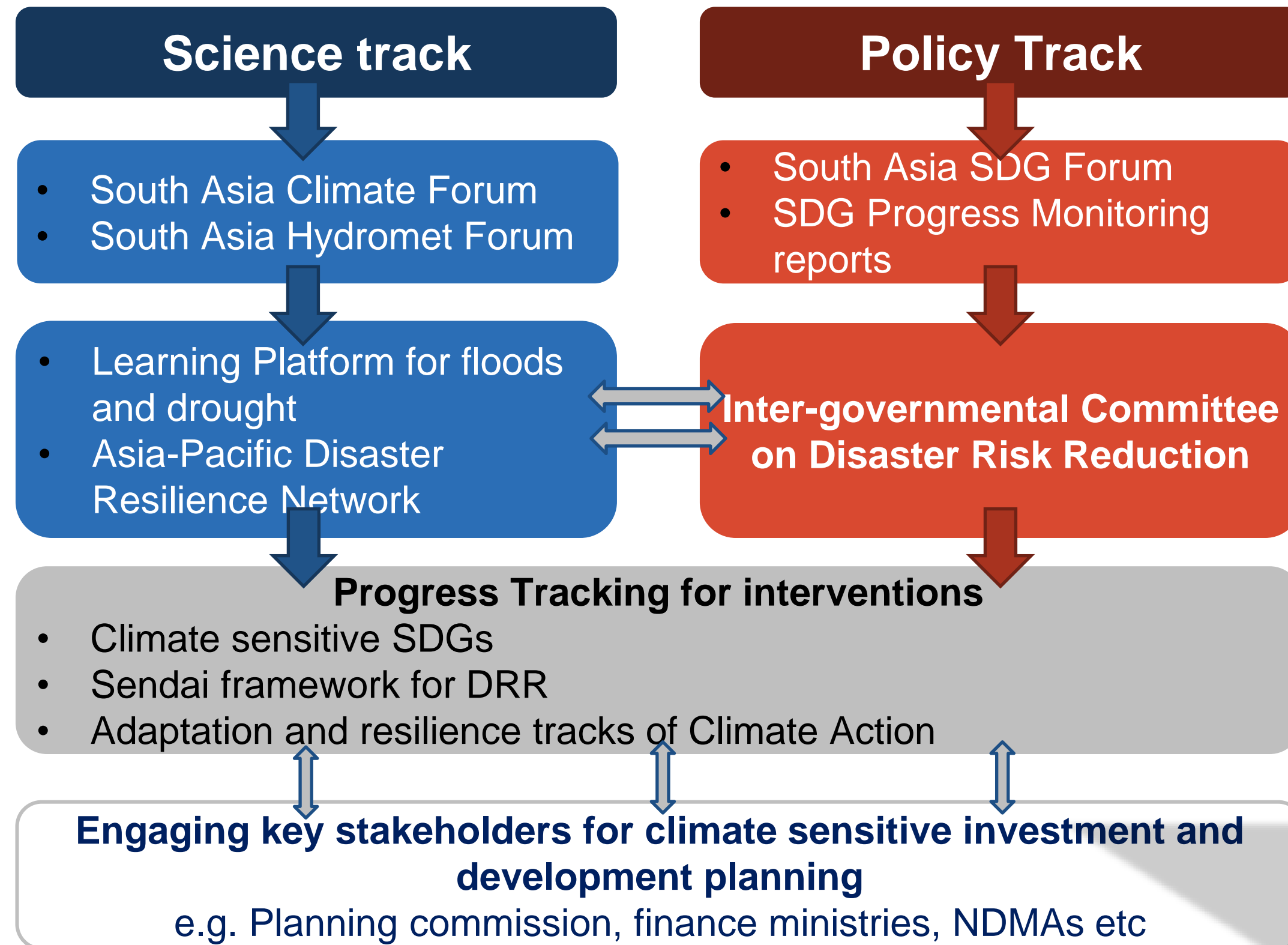
- **Climate Hazards:** The region faces intensifying climate hazards such as droughts, floods, heatwaves, and surface winds, impacting millions of lives, economies, and ecosystems.
- **Vulnerable Areas:** The Ganges-Brahmaputra-Meghna basin, Indus basin, and parts of Türkiye, Bhutan, and Nepal are identified as hotspots for intensifying multi-hazard risks.
- **Biodiversity Threats:** Critical mangrove ecosystems face increasing pressure, further jeopardizing regional resilience.



**TARGETING TRANSFORMATIVE
DISASTER RISK RESILIENCE IN
SOUTH AND SOUTH-WEST ASIA**

**Asia-Pacific Disaster Report 2024
for ESCAP Subregions**

Regional learning platform for addressing shared vulnerabilities and risks of floods and drought in **South Asia**: Twin track approaches





Capitalizing on CARE /RIMES Regional Resilience Data and Analytics Services (RDAS) to Capacity Development

Monsoon Forums and Early Warnings for All

ESCAP's Mandate to support EW4All

❑ Regional Strategy on Early Warnings for All

**Early
Warnings
for All**



**ESCAP Multi-Donor Trust Fund
for Tsunami, Disaster and Climate
Preparedness**

1

Develop early warning systems for all at the regional level

ESCAP Resolution 79/1: Accelerating climate action for sustainable development (May 2023)

2

Further develop and implement a regional strategy in support of the global and country-level implementation of the four pillars of multi-hazard early warning systems

ESCAP Committee on Disaster Risk Reduction (July 25-27, 2023)

3

Build national capacities by leveraging innovations, including digital and geospatial applications for early warning systems

ESCAP Committee on Disaster Risk Reduction (July 25-27, 2023)

4

20th Anniversary of Indian Ocean Tsunami and contributions to ESCAP

Trust fund to achieve early warnings for all

ESCAP Committee on Disaster Risk Reduction (July 25-27, 2023)

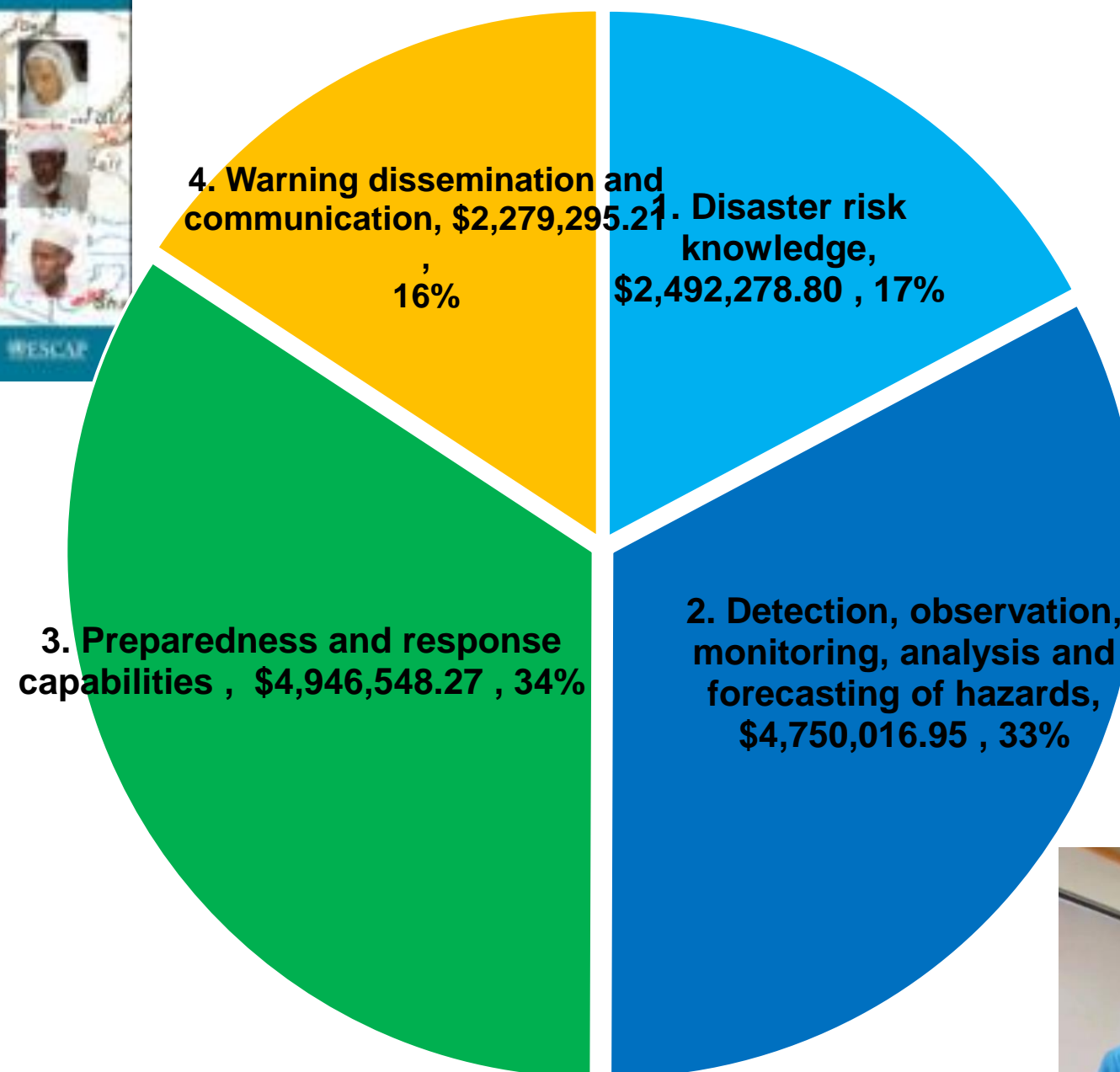
ESCAP Multi-donor Trust Fund: 18 years of support to Early Warning Systems – RIMES Monsoon Forum



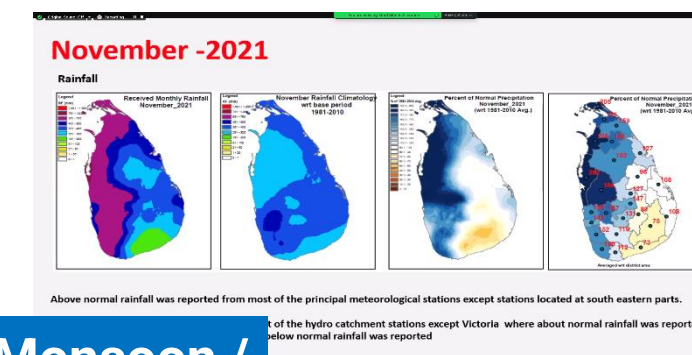
e.g. Broadcasting and media support for early warning



e.g. 'Last Mile' government, community and stakeholder SOPs



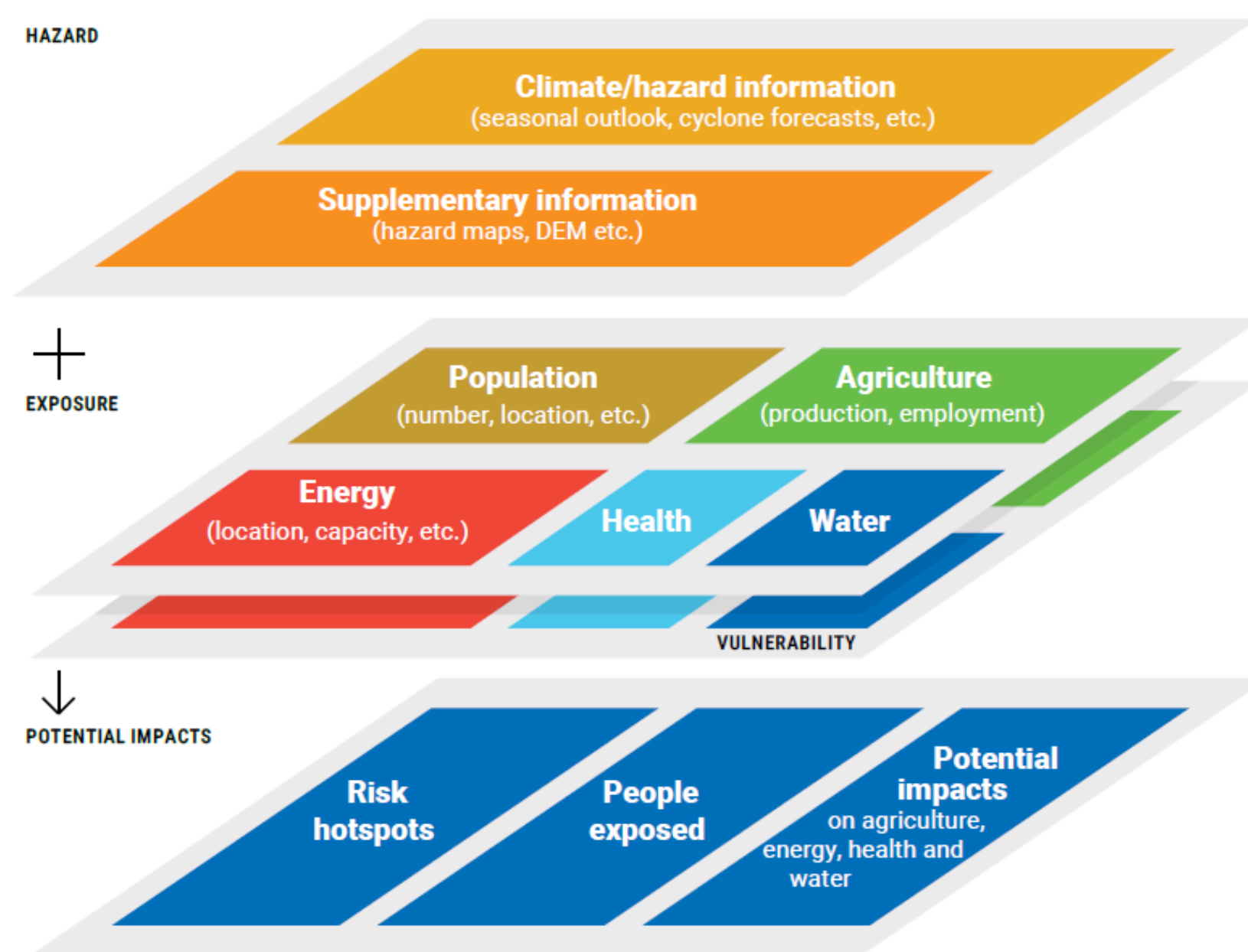
e.g. Probabilistic Tsunami Hazard Assessment for the Northwest Indian Ocean



National Monsoon / Climate Outlook Forums



ESCAP's Impact Based Forecasting (IBF) approach follows the WMO Global Framework for Climate Services.



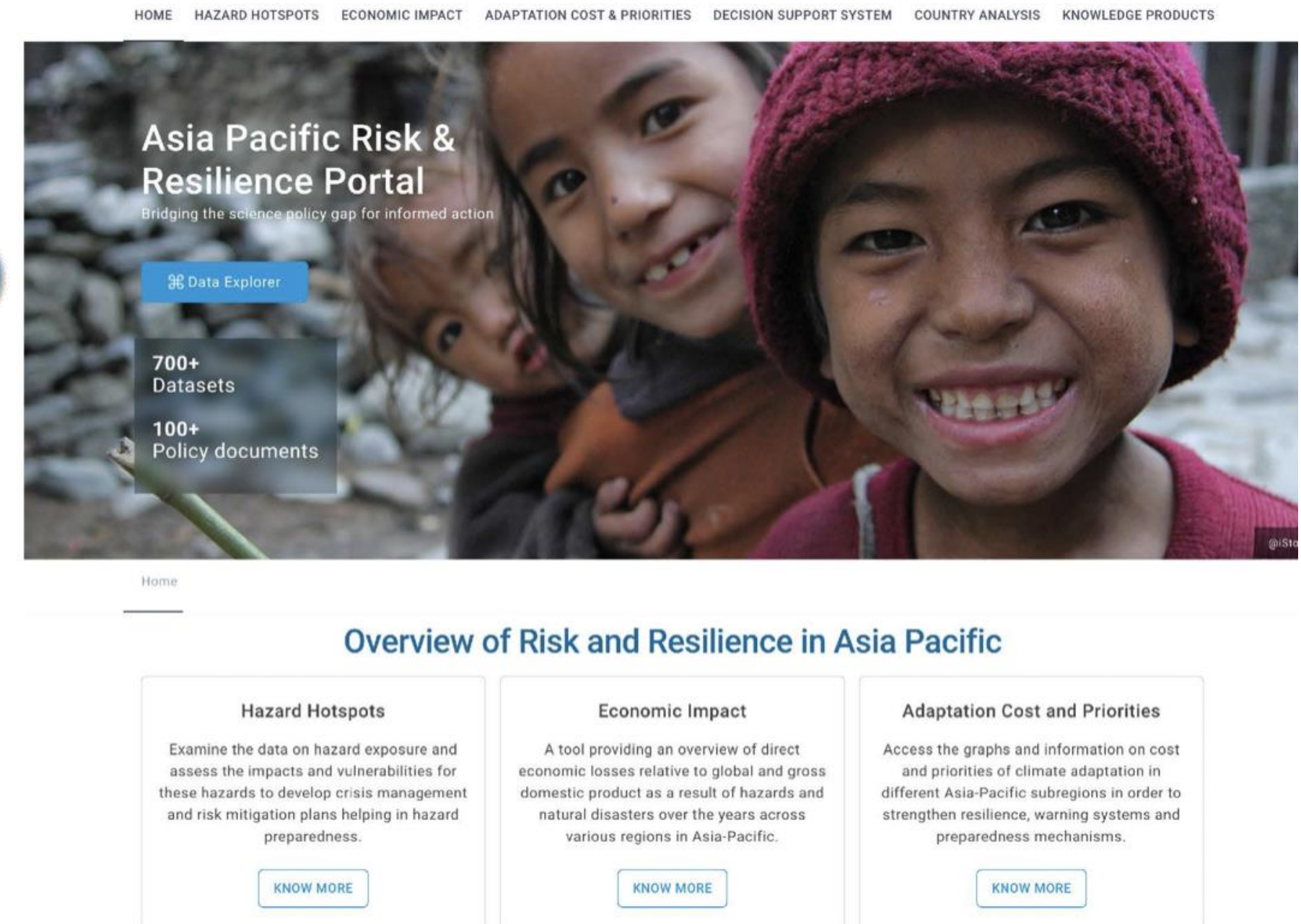
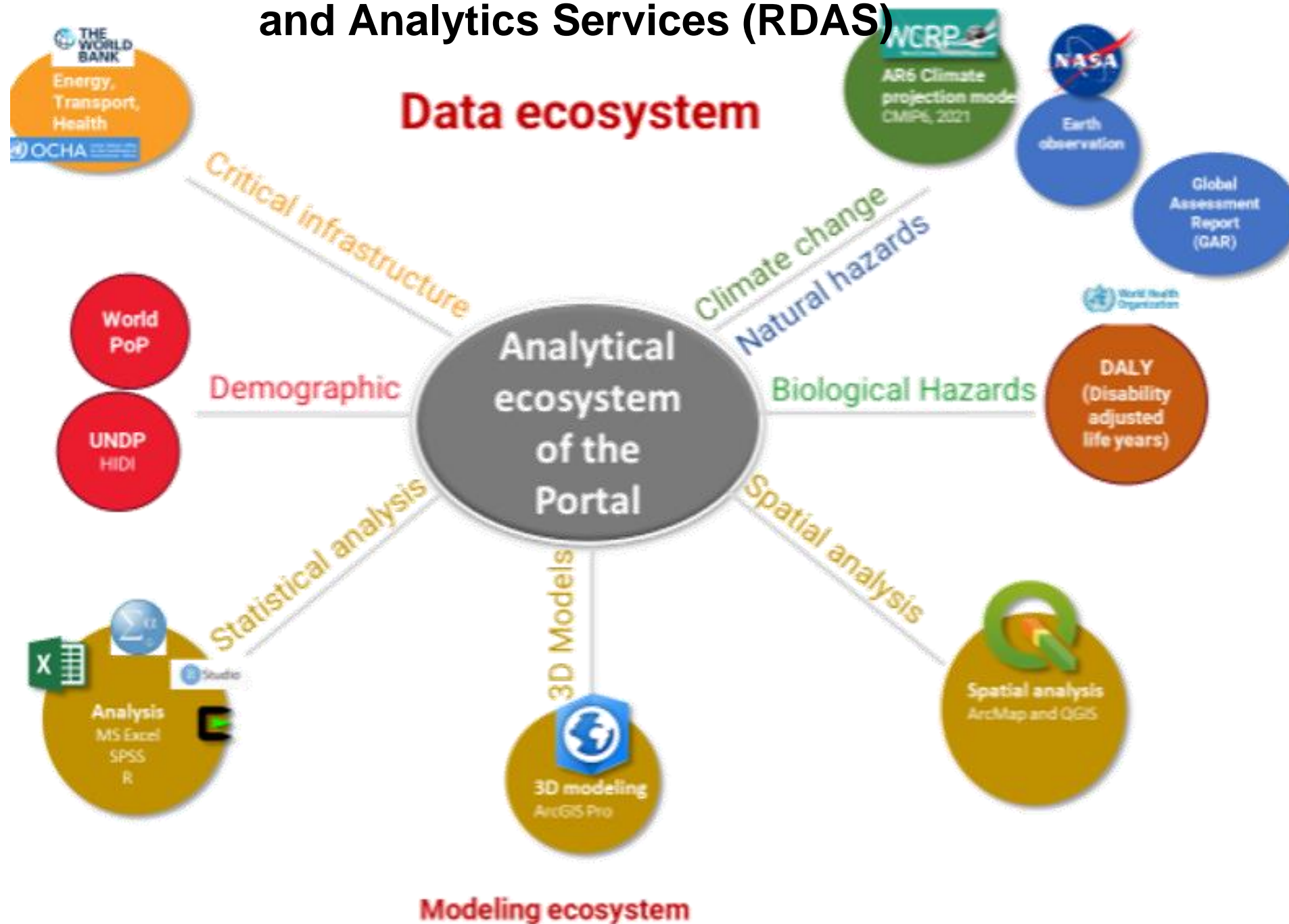
Build on Regional Resilience Data and Analytics Services (RDAS)

- **IBF based on seasonal forecast products** - Concept and cases were presented to SASCOF, EASCOF, ASEANCOF and FOCRAII.
- **IBF based on observed and forecast tracks of tropical cyclones (quadrant wind)** - Concept and a case were presented to and discussed at TC and PTC.

Putting data and technology ecosystems together to protect @ risk people

ONE data ecosystem analyzing multiple datasets

Build on Regional Resilience Data and Analytics Services (RDAS)

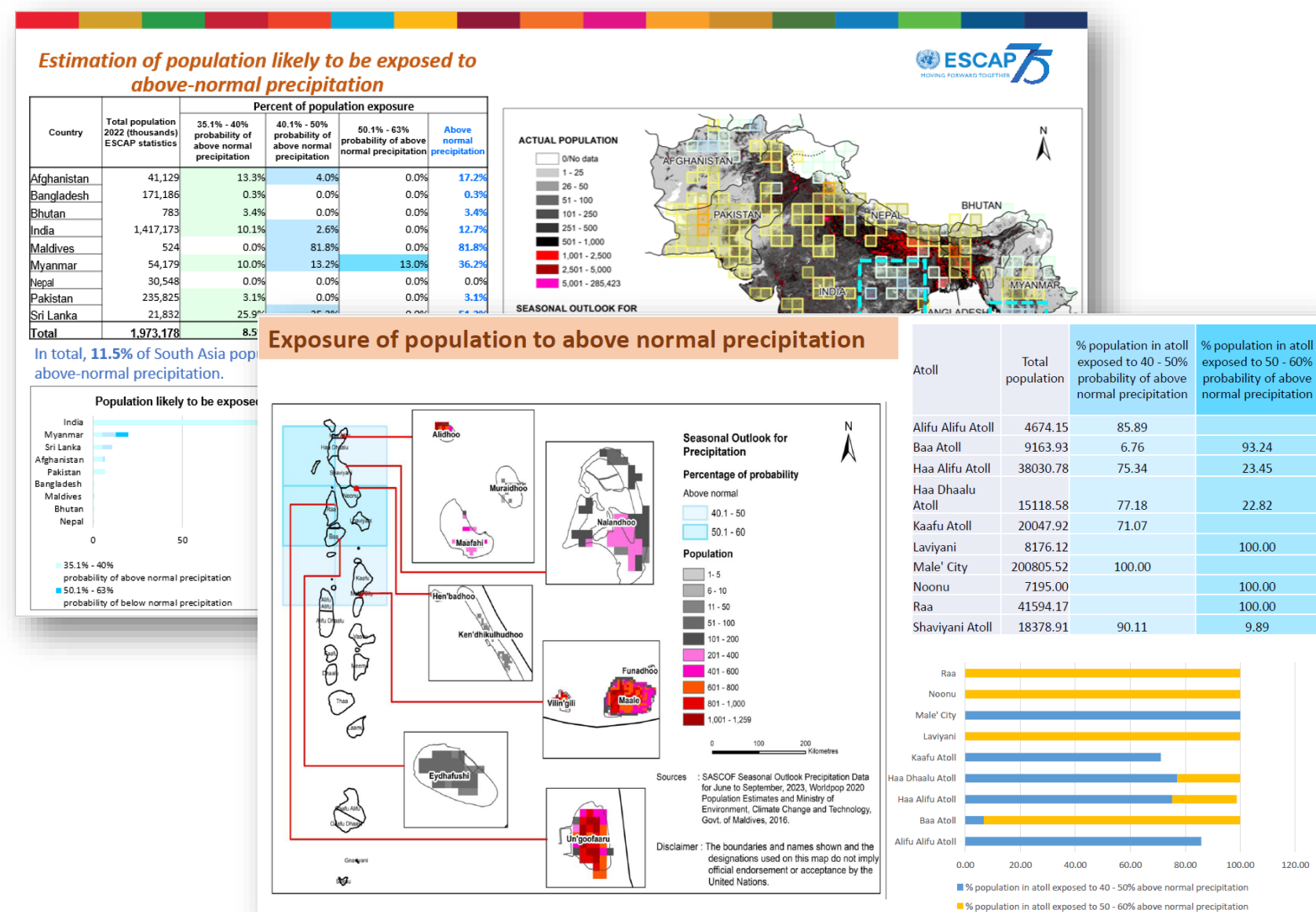


The Portal is built on a state-of-the-art data intensive and risk analytics

South Asia Climate Outlook Forum (SASCOF), ESCAP IBF since 2019

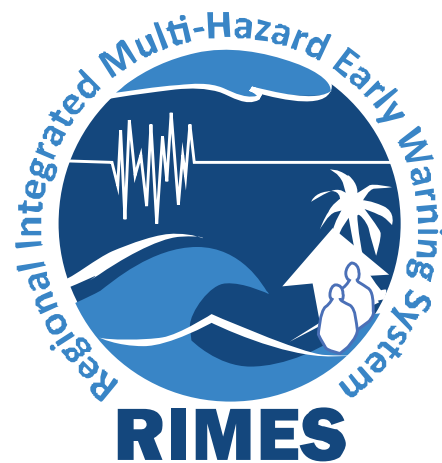
- During **SASCOF-25** in **March 2023**, ESCAP presented the Impact-Based Forecasting for the Seasonal Outlook JJAS 2023.
- For the first time, an in-depth subnational IBF analysis was also provided for the Maldives' case study.

- During **SASCOF-26** in **October 2023**, ESCAP presented the Impact-Based Forecasting for the Seasonal Outlook OND 2023.
- The automation tool was introduced.

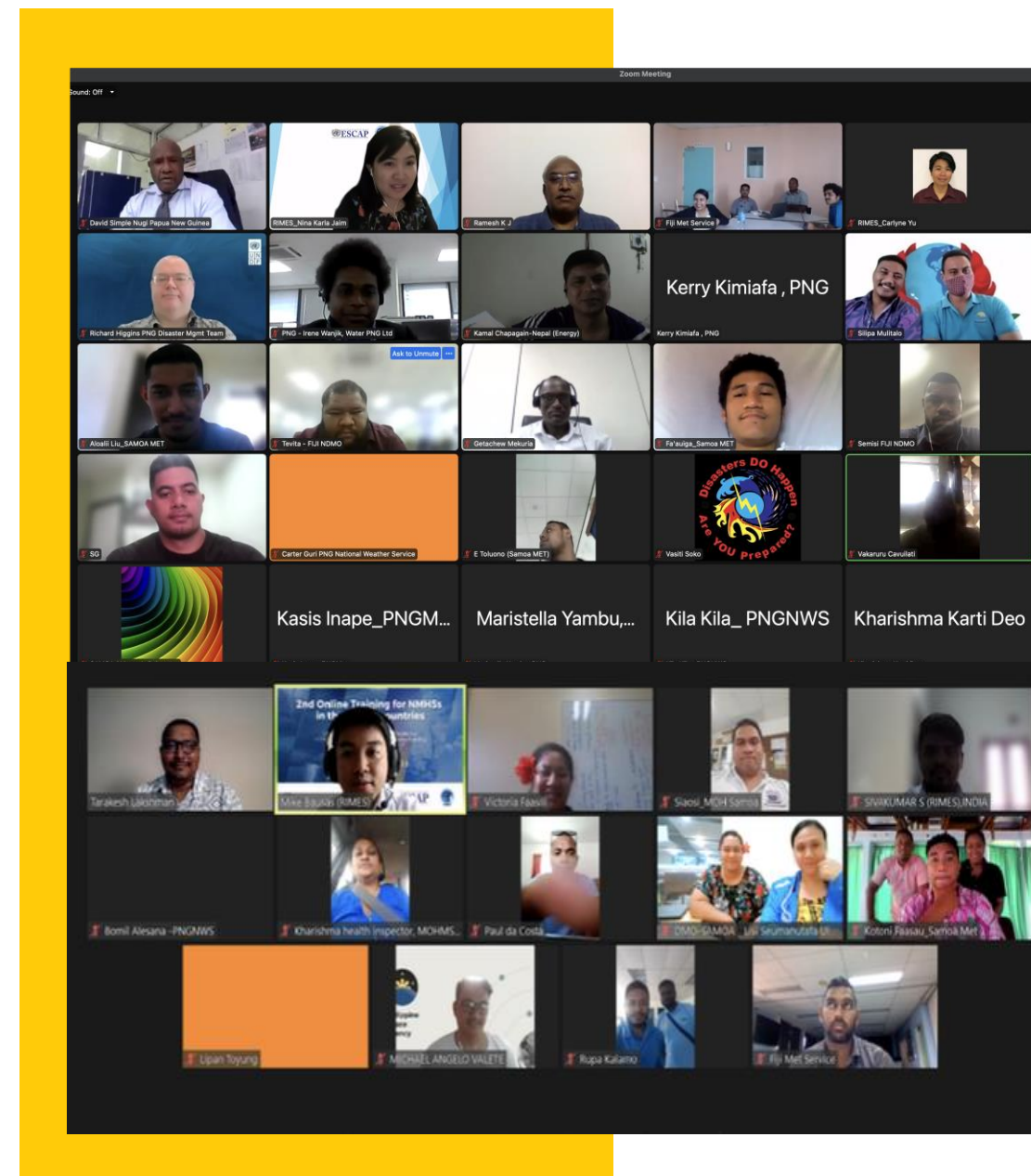


Collaboration with RIMES to advance IBF at national level

Through support from the ESCAP Trust Fund for Tsunami, Disaster and Climate Preparedness, ESCAP and RIMES have been partnering to 'Enhance Weather and Climate Resilience in RIMES Member States through Capacity Building on Impact Forecasting', leading to the development of an online learning platform for IBF



The meteorology and climatology field is constantly growing and improving. So, as forecasters we also need to keep updating our knowledge and skills. The trainings have been very useful.



Weather and Climate

Weather and climate drivers

NMHS and Sector Discussion

NMHS products and services and sectoral applications

Impact Forecasting

Concepts, methodological framework and approach, and ICT tools

Developing IBF System

Sector-specific impact forecasting system/service

Communicating IBF

Communication, Dissemination & Verification of IBF and warnings

Sanjay Srivastava

Chief, Disaster Risk Reduction



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