Early Warnings for All in Asia-Pacific: Transboundary Context

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Regional Expert Group Meeting on Advancing Disaster Resilience: Harnessing Data, Technology, and Policy for a Safer Tomorrow
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Dushanbe, Republic of Tajikistan

António Guterres (UN Secretary-General) at the event "Delivering Early Warnings for All" | COP28, UN Climate Change Conference

"..In a world defined by escalating climate injustices, early warning systems are the most basic tool for saving lives and securing livelihoods.."

ESCAP's Mandate to support EW4All

❑ **Regional Strategy on Early Warnings for All**

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**

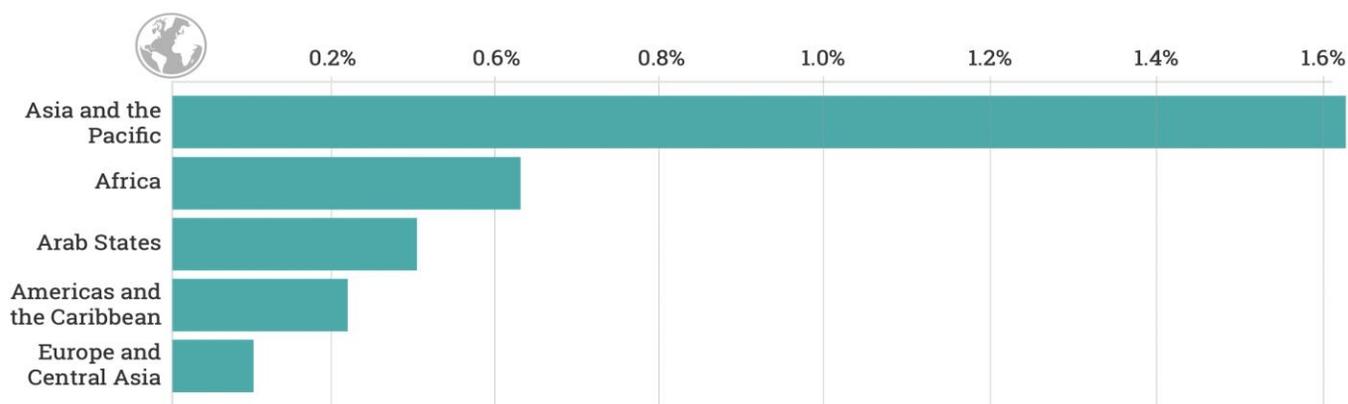ESCAP Committee on Disaster Risk Reduction (July 25-27, 2023)

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 for Tsunami, Disaster and Climate Preparedness
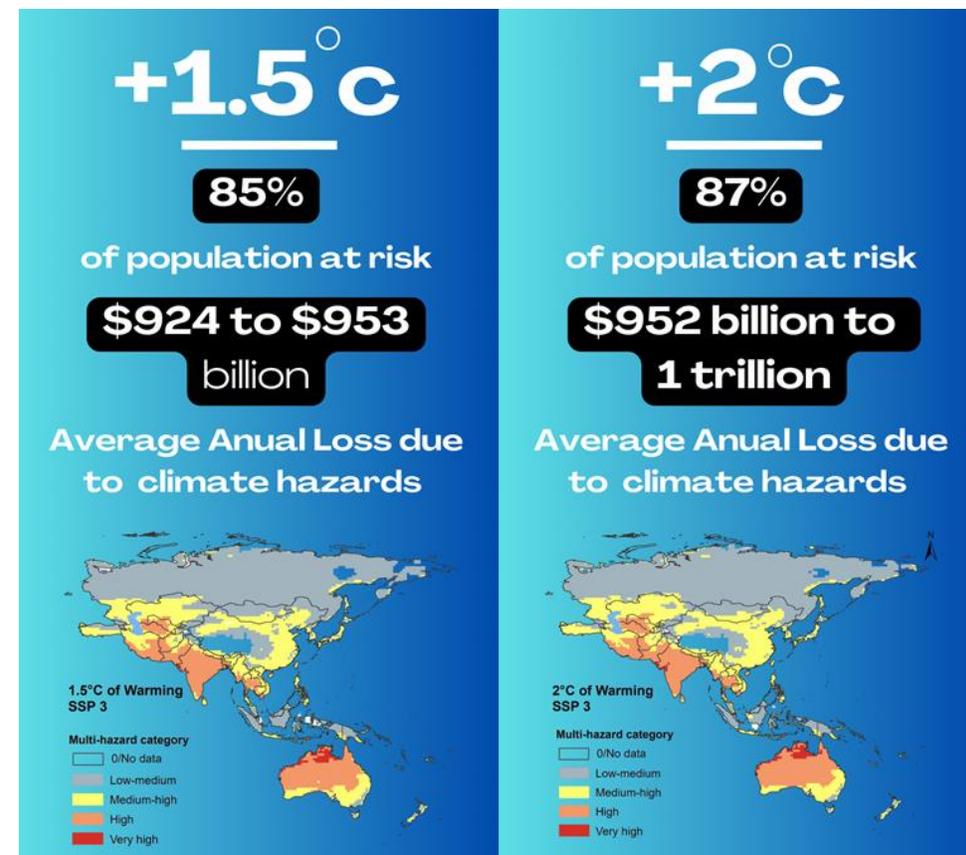
Why EW4All is so critical in Asia - Pacific?

- Asia-Pacific remains the most disaster impacted region. Since 1970, two million people have lost their lives, equivalent to 105 lives being lost to disasters every day.
- The LDCs/SIDS accounts for mortality five times as compared to the rest of the Asia-Pacific
- The cost of inaction is on the rise, regression on SDG 13, Sendai targets off the tracks

The highest share of economic loss by region is borne within Asia-Pacific, where countries lose on average 1.6% of GDP to disasters
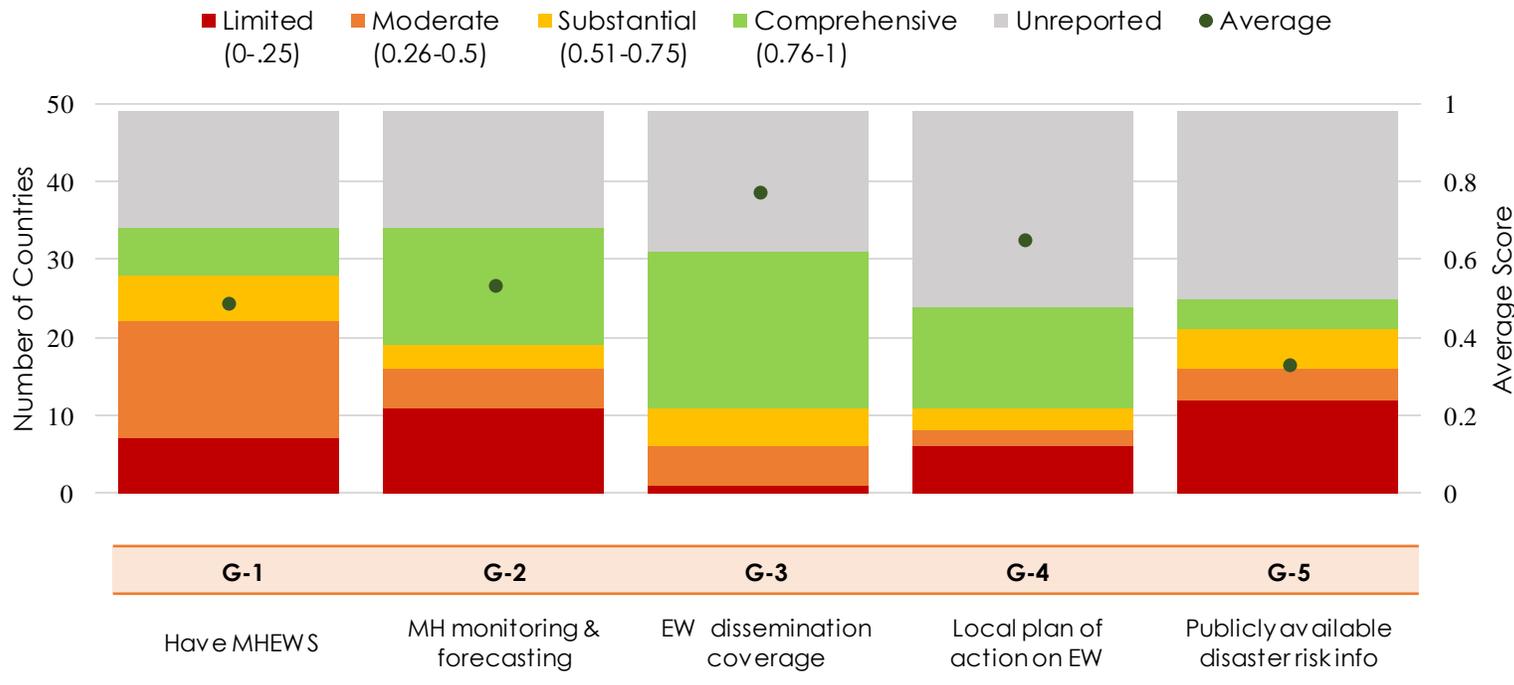**Source: GAR 2021**

A [Riskscape@1.5](#) and 2.0 warming: Intensifying and emerging hotspots

..Also, Early warnings capacity gaps are critical in high risk developing countries, LDCs, SIDS

Multi-hazard early warning capacity

Sendai Framework Target G - Asia and the Pacific

Legend: Limited (0-.25), Moderate (0.26-0.5), Substantial (0.51-0.75), Comprehensive (0.76-1), Unreported, Average

Categories:
- G-1: Have MHEWS
- G-2: MH monitoring & forecasting
- G-3: EW dissemination coverage
- G-4: Local plan of action on EW
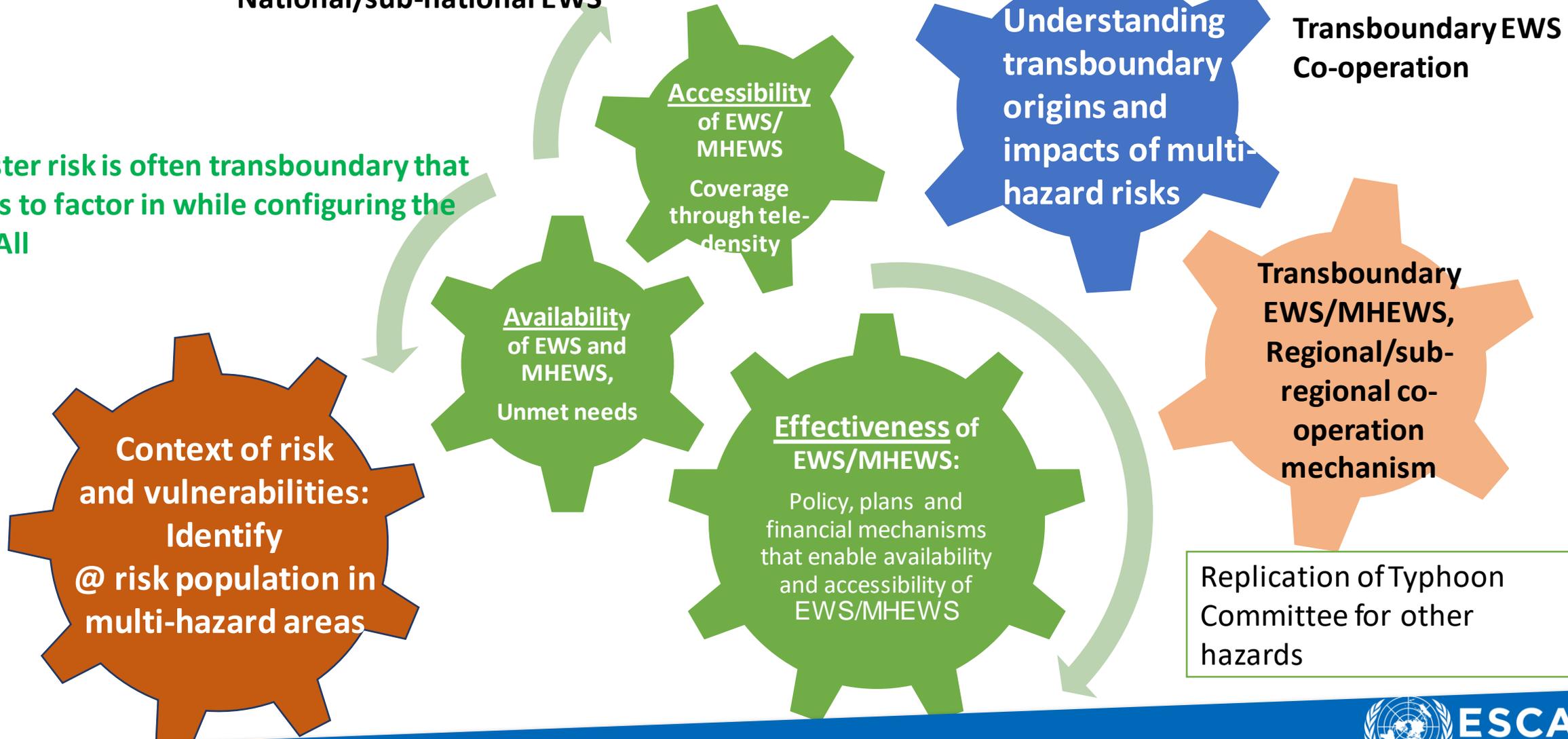- G-5: Publicly available disaster risk info

Access # 25% countries to multi-hazard early warning systems; 20 to 'actionable' risk information

- A comprehensive risk management approach to ensure resilient food and energy systems

A regional strategy for seamless integration of national and transboundary EWS

National/sub-national EWS

Transboundary EWS Co-operation

Disaster risk is often transboundary that needs to factor in while configuring the EW4All

Accessibility of EWS/MHEWS

Coverage through tele-density

Understanding transboundary origins and impacts of multi-hazard risks

Availability of EWS and MHEWS, Unmet needs

Context of risk and vulnerabilities: Identify @ risk population in multi-hazard areas

Effectiveness of EWS/MHEWS: Policy, plans and financial mechanisms that enable availability and accessibility of EWS/MHEWS

Transboundary EWS/MHEWS, Regional/sub-regional co-operation mechanism

Replication of Typhoon Committee for other hazards

EW4All Pillar 2: #6 Strategic actions

Cambodia and Lao PDR

1 **Joint programming**
WMO/RIMES – ESCAP Pillar 2

CREW: IBF, Monsoon forums, TC/SSOP 3

Bangladesh, Nepal and Maldives

2 **Collaborate with NHMS, RCC, RIMES and RSMC**
Pillar 2 – IBF, Monsoon forum, PTC/SSOP 3

Tajikistan

3 **Collaborate with NHMS, NEACC**
Focus on Slow onset disasters, Pillar 2: IBG, NEACOF

Scaling up IBF to support early actions

4 **Capitalize on RCOFs SASCOF, FOCRII, ASEANCOF, NEACOF, PICOF, EASCOF, Third Pole CF..**

Scaling up IBF –tropical cyclones/typhoons

5 **Collaborate with Typhoon Committee, Panel on Tropical Cyclone, Tropical Cyclone Committee**

IBF: El Nino/La Nina, Monsoon outlook

6 **Development of risk analytics, models and scenarios**

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