

UNEP Climate Services and Early Warning Systems Portfolio

Bo Ra Kim
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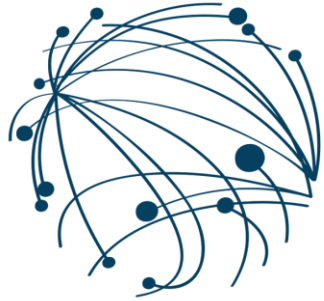
Delivering on the UN Early Warnings for All Initiative

“Early warnings and action save lives. To that end, today I announce the United Nations will spearhead new action to ensure every person on Earth is protected by early warning systems within five years.”

António Guterres
Secretary-General of the United Nations

23 March 2022





SOFF

Systematic Observations
Financing Facility

A new finance mechanism to close
critical weather and climate data gaps
that undermine all adaptation efforts

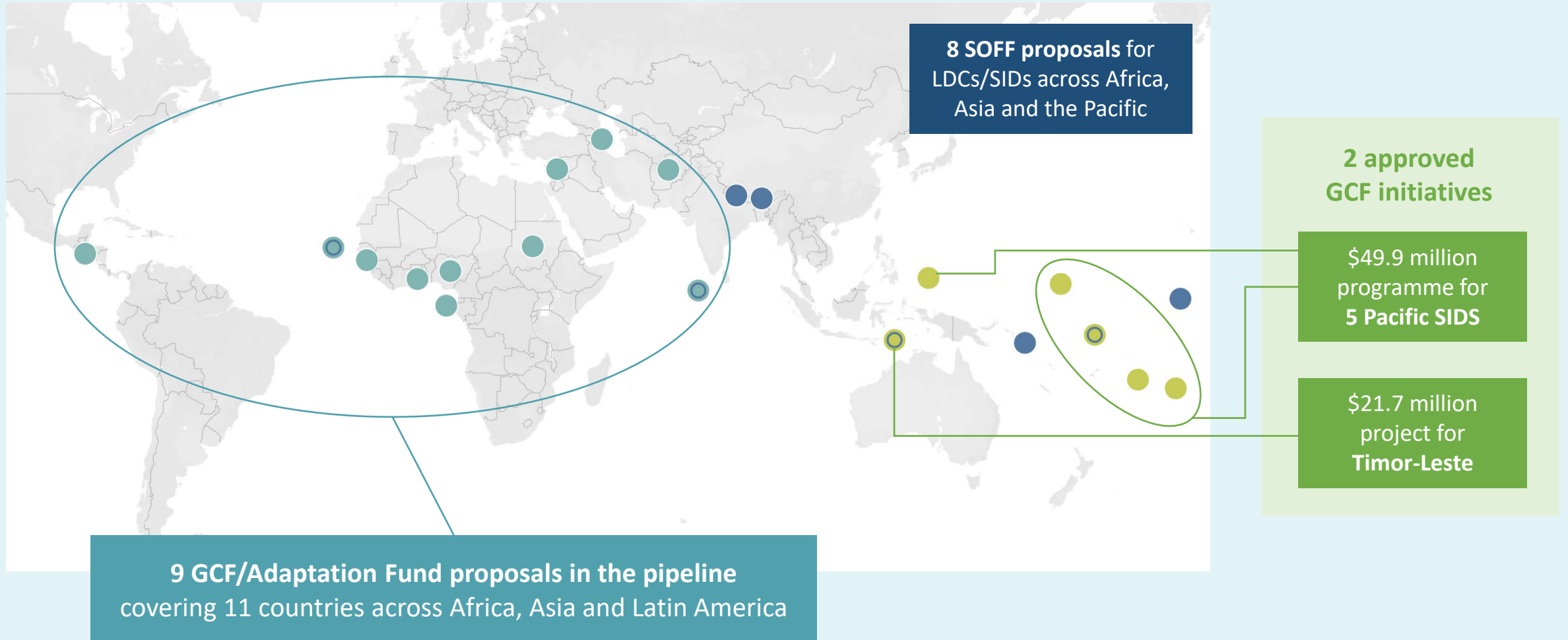
SOFF is a key building block in achieving the UNSG 5-year target for EWS

Key facts & figures

- Established at COP26 by **WMO, UNDP & UNEP**
- Mobilized ~ **50 million USD** in **2022**
- Targets to support **55 countries** by **2025**

UNEP Climate Services / Early Warning Systems Portfolio

Establishing, upscaling and strengthening **integrated climate information services** and **people-centred Multi-Hazard Early Warning Systems** for resilience and adaptive capacity



Integrated Approach to Climate Services and Early Warning Systems

- National Framework for Climate Services
- Climate Outlook Forums
- Inter-institutional coordination and sector mainstreaming
- Sustainable financial strategy and business model
- Data management and sharing

**Sustainable
delivery model
for climate
services and
MHEWS**

- Essential surface-based observations (GBON compliant)
- Remote sensing
- Internet of Things
- Vulnerability data collection, risk profiling and hazard mapping
- Impact-based forecasting
- Sector-specific analytics

**Enhanced
observations,
monitoring,
modelling and
prediction**

- Preparedness and response capabilities
- Public awareness and education
- Community-based disaster risk management
- Forecast-based Financing / Early Warning Early Action

**Strengthened
climate risk
management
capacity**

- Impact-based, people-centred MHEWS
- Coordinated and integrated communication protocols
- Communication systems to reach the last mile
- Emphasis on a social inclusion and gender responsiveness

**Improved
dissemination and
communication to
the last mile**

Enhancing Climate Information and Knowledge Services for Resilience in 5 island countries of the Pacific Ocean

Objective: Establish **integrated climate and ocean information services** and **multi-hazard early warning systems (MHEWS)** in Cook Islands, Niue, Palau, Marshall Islands and Tuvalu, and enhance **regional knowledge management and cooperation** for climate services and MHEWS

Expected impact:

- **At least 80 percent** of the populations of the five countries as **direct beneficiaries**
- **15-30 percent reduction in economic loss and damage** incurred due to climate-related hazards
- Direct contribution to selected targets and indicators of the **Paris Agreement, SDG 13 on Climate Action, Sendai Framework, SAMOA Pathway** and the **UN Global Early Warning Initiative**



Enhancing Early Warning Systems to build greater resilience to hydro-meteorological hazards in Timor-Leste

Objective: Establish **end-to-end climate information services** and **MHEWS**, building capacity to **deliver robust climate data and information** at all stages of the climate services value chain

Expected impact:

- **At least 80 percent** of the population of Timor-Leste as **direct beneficiaries**
- Direct contribution to selected targets and indicators of the **Paris Agreement**, **SDG 13 on Climate Action**, **SDG 3 on Good Health and Well-Being**, **Sendai Framework**, **SAMOA Pathway** and the **UN Global Early Warning Initiative**



SAMOA
Pathway



Thank you



Bo Ra Kim
Programme Management Officer
bora.kim@un.org

United Nations Avenue, Gigiri
PO Box 30552 – 00100 GPO Nairobi, Kenya

www.unep.org