

*Building Resilience to High-Impact Hydro-meteorological Events through
Strengthening Multi-Hazard Early Warning Systems in Small Island Developing
States and Southeast Asia project*

***Session 2: Current WMO capacity development activities in
Southeast Asia and value-adding to third-party activities***

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1st Meeting of the Southeast Asia Project Steering Committee (SEA-PSC-1)

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World Meteorological Organization

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Framing WMO activities in Southeast Asia

WMO SP & OP 2016-2019 → RAs II & V OP 2016-2019:

- **Disaster Risk Reduction (DRR) → DRR Roadmap 2015-2030**
 - **Global Framework for Climate Services (GFCS) → Implementation Plan & its Operational Plan 2016-2018 → Framework & mechanism for WMO contributions to the GFCS (EC-68)**
 - **Plans for other WMO priorities, programmes and activities (e.g. Service Delivery)**
- implementation largely through **extra-budgetary resources**
(bilateral & multi-donor Trust Funds)

Related coordinated regional & global frameworks (selection):

- **AADMER (ASEAN), Asia Regional Plan for Implementation of the Sendai Framework**
- **RIMES Master Plan**
- **S.A.M.O.A. Pathway, Sendai Framework for DRR 2015-2030, SDGs, Paris Agreement**



Overview

On-going:

- Implementing the Global Framework for Climate Services (GFCS) at Regional and National Scales → **Donor: Environment & Climate Change Canada (ECCC)**
- Building Resilience to High-Impact Hydro-meteorological Events through Strengthening Multi-Hazard Early Warning Systems (MHEWSs) in Small Island Developing States (SIDS) and Southeast Asia (SEA), incl. **SWFDP-SeA & SEAFFGS** → **ECCC**
- SSOP I & II → **UNESCAP TF (through the Typhoon Committee)**
- Pilot Program for Climate Resilience (PPCR), e.g. in Cambodia → **Climate Investment Fund (CIF)**
- Other bilateral projects → **directly supported by National Meteorological and Hydrological Services (NMHSs) of WMO Members** (e.g. UKMO in the Philippines, KMA/KOICA, JMA, etc.)

Planned:

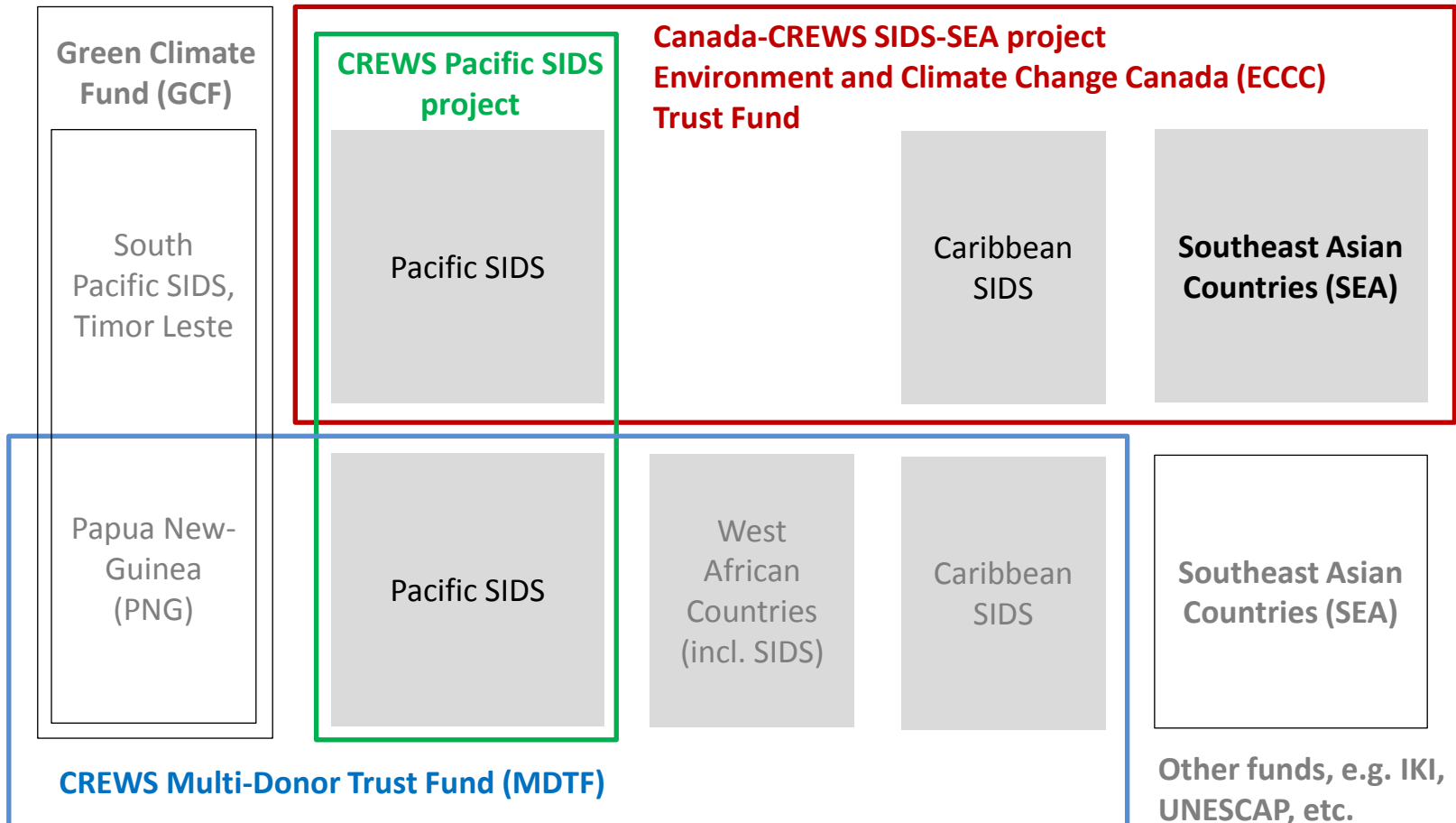
- Applying seasonal climate forecasting and innovative insurance solutions to climate risk management in the agriculture sector in SEA → **International Climate Initiative (Germany)**



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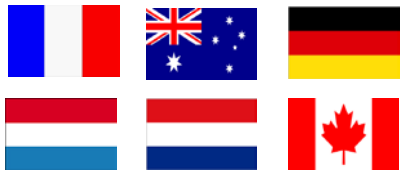
- Other activities

Relation between the different projects



CREWS Trust Fund (FIF) and Partners

Steering Committee



- ❑ Reviews and approves projects and allocations
- ❑ Approves operational guidelines (eligibility, process and a common format for projects)
- ❑ Reviews progress reports

Implementing Partners



- ❑ Consult with recipient countries, and all stakeholders
- ❑ Assist recipient countries and stakeholders in the design of the projects and implementation
- ❑ Use CREWS funds in accordance with their policies and procedures

Secretariat (at WMO)

- ❑ Receives and reviews project proposals
- ❑ Prepares operational guidelines, M&E framework and annual reports
- ❑ Maps status of EWS in SIDS and LDCs

Trustee (at World Bank)

- ❑ Provides Steering Committee with regular reports on the financial status
- ❑ Requiring from the Implementing Partners periodic financial reports

CREWS Objective

- ❑ **Significantly increase access to EWSs and risk information to protect lives, livelihoods in LDCs & SIDS**
 - ❑ Provide hazard & risk information to guide EWSs
 - ❑ Improve NMHSs' service delivery with long-term development plans for NMHSs

CREWS contributes to the SDGs, the Paris Climate Change Agreement & the Sendai Framework

« Substantially increase the availability of and access to multi-hazard early warning systems and disaster risk information and assessments to the people by 2030. »

- ❑ Develop preparedness and response plans
- ❑ Enhance targeted education and public awareness

Leverage/collaborate with selected other projects

WORLD BANK / GFDRR implemented:

Lao PDR:

- Southeast Asia Disaster Risk Management Project
- Additional Financing for Mekong Integrated Water Resources Management

Cambodia:

- Southeast Asia Disaster Risk Management Project
- Mekong Integrated Water Resources Management Project- Phase III

Vietnam:

- Mekong Delta Integrated Climate Resilience & Sustainable Livelihoods Project
- Vinh Phuc Flood Risk and Water Management Project
- Mekong Integrated Water Resources Management Project- Phase II
- Managing Natural Hazards Project

Lao PDR, Cambodia, and Myanmar:

- Developing Strategic Plans for Disaster Risk Financing, Risk Reduction, and Hydromet Services in South East Asia (funding from Japan)

Thank you

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