

Opportunities for RCCs through recent and ongoing projects

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WMO OMM

World Meteorological Organization

Organisation météorologique mondiale

Regional Consolidation of Investments

- Considerable investment in the relevant institutions needed for seamless multi-hazard early warning has already been made (e.g., RCCs/RCC-Networks already in place or coming up shortly)
- WMO has access to extra-budgetary funding (e.g., GFCS projects, CREWS, Intra-ACP, GCF, etc.), and additional investments could be available in related projects under implementation by partners, creating significant leveraging potential
- The approach developed through demonstrations in regions with immediate access to funding can be adapted to others



Potential Elements: Data

- Observations, historical data and information management
 - Strengthened observing systems and integration of observations at all levels
 - Data rescue
 - Improved historical time series/reanalyses
 - Strengthened climate data management systems
 - Integration of data, tools and products among global, regional and national centers using WIS and GDPFS



Potential Elements: Prediction/Projection

- Seamless prediction
 - Objective regional seasonal and sub-seasonal forecasting systems (EC-69, Decision 4.5/4)
 - Downscaling and tailoring sector applications in countries
 - Strengthened severe weather, typhoon and flood warning systems
 - Sub-seasonal forecast bundles
 - Downscaled regional projections of key variables

Potential Elements: Service Delivery

- More systematic provision of monitoring products
- Strengthened alerting systems using the Common Alerting Protocol
- Tailored products for risk management in sensitive sectors including marine services (e.g. coastal inundation, fisheries)



Generalized Project Template for Regional CSIS Implementation (1/2)

- Description:
 - A tiered network of service providers will be implemented that collectively fulfil the minimum CSIS functions as per attached draft technical framework
- Objective:
 - To underpin national and regional climate service delivery based on user requirements
- Benefits:
 - End users will be able to access a full suite of climate services covering all timescales from historical past to future;
 - NMHS will be empowered to provide relevant climate services



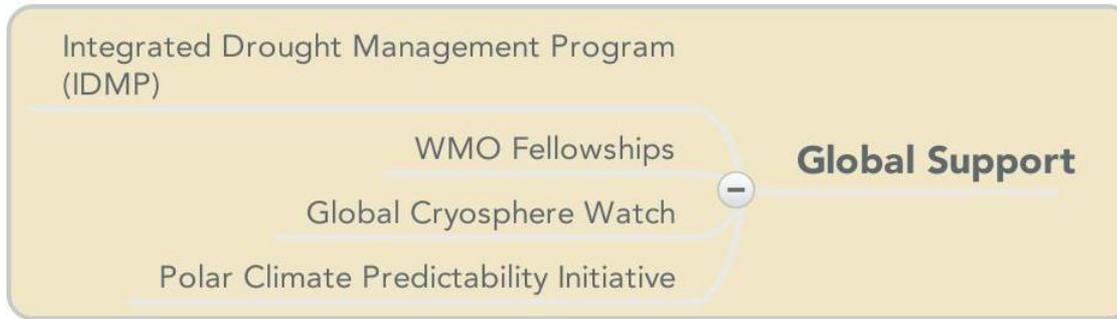
Generalized Project Template for Regional CSIS Implementation (2/2)

- Outputs:
 - Tailorable quality climate data, state-of-the-art climate diagnostics and statistics, forecasts and projections
- Activities:
 - Assessment and implementation plan
 - Implementation of tools and infrastructure as appropriate
 - Training as appropriate
- Inputs:
 - Appropriate funding and international expertise
- Partners:
 - NMHSs, **RCC**, research community, producers of climate information (public and private sector), users



Programme of Implementing GFCS at Regional and National Scales: Funded by Environment Canada

Environnement
Canada



Climate Services

Environment
Canada





CREWS is an initiative through an international partnership that aims to strengthen risk information and early warning systems in vulnerable countries, and to leverage financing to protect populations exposed to extreme climate events.

The initiative builds on existing activities, and investment by CREWS will help leverage much greater funding from the Green Climate Fund and other sources

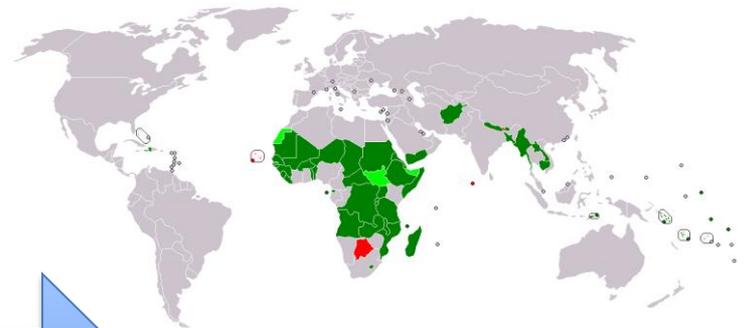
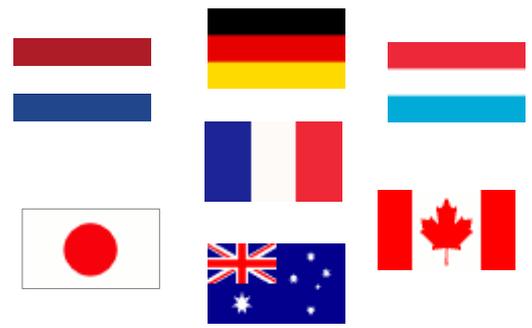
CREWS

To reverse the trend in LDCs and SIDS, it requires increased investments in preparedness and risk reduction

Multi-Donor Trust Fund



CREWS
COALITION
GROUP



LDCs & SIDS



The goal is to mobilize and invest more than US\$30 million by July 2017 and US\$100 million by 2020.

Project objective: Foster sustainable development

Indicator:

- Progress towards **SDG 13, Indicator 13.2.1:**
 - Number of ACP countries that have established or operationalized an integrated GHG reduction and climate change adaptation policy/strategy/plan in a way that does not threaten food production



Project outcome: Strengthen and improve the climate services value chain in ACP countries

Indicators:

- Number of ACP **Regional Climate Centers** designated or in demonstration phase according to WMO standards
- Number of final climate services value chain users as served by the action
 - Disaggregated by gender, priority sector, ACP region/sub region

Asia Regional Resilience to a Changing Climate (ARRCC) Programme

ARRCC Overview

- Four year Programme, starting in September 2018
- The Programme will deliver new technologies and innovative approaches to help vulnerable communities use weather warnings and forecasts to better prepare for climate-related shocks
- Regional but focusing on Bangladesh, Pakistan, Nepal and Afghanistan
- India also viewed as having a pivotal role as regional hub
- Application of climate information services rather than research
- Across all timescales (weather, seasonal, climate)
- £23.5m DFID funding through Met Office (£12m), World Bank (£10m) & M&E (tbc)



Courtesy: Julian Menadue

Thank you



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