

CLIMATE-SMART
Agriculture
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Promoting Resilience in ASEAN

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Food Security in ASEAN



Decline in undernourished people
from 140 million people in the
1990s to 64.5 million
(FAO 2013)

...though the sustainability of these gains
continue to be challenged



Impacts of Climate Change...



Adaptation readiness of the agriculture and forestry sectors in ASEAN

Readiness Component	Political Leadership	Adaptation decision making and stakeholder involvement	Availability of usable science to inform decision making	Funding for adaptation planning, implementation and evaluation	Public support for Adaptation
Philippines					
Cambodia					
Vietnam					
Laos					
Myanmar					
Malaysia					
Thailand					
Indonesia					

Readiness Summary

- Prerequisites for adaptation interventions are in various stages of implementation
- Regional conversation and knowledge sharing (lessons are shared)
- 1. Mainstreaming adaptation into sectoral, national and local development plans (C, M, I, V, P)
- 2. Developing specific CCA projects/plans in Laos and Myanmar



ASEAN

- A political and economic organisation of ten Southeast Asian countries, which was formed on 8 August 1967 by Indonesia, Malaysia, the Philippines, Singapore, and Thailand.
+ Brunei, Cambodia, Laos, Myanmar (Burma), and Vietnam.
- economic growth, social progress, sociocultural evolution



ASEAN

- In 2012, its combined nominal GDP had grown to more than US\$2.3 trillion. If ASEAN were a single entity, it would rank as the seventh largest economy in the world, behind the US, China, Japan, Germany, France, and the United Kingdom.



ASEAN Policy Frameworks / Initiatives

- Food, Agriculture and Forestry (FAF) Vision 2016 – 2025

The ASEAN FAF Sector Roadmap and sector for post-2015: *“A competitive, inclusive, resilient and sustainable FAF sector integrated with the global economy, based on a single market and production base contributing to food and nutrition security and prosperity in the ASEAN Community*

- ASEAN Integrated Food Security (AIFS) Framework
- ASEAN Multi-Sectoral Framework on Climate Change (AFCC): Agriculture, Fisheries and Forestry towards Food Security
- ASEAN Climate Change Initiative (ACCI)

Thai Proposal: Production System Approach for Sustainable Productivity and Enhanced Resilience to Climate Change



Regional Vulnerability Index Assessment

- ASEAN-GERMAN Programme on Response to Climate Change (GAPCC) of GIZ commissioned a VULNERABILITY INDEX ASSESSMENT with the Centre For Climate Risk and Opportunity Management in SEA and Pacific (CCROM) and Bogor Agricultural University
 1. Vulnerability index: included production, consumption and distribution of major crops.
 2. Rice, maize and cassava were prioritized as most vulnerable to climate change.
- Changing Thai Proposal to: Promotion of Resilience in Rice and Other Crops in ASEAN



S E A M E O
SEARCA



ASEAN Climate Resilient Network (CRN) on the Promotion of Resilience in Rice and Other Crops

- Lead by Department of Agriculture, Thailand through the ASEAN Technical Working Group on Agriculture Research and Development
- Supported by GAPCC/GIZ
- Coordinated by SEARCA
- January 2014 - January 2015 (first phase)



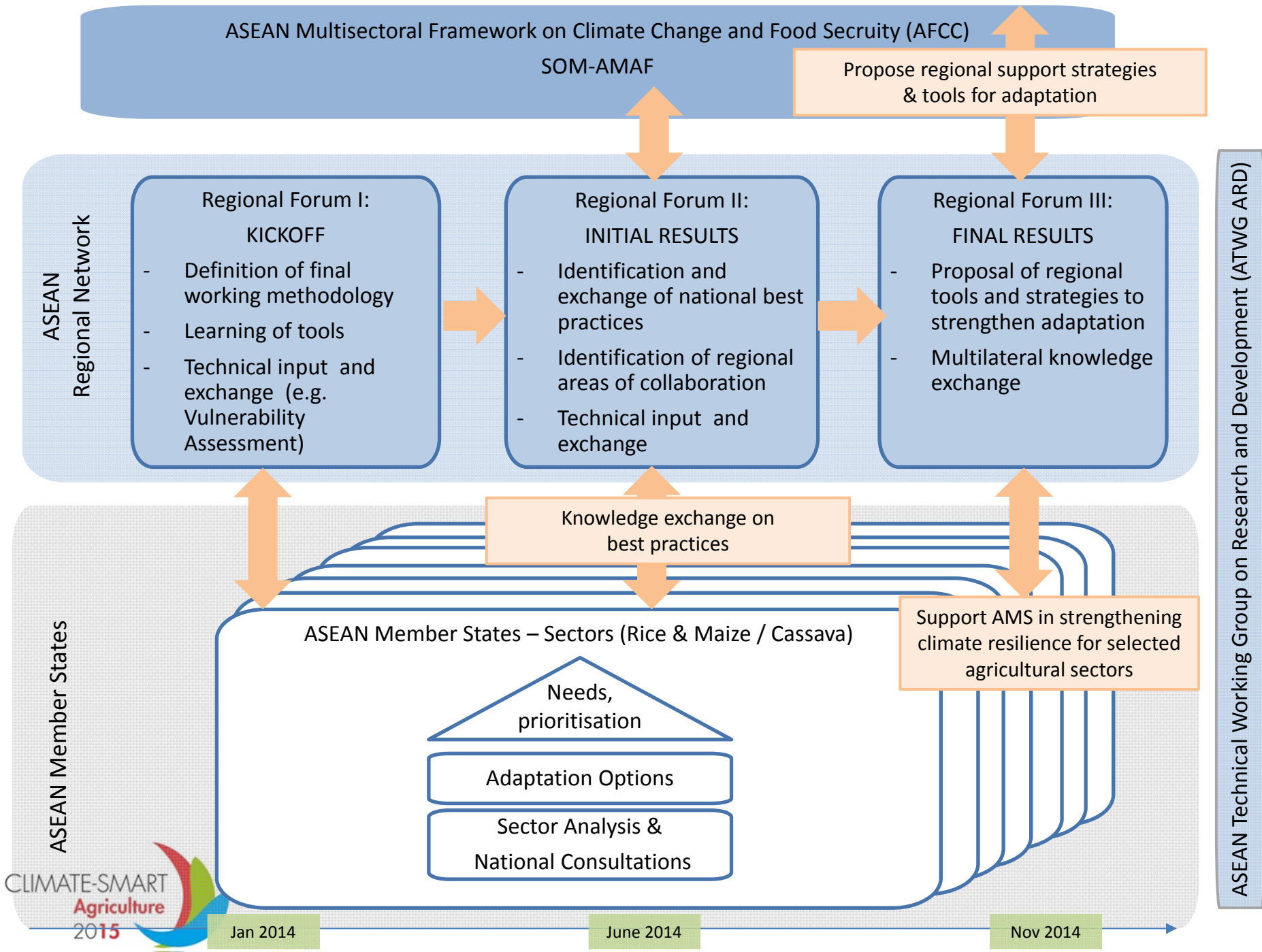
Promotion of Climate Resilience in Rice and Other Crops:

- To promote a common understanding on and facilitate exchange experiences of climate change and the agriculture sector focussed on selected crops (rice, maize and cassava);
- To identify successful practices and policies at AMS level for tackling these climate change related threats that can be out-scaled and up-scaled; and
- To identify common concerns and capacity needs, and propose regional support strategies and instruments to address these in a coherent manner.

Outputs: Regional Policy Guidelines on Crops Resiliency and Knowledge Cooperation for endorsement by the SOM-AMAF.

Bridging Practice into Policy through the ASEAN bodies





ASEAN Multisectoral Framework on Climate Change and Food Security (AFCC)

SOM-AMAF

Propose regional support strategies & tools for adaptation

ASEAN Regional Network

Regional Forum I: KICKOFF

- Definition of final working methodology
- Learning of tools
- Technical input and exchange (e.g. Vulnerability Assessment)

Regional Forum II: INITIAL RESULTS

- Identification and exchange of national best practices
- Identification of regional areas of collaboration
- Technical input and exchange

Regional Forum III: FINAL RESULTS

- Proposal of regional tools and strategies to strengthen adaptation
- Multilateral knowledge exchange

ASEAN Technical Working Group on Research and Development (ATWG ARD)

Knowledge exchange on best practices

ASEAN Member States – Sectors (Rice & Maize / Cassava)

Support AMS in strengthening climate resilience for selected agricultural sectors

Needs, prioritisation

Adaptation Options

Sector Analysis & National Consultations



Jan 2014

June 2014

Nov 2014

Common good practices prioritized by national programs & exchange

Good practices	Bru	Cam	Ind	Lao	Mal	Mya	Phi	Tha	VN
1) Rice									
Stress tolerance	+	+		+	+	+	+	+	
Cropping calendar	+		+	+	+		+	+	
Crop-water-nutrient	+	+			+	+	+		+
Crop diversification		+		+			+		
Crop insurance			+						+
2) Maize									
Stress tolerance							+	+	+
High yielding&quality						+			+
SSNM						+	+		
Post harvest G&S			+	+					
GAP in sloping areas	+					+			
3) Cassava									
Healthy plant. materials		+			+				
GAP sloping areas		+			+				

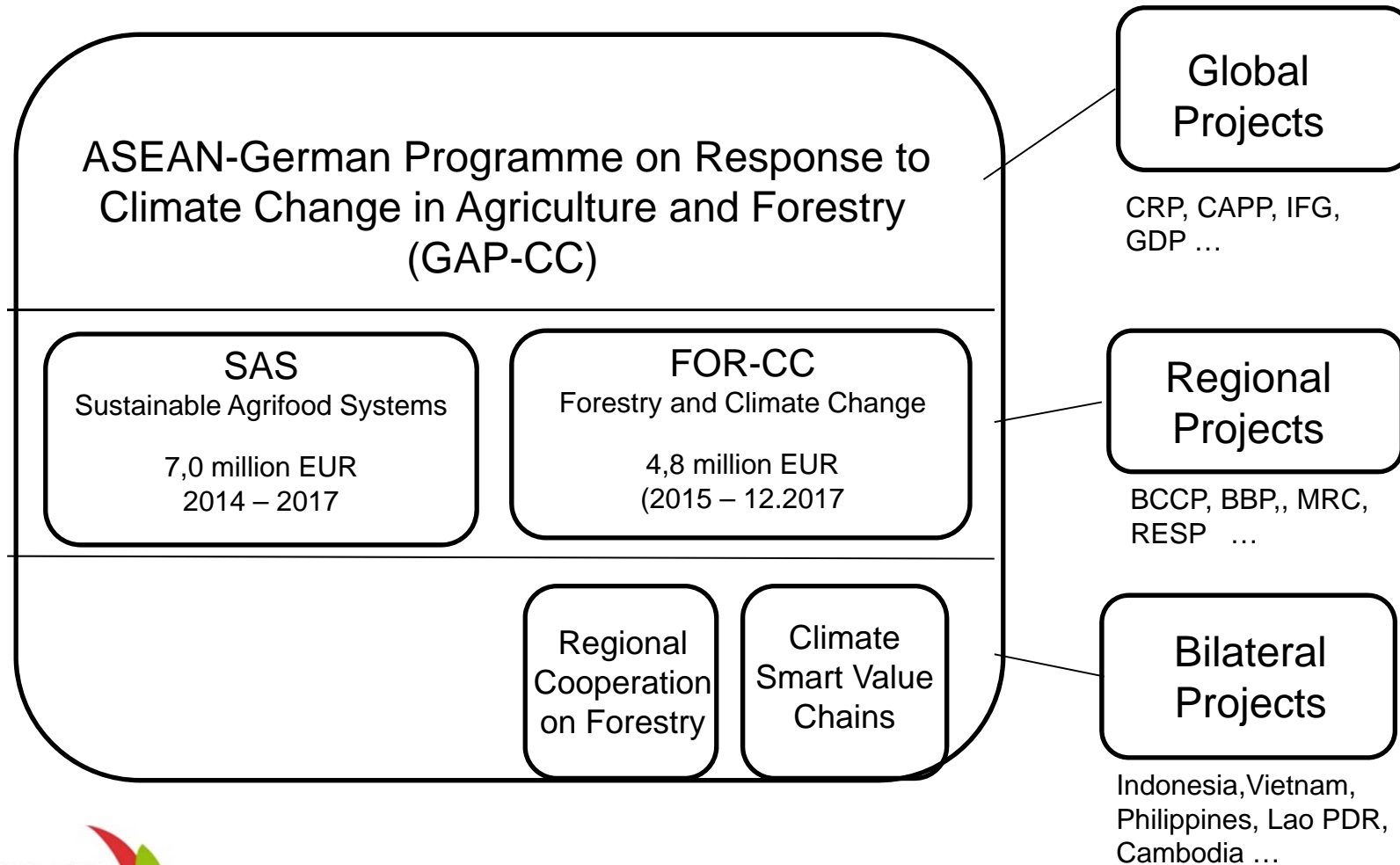


Climate Resilience Network: Next Step

- Setting-up and facilitating regional collaboration among participating AMS in the sharing of information on GPs, and technology transfer through existing networks, and programs of regional institutions.
- Partnership and collaboration of R&D institutions in the agricultural sector with local groups (e.g. Local Government Units (LGUs), NGOs, Peoples Organisations (Pos)
- Sustainability of CCA interventions: SCALING UP Good Practices and accessing FINANCE
- Guidelines for regional cooperation and for crops resiliency endorsed to SOM-AMAF
- GAPCC continues to support the CRN in search of partners and other donors onwards to its next phase of FORCC

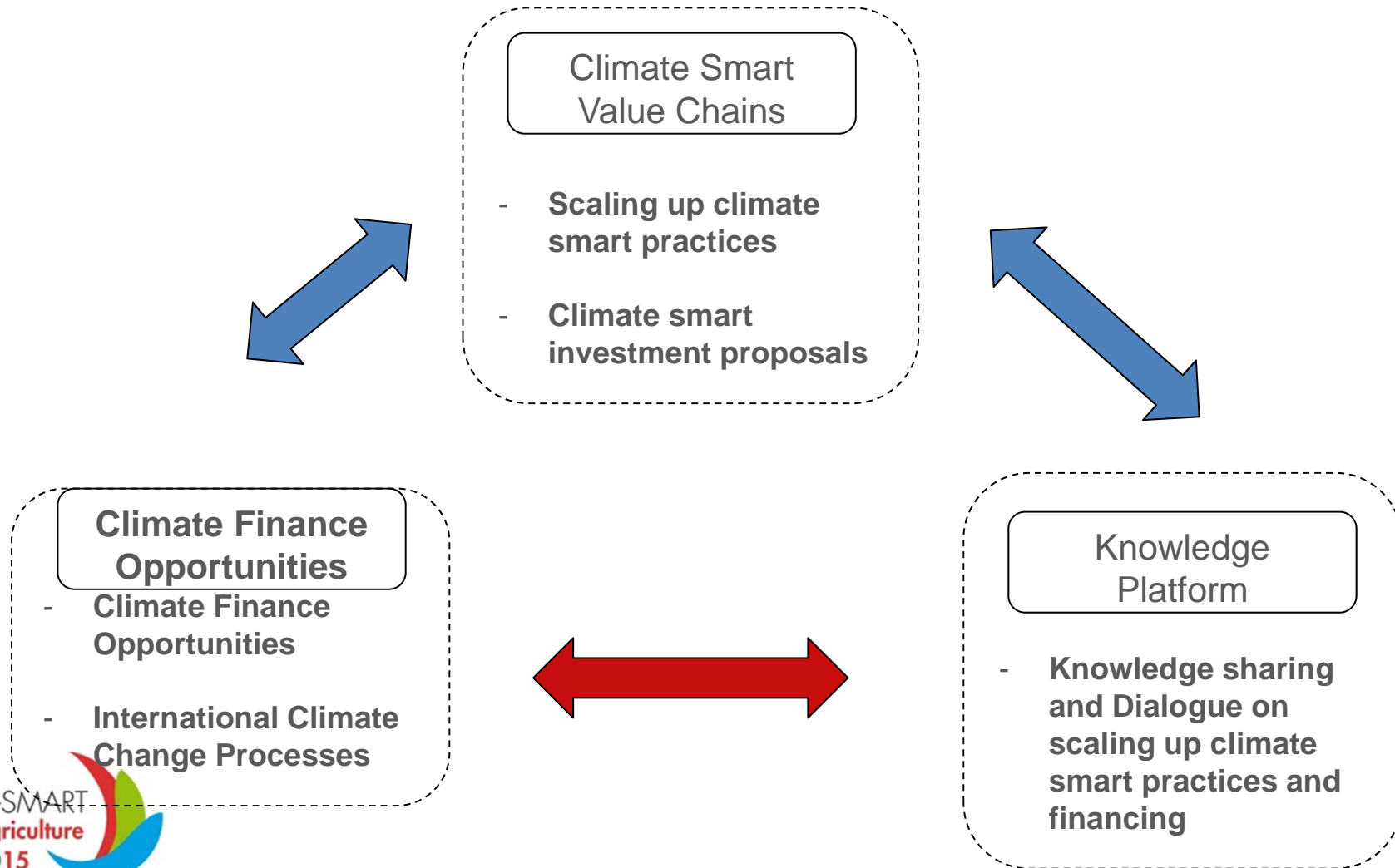


GAP-CC: Structure and Context





Climate Smart Value Chains



Funding Status-ASEAN

- The Adaptation Fund, LDC fund, Special Climate Change Fund, Climate and Development Knowledge Network, Global Climate Change Alliance, Global Facility for DRR and the International Climate Initiative, and the Copenhagen Green Climate Fund.
- Match global funding sources with national priorities through the USAID Adapt Asia Pacific

SEI paper

- Accelerating national implementing entity (NIE) accreditation of selected national bodies as conduits of either the Green Climate Fund or the Adaptation Fund
- To date, there are no national entities within ASEAN accredited yet with any of these funds. GIZ could also consider supporting MRC or the ASEAN Secretariat to become a regional implementing entity (RIE) while national implementing entities (NIE) are in the process of being accredited



ASEAN-GERMAN PROGRAMME ON RESPONSE TO CLIMATE CHANGE GAP-CC

THANK YOU

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