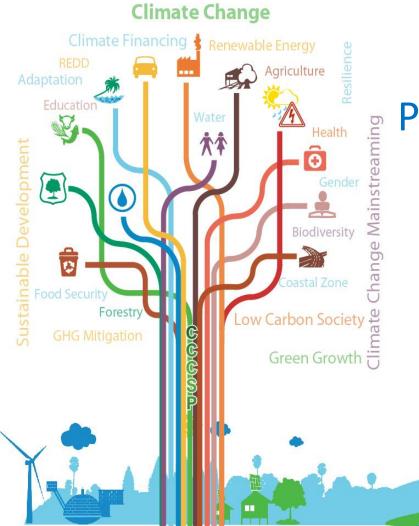
## 15<sup>th</sup> Meeting of the National Climate Change Committee

20 November 2014, Cambodia



Update on ongoing and initiative of Climate Change Project/Program in Cambodia

SUM Thy Director, Climate Change Department Ministry of Environment

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# **Content of Presentation**

- 1. Update of CCCSP and Action Plan
- 2. Update on Climate Change Project/Program

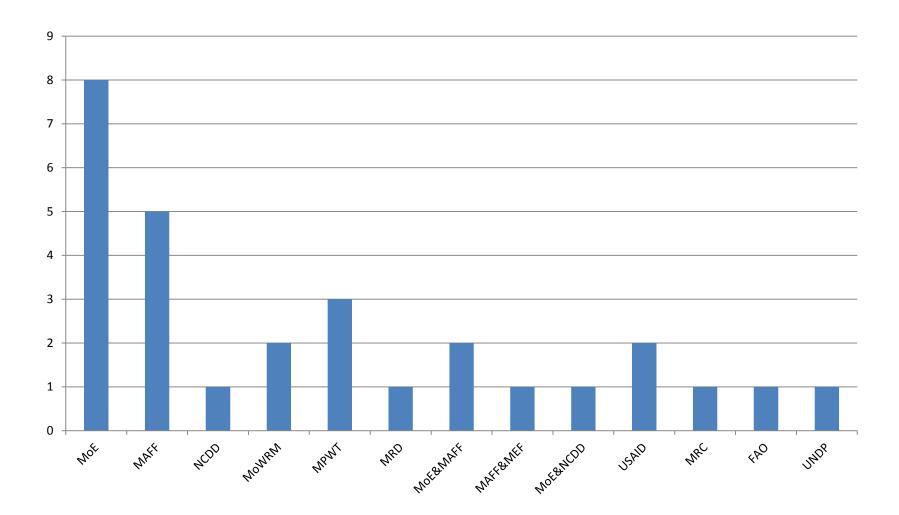
## Update of CCCSP and Action Plan

- Cambodia Climate Change Strategic Plan (2014-2023) was adopted in Oct 2013
- The preparation of Sectoral Climate Change Strategic Plans and Action Plans were completed by 8 Ministries/Authority
- 6 additional Ministries start preparing CCAP with support from CCCA

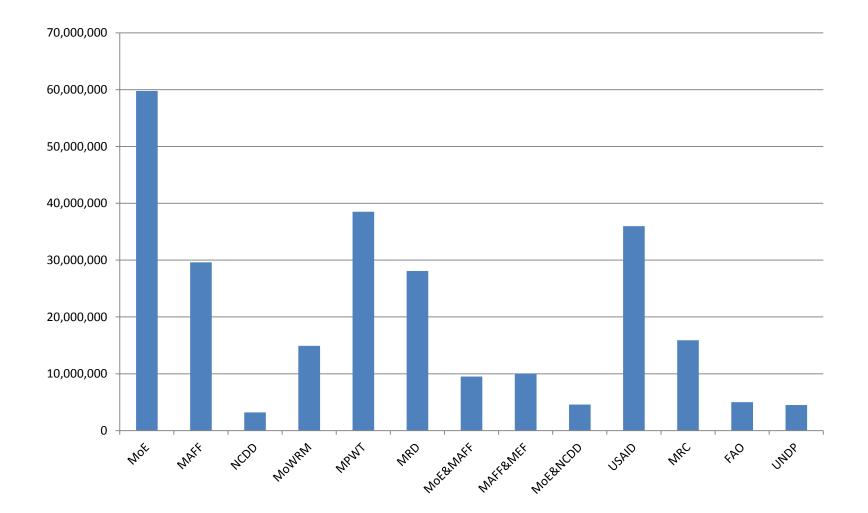


- Total of 29 Projects/Programms are being and will be implemented from 2009 to 2022.
- Five of 29 Projects to be implemented by MoE and MAFF and NCDD are under proposal preparation.
- Ministries/Agencies: MoE, MAFF, MoWMR, MoPWT, MRD, MOWA, NCDD, UNDP, USAID, MRC: NMC
- Partners/donors: UNDP, ADB, EU, UNEP, FAO, USAID, AusAID, Sida, JICA, Korea Export-Import Bank, Nordic Development Fund and GEF through implementing agencies)
- No information from IFAD. Most activities with MAFF
- Total Budget (rough estimation): USD 248 M (Apro USD 212 M grant)

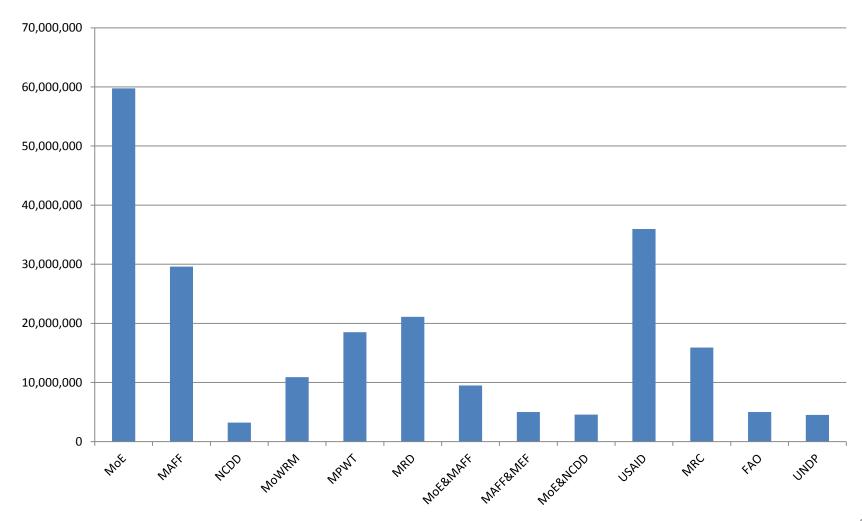
## Update on Climate Change Project/Program Project/Program by Ministries/Agencies



## Update on Climate Change Project/Program Financial support (grants and credit) in Ministries/agencies



#### Financial grants by Ministries/agencies



Project/Initiative	Cambodia Climate Change Alliance (CCCA) – Phase I
Donor/Partners	UNDP, Sweden, DANIDA, EU, GEF-LDCF, Royal Government of Cambodia
Executive Agency	Ministry of Environment
Budget (grant)	USD 10,800,000
Timeframe	2010 to Jun 2014
Objective	To strengthen the capacity of the NCCC to fulfill its mandate to address climate change and to enable line ministries, local government institutions, and civil society organisations to implement priority climate change actions
Progress	<ul> <li>Development of the Cambodia Climate Change Strategic Plan 2014-2023 and corresponding strategic plans and action plans in 9 priority ministries and agencies</li> <li>Successful operation of a grant facility (20 Government and NGO projects), and increased visibility and knowledge of climate change, through aware raising and advocacy activities</li> </ul>

Project/Initiative	Cambodia Climate Change Alliance (CCCA) – Phase II
Donor/Partners	UNDP, EU, SIDA, Royal Government of Cambodia
Executive Agency	Ministry of Environment
Budget (grant)	USD 12,800,000
Timeframe	Jul 2014 to 2019
Objective	To strengthen national systems and capacities to support the coordination and implementation of Cambodia's climate change response, contributing to a greener, low carbon, climate-resilient, equitable, sustainable and knowledge-based society, specifically in the implementation of the Cambodia Climate Change Strategic Plan (CCCSP).
Progress	<ul> <li>Just started the 2<sup>nd</sup> phase to contribute to 1) strengthening the governance of climate change, 2) orienting public and private, domestic and external resources in support of the CCCSP vision, and 3) developing human and technological capital for the climate change response</li> </ul>

Project/Initiative	Community-Based Adaptation (CCBAP)
Donor/Partners	Sweden, AusAID
Executive Agency	UNDP
Budget (grant)	USD 4,500,000
Timeframe	2010 to Mar 2015
Objective	To reduce vulnerability and increase adaptive capacity of the communities to manage the additional risks of climate change
Progress	<ul> <li>Climate change adaptation and resilience are built in 450 vulnerable communities in flood/drought prone areas of Cambodia under the Small Grants Programme</li> <li>60 % of the targeted communes integrated/applied climatic information and activities, and vulnerability assessment into the commune development plans and commune investment plans (CDPs/CIPs)</li> </ul>

Project/Initiative	Promoting Climate Resilient Water Management and Agricultural Practices in Rural Cambodia (NAPA-FU Phase I)
Donor/Partners	UNDP, GEF, Royal Government of Cambodia
Executive Agency	Ministry of Agriculture, Forestry and Fisheries
Budget (grant)	USD 3,100,000
Timeframe	2009 to 2013
Objective	To make Cambodia's agricultural sector less vulnerable to changes in the availability of water resources resulting from climate change
Progress	<ul> <li>Pioneered the first climate change and gender sensitive tool, Vulnerability Reduction Assessment (VRA), and influenced the integration of climate change adaptation priorities and investment needs in 16 commune development plans and investment programmes</li> </ul>

Project/Initiative	Promoting Climate Resilient Water Management and Agricultural Practices in Rural Cambodia (NAPA-FU Phase II)
Donor/Partners	UNDP, CIDA
Executive Agency	Ministry of Agriculture, Forestry and Fisheries
Budget (grant)	USD 2,180,000
Timeframe	2013 to 2015
Objective	To make Cambodia's agricultural sector less vulnerable to changes in the availability of water resources resulting from climate change
Progress	<ul> <li>Expanded its scope into another 16 communes in 2 additional districts in the same province, making a total of 32 communes in 4 districts</li> </ul>

Project/Initiative	Scaling up climate change into sub-national planning and budgeting process (SNC Scale-up)
Donor/Partners	UNDP, CIDA, Royal Government of Cambodia
Executive Agency	National Committee for Sub-National Democratic Development
Budget (grant)	USD 3,200,000
Timeframe	2011 to 2015
Objective	To increase the support and ownership of sub-national administrations on the integration of climate change into district/commune investment programmes
Progress	<ul> <li>Government agreed to recognize and adopt the climate change mainstreaming guidelines into their sub-national planning and budgeting and budgeting process in Nov 2013</li> <li>Climate change guidelines and technical manuals are currently being drafted</li> </ul>

Project/Initiative	Strengthening Sustainable Forest Management
Donor/Partners	UNDP, GEF, DANIDA, GERES, Royal Government of Cambodia
Executive Agency	Forestry Administration
Budget (grant)	USD 9,960,000 Cash grant = USD 4,025,342
Timeframe	2011 to 2015
Objective	To strengthen sustainable forest management (SFM) through integrating community-based SFM for Community Forests (CFs) and Community Protected Areas (CPAs) into policy, planning, and implementation
Progress	<ul> <li>Community forest management and business plans of each CF prepared with some CFs already earning income. Community protected Area Management Plans are being developed for 11 CPA sites. 4 commune land use plans prepared.</li> <li>National Wood Biomass Energy Strategy being finalized. 46 Improved cook stove production units established creating employment of 140 new jobs, mostly for women. Approximately 14,000 tons of CO2 ER are accounted from utilization of 90,000 stoves.</li> </ul>

Project/Initiative	UN-REDD programme Forest Carbon Partnership Facility REDD+ Readiness Project
Donor/Partners	FCPF, UN-REDD, CAM-REDD, FAO Royal Government of Cambodia
Executive Agency	Forestry Administration
Budget (grant)	UN-REDD: USD 4,200,000 / FCPF: USD 3,800,000
Timeframe	UN-REDD: 2011 to 2014/ FCPF: 2013 to 2016
Objective	To enhance the RGC's capacities for tackling deforestation and forest degradation and for measuring, reviewing and verifying emission reduction
Progress	<ul> <li>REDD+ coordination mechanism established</li> <li>Outline of National REDD+ Strategy developed. Policy reviews on protected area strategy development, REDD+ fund mechanism benefit sharing, safeguard information system, grievance mechanism have been carried out for finalization</li> <li>Demonstration activities have generated lessons.</li> <li>National forest inventory design and training on field manuals, inventory of existing satellite imageries completed, database on existing forest inventory data being established, work on national forest monitoring systems and web platform continues</li> </ul>

Project/Initiative	Generating, Accessing and Using Information and Knowledge Related to the Three Rio Conventions
Donor/Partners	UNDP, GEF, Royal Government of Cambodia
Executive Agency	Ministry of Environment
Budget (grant)	USD 2,290,000
Timeframe	2014 to 2017
Objective	To support the development of national capacities to effectively and efficiently standardize environmental information that is generated on the implementation of the Rio Conventions in Cambodia, and give open-access to this information
Progress	<ul> <li>Approved by GEF Secretariat in Sep 2014</li> </ul>

Project/Initiative	Strengthening climate information and early warning systems in Cambodia to support climate resilient development and adaptation to climate change
Donor/Partners	GEF, WB, ADB, MRC, JICA, Royal Government of Cambodia
Executive Agency	Ministry of Water Resources And Meteorology
Budget (grant)	USD 4,910,285 *Co-financing : US\$ 21,884,540
Timeframe	2014 to 2018
Objective	To establish an effective early warning system (EWS) for the timely preparation for extreme events, as well as climate resilient development planning
Progress	<ul> <li>Waiting for the final endorsement of the GEF Secretariat</li> </ul>

Project/Initiative	Reducing the vulnerability of Cambodian rural livelihoods through enhanced sub-national climate change planning and execution of priority actions (Resilient Livelihood)
Donor/Partners	GEF
Executive Agency	Ministry of Environment/NCDD
Budget (grant)	USD 4,567,500 *Co-financing : US\$16,164,000
Timeframe	48 months (expected 2015 onward)
Objective	To reduce vulnerability of Cambodian rural livelihoods through enhanced sub-national climate change planning and execution of priority actions
Progress	Project formulation stage

Project/Initiative	Mainstreaming climate resilience into development planning
Donor/Partners	ADB/CIF
Executive Agency	Ministry of Environment
Budget (grant)	USD7 million + USD 3-4 million additional financing (Grant)
Timeframe	September 2013 – September 2018
Objective	Strengthening institutional and technical capacity to integrate adaptation concerns into development planning
Progress	<ul> <li>PPCR sub-committee approval: Aug 2012</li> <li>ADB Board approval: Oct 2012</li> <li>Date of Actual Implementation: Sept 2013</li> <li>SPCR coordination Team Established with 13 members represented 9 ministries</li> <li>The replacement consultants team to be on board in Jan 2015</li> <li>Draft Inception Report was prepared in March 2014</li> <li>Expected Date of completion: September 2018</li> </ul>

Project/Initiative	Flood and Drought Management in Pursat province (as part of the GMS Flood and Drought Management Project)
Donor/Partners	ADB/CIF
Executive Agency	Ministry of Water Resources and Meteorology
Budget (grant)	<b>USD 48 M</b> (PPCR: USD 6 M Grant + USD 4 M Credit) +\$35 M (ADB) + USD 3 M (Govt)
Timeframe	Dec 2012 –Mar 2019
Objective	<ul> <li>Enhance resilience of irrigation and river bank protection infrastructure</li> <li>Strengthen capacity of communities to reduce climate risks</li> <li>Promote regional cooperation for climate risk management</li> </ul>
Progress	<ul> <li>PPCR sub-committee approval: Oct 2012</li> <li>ADB Board approval: Dec 2012</li> <li>Recruitment of project consultants is in progress, expected to be on board by the end of Dec 2014 or early Jan 2015</li> <li>Expected Date of completion: Mar 2019</li> </ul>

Project/Initiative	Climate proofing of agricultural infrastructure and business- focused Adaptation (as part of the Climate Resilient Rice Commercialization Project )
Donor/Partners	ADB/CIF
Executive Agency	MAFF and MEF
Budget (grant)	USD 64 Million (PPCR: USD 5M grant + USD 5M credit) +USD31M (ADB) +USD 15M (GAFSP) + USD 8 M (Govt)
Timeframe	Jun 2013 – Sep 2019
Objective	<ul> <li>Enhance demand side water use efficiency</li> <li>Pilot crop insurance using the weather-based index</li> <li>Strengthen climate-resilience of post-harvest infrastructure</li> </ul>
Progress	<ul> <li>PPCR sub-committee approval: Feb 2013</li> <li>ADB Board approval: Jun 2013</li> <li>Recruitment project consultant is about to finalize</li> <li>Expected Date of completion: Sep 2019</li> </ul>

Project/Initiative	Climate-resilient agriculture in Koh Kong and Mondulkiri provinces (as part of the GMS Biodiversity Conservation Corridors Project)
Donor/Partners	ADB/CIF
Executive Agency	MAFF and MOE
Budget (grant)	USD 28.4 million (PPCR: USD 8 M Grant) + USD 19 M (ADB) +USD 1.4 (Govt
Timeframe	Dec 2014 – Sep 2019
Objective	<ul> <li>Construct flood protection dikes to reduce salinity and regain rice growing land</li> <li>Restore and conserve mangroves to reduce the impacts of sea level rise and coastal flooding</li> <li>Improve rainwater harvesting system and enhance resilience of community water supply</li> <li>Enhance resilience of small scale agriculture through introduction of drought/ flood tolerant crop varieties and small scale irrigation</li> </ul>
Progress	<ul> <li>PPCR sub-committee approval: Sep 2014</li> <li>Expected ADB Board approval: Dec 2014</li> <li>Expected Loan/Grant effectiveness: Mar 2015</li> <li>Expected Date of completion: Sep 2019</li> </ul>

Project/Initiative	Climate Proofing of Roads in Prey Veng, Svay Rieng, Kampong Chhnang and Kampong Speu Provinces (as part of Provincial Roads Improvement Project)
Donor/Partners	ADB/CIF
Executive Agency	MPWT
Budget (grant)	<b>USD 78.8M</b> (PPCR: USD 7M Grant + USD 10M Credit) +USD 52M (ADB) + USD 9.8M (Govt)
Timeframe	Dec 2014 – Sep 2019
Objective	<ul> <li>Improve planning for road infrastructure development (Green planning and Emergency planning)</li> <li>Protect transport infrastructure from climate change impacts through improved design standards</li> </ul>
Progress	<ul> <li>PPCR sub-committee approval: Nov 2011</li> <li>ADB Board approval: Dec 2011</li> <li>Loan/Grant effectiveness: Aug 2012</li> <li>Project consultants are now on board, Inception report was prepared in April 2014</li> <li>Expected Date of completion: Mar 2017</li> </ul>

Project/Initiative	Climate proofing of rural roads (as part of Rural Roads Improvement Project II)
Donor/Partners	ADB/CIF, AusAID, Korea Export-Import Bank, Nordic Development Fund, AFD (France)
Executive Agency	MRD
Budget (grant)	USD 170.3 M (USD 9 M Grant+7 M Credit)+USD 54 M (ADB)+ USD 6.7 M (AusAID)+ USD 41 M (Korea Export-Import Bank) + USD 5.4 M (Nordic Development Fund) + USD 36 M AFD (France)+ USD 11.2 M (Govt)
Timeframe	Mar 2015 – Jun 2020
Objective	<ul> <li>Provide year-round road connectivity to remote villages</li> <li>Strengthen capacity of communities to reduce climate risks</li> <li>Enhance climate resilience of rural roads</li> </ul>
Progress	<ul> <li>Expected PPCR sub-committee approval: Dec 2014</li> <li>Expected ADB Board approval: Q1 2015</li> <li>Expected Date of completion: June 2020</li> </ul>

Project/Initiative	Climate proofing infrastructure in the Southern Economic Corridor (SEC) towns (as part of the <u>GMS Corridor Towns</u> <u>Development Project)</u>
Donor/Partners	ADB/CIF
Executive Agency	MPWT
Budget (grant)	<b>USD 55.4 M</b> (PPCR: USD 5 M Grant + USD 5 M Credit) + USD 37 M (ADB) + USD 6.9M (Govt) + USD 1.5 (Urban Financing Partnership Facility Grant)
Timeframe	Dec 2012 – Dec 2018
Objective	<ul> <li>Mainstream adaptation concerns into urban infrastructure development planning</li> <li>Strengthen climate resilience of sanitation systems, including drainage channels, sewerage, sanitary landfills</li> </ul>
Progress	<ul> <li>PPCR sub-committee approval: Oct 2012</li> <li>ADB Board approval: Dec 2012</li> <li>Loan/Grant effectiveness: Mar 2013</li> <li>Expected Date of completion: Dec 2018</li> </ul>

Project/Initiative	Flood-resilient infrastructure development in PourSat and Kampong Chhnang (as part of the Integrated Urban Environmental Management in the Tonle Sap Basin Project)
Donor/Partners	ADB/CIF
Executive Agency	MPWT
Budget (grant)	<b>USD 52.4M</b> (PPCR: USD 5 M Grant + USD 5 M Credit) +USD 37 M (ADB) + USD 5.4M (Govt)
Timeframe	Dec 2014 – Dec 2022
Objective	Mainstream adaptation concerns into urban infrastructure development planning Strengthen climate resilience of river banks, solid waste disposal and other sanitation systems
Progress	PPCR sub-committee approval: Oct 2014 Expected ADB Board approval: Dec 2014 Expected Loan/Grant effectiveness: Jan 2015 Expected Date of completion: Mar 2022

Project/Initiative	Reduction of GHG emission through promotion of Commercial Biogas plants
Donor/Partners	UNIDO
Executive Agency	Ministry of Environment and Ministry of Agriculture, Forestry and Fisheries
Budget (grant)	USD 1,500,499
Timeframe	36 months
Objective	To promote investments in biogas based rural electricity enterprises (REE) for increasing rural electrification.
Progress	<ul> <li>Received confirmed co-financing letters from 11 commercial farms</li> <li>Received confirmed co-financing letter from MoE</li> <li>Draft CEO document is being reviewed by UNIDO's technical team</li> </ul>

Project/Initiative	Enabling Activities for the Preparation of Third National Communications under the United Nations Framework Convention on Climate Change
Donor/Partners	GEF through UNEP
Executive Agency	Ministry of Environment
Budget (grant)	USD 500,000
Timeframe	40 months (2014 -2017)
Objective	<ol> <li>To undertake national stocktaking and stakeholder consultations to review work carried out under previous climate change enabling activities and identify gaps and propose relevant activities to be undertaken within the framework of preparing the TNC under the UNFCCC.</li> <li>To prepare the Third National Communications of Cambodia under the United Nations Framework Convention on Climate Change</li> </ol>
Progress	<ul> <li>Agreement with UNEP signed</li> <li>Project formulation stage</li> </ul>

Project/Initiative	Strengthening National Biodiversity and Forest Carbon Stock Conservation through Landscape-based Collaborative Management of Cambodia's Protected Area System as Demonstrated in the Mondulkiri Conservation Landscape (CAMPAS Project)
Donor/Partners	UNEP, GEF
Executive Agency	Ministry of Environment
Budget (grant)	USD 5.2 M
Timeframe	2012 – 2016
Objective	To enhance Cambodia's PAS management effectiveness and secure forest carbon through improving inter-sectoral collaboration, landscape connectivity and sustainable forest management.
Progress	<ul><li>PIF approved</li><li>PGG under preparation</li></ul>

Project/Initiative	Enhancing Climate Change Resilience of Rural Communities Living in Protected Areas in Cambodia
Donor/Partners	UNEP, GEF (Adaptation Fund)
Executive Agency	Ministry of Environment
Budget (grant)	US\$ 4.9 M
Timeframe	2013 – 2018
Objective	To improve climate resilience of the target communities in Boeung Per Wildlife Sanctuary, Phnom Prech Wildlife Sanctuary and Phnom Kulen National Park, through Ecosystem Based Adaptation (EBA) approach to ensure sustainability of food supply and natural resource management under climate change condition.
Progress	<ul> <li>Built one nursery and planted more than 60.000 indigenous threes and distributed more than 30.000 fruit trees</li> <li>Distributed drought tolerance rice species to 66 families</li> <li>Distributed equipment and seedling to 238 families for home gardens activities</li> </ul>

Project/Initiative	Project for Facilitating the Implementation of REDD+ Strategy and Policy (CAM-REDD)
Donor/Partners	JICA and Ministry of Foreign Affairs of Japan
Executive Agency	Forestry Administration
Budget (grant)	USD 12.3 M
Timeframe	2011 – 2016
Objective	promote Sustainable Forest Management (SFM) as a mitigation measure based on the experience of REDD+ implementation. The purpose of the project is to strengthen the capacity of related stakeholders for smooth implementation of REDD+ Strategy and Policy.
Progress	

#### Update on Climate Change Project/Initiative

Project/Initiative	"Vulnerability Assessment and Adaptation Programme for Climate Change within the Coastal Zone of Cambodia Considering Livelihood Improvement and Ecosystems"
Donor/Partners	LDCF/GEF Through UNEP
Executive Agency	Ministry of Environment
Budget (grant)	US\$1,635,000
Timeframe	48months (end2015)
Objective	"to reduce the vulnerability of coastal communities to the impacts of climate change by strengthening policy and science, and demonstrating targeted local interventions to increase ecosystem resilience"
Progress	<ul> <li>Capacity building at National and sub-national included local authorities on vulnerability assessment report and develop adaptation planning</li> <li>Communities Implementation Projects</li> <li>Survey and research assessment in coastal zone area</li> <li>Documents and Publications</li> </ul>

Project/Initiative	Support Forests and Biodiversity (SFB) project
Donor/Partners	USAID
Executive Agency	Winrock International with collaboration from MAFF, MoE, and MoWA
Budget (grant)	US\$ 19,809,323.00
Timeframe	4 Years (Nov 7, 2012-Nov 6, 2016)
Objective	To improve the conservation and management of the Eastern Plains and Prey Lang Landscapes to mitigate climate change and conserve biodiversity.
Progress	<ul> <li>206,948 ha are now under improved natural resources management.</li> <li>13,460.00 households with increased economic benefits derived from sustainable natural resource management and conservation.</li> </ul>

Project/Initiative	Helping Address Rural Vulnerabilities and Ecosystem Stability (HAVEST)
Donor/Partners	USAID
Executive Agency	Fintrac with collaboration from MAFF, CARD, MoE, MoWRM, and MoWA
Budget (grant)	US\$ 16,152,707
Timeframe	5 Years (Dec 22, 2010-Dec 21, 2015)
Objective	To increase the country's agricultural productivities, improve well being of the rural poor and promote sustainable management of natural resources.
Progress	<ul> <li>31,564 ha are under improved small holder production and have reduced vulnerabilities to climate change</li> <li>947,878 ha are under improved natural resource management</li> <li>Over 72,000 farmers improved practices and technology to increase their agricultural products and adapt to climate change impacts.</li> </ul>

Project/Initiative	Mekong River Commission: Climate Change Adaptation Initiative (MRC-CCAI)
Donor/Partners	AusAID, Danida, Luxemburg, Sida, Finish
Executive Agency	Mekong River Commission
Budget (grant)	USD 15.9 M
Timeframe	2011 – 2015
Objective	An economically prosperous, socially just and environmentally sound Mekong River Basin responsive and adapting to the challenges induced by climate change. The goal is a commitment to poverty reduction, gender responsiveness and ecological sustainability in adapting to climate change.
Progress	

Project/Initiative	Supporting to Climate Change Adaptation and Resilience Using Micro Watershed Approaches
Donor/Partners	FAO, GEF-LDCF
Executive Agency	FAO
Budget (grant)	USD 5.00 M
Timeframe	2010 – 2014
Objective	To build adaptive capacity of rural communities and reduce their vulnerability to climate change and variability through integrated micro watershed management and climate resilient agriculture practices to ensure food security in Cambodia
Progress	PIF and FPG Approved

# Thank You !

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CAMBODIA CLIMATE CHANGE ALLIANCE

