

**Impact of Climate Change to Development and
Adaptation Challenges, Lao PDR
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Outline

- **Background information.**
- **Impact of Climate Change.**
- **Adaptation Overview, Challenges and Future Direction.**
- **CDM status in Lao PDR.**
- **REDD status in Lao PDR.**
- **Disaster Risk Reduction.**
- **Mainstreaming.**

Background information

- **Lao PDR ratified to the UNFCCC 1995 and Kyoto Protocol 2003.**
- **Water Resources and Environment Administration (WREA) is the UNFCCC focal point and the CDM-DNA.**
- **Submitted NAPA to UNFCCC May 2009.**
- **Strategy on Climate Change Lao PDR approved in March 2010.**

Climate Change Impacts on Lao PDR



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Climate Change Impacts on Lao PDR (Cont)

- **Changing weather patterns**
 - Causing Changes in surface temperature and rainfall patterns.
- **Longer dry season**
- **More frequent droughts**
 - Causing rivers, streams, lakes and ponds to dry up at a faster than normal rate.
- **Increase in extreme floods**
 - Extreme flood years seem to have been more common after 1986.

Climate Change Impacts on Lao PDR (Cont)

- **Lao PDR is one of most climate change vulnerable countries in the Region due to:**
 - High dependency on climate sensitive natural resources
 - Low adaptive capacity
 - Agricultural sector dependent on land and climate resources (rainfall, temperature)
- **Flood and drought destroy tens of thousands of hectares of agricultural crops each year.**

(In 2005) 57.000 hectares were destroy by flooding and drought.

Adaptation Overview

- **Lao PDR started prepare NAPA in October 2004.**
- **NAPA is focusing on 4 sectors:**
 - Agriculture
 - Forestry
 - Water Resources
 - Public Health
- **Priority projects**
 - 45 projects, 12 clasified as urgent and immediate
 - Total costs: 85 Million US\$

Adaptation Challenges

- **Limited national experts on the adaptation**
- **Limited financing**
- **Limited adaptive capacity as LDC**
- **Need more strengthening of coordination among line agencies...**

Future Direction

- **The plan for full implementation of NAPA**
 - Under consideration
 - One follow-up project initial started (Agriculture)
- **Vision for updating/revising NAPA**
 - Regarding on as appropriate
- **Decree of integration of NAPA in to National Processes**
 - Strategy on Climate Change of Lao PDR
- **Integration of NAPA in to Regional efforts**
 - MRC
 - ASEAN...

Current CDM status in Lao PDR

Summary of CDM Projects (as of 5 Feb 2010)

Type of project	Total
Afforestation & reforestation	2
Biomass	1
Energy efficiency	1
Hydro power	5
Total	9

Basic Information (as of 5 Feb 2010)

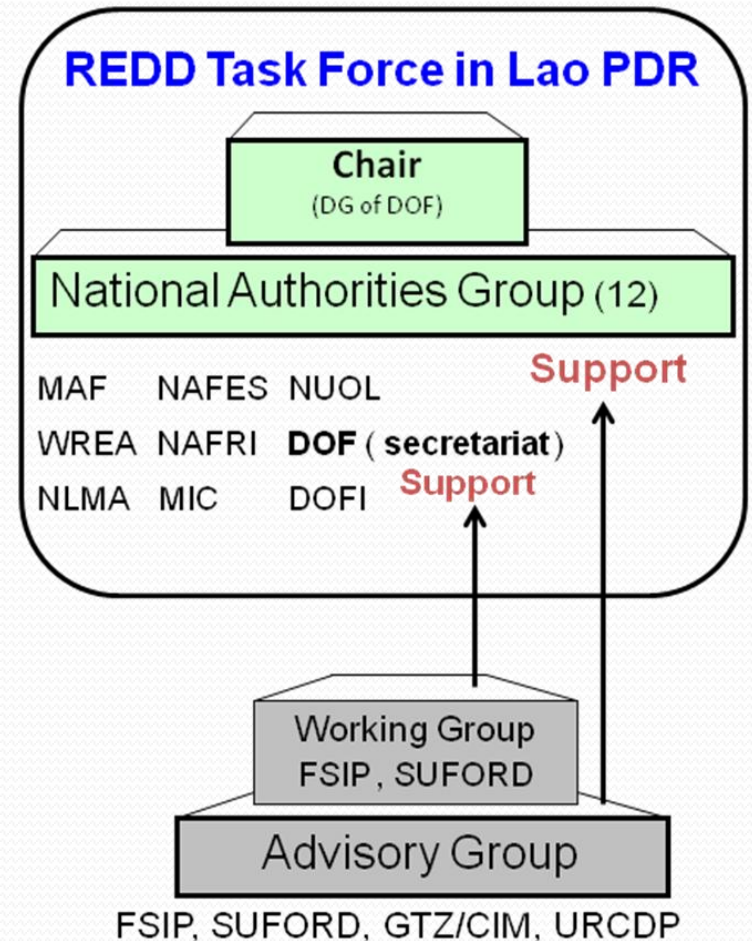
Project Status	Num.
CDM projects registered at CDM executive board	1
CDM projects approved by Lao PDR's DNA	2
CDM projects at or after the validation stage	2

Current CDM status in Lao PDR (Cont)

Name of CDM Project	Project Proponent	Project Developer	Submit PIN (DD/MM/YY)	Issue Letter of Non-Objection (DD/MM/YY)	Submit PDD (DD/MM/YY)	Issue Letter of Approval (DD/MM/YY)	Registered to UNFCCC (DD/MM/YY)
Energy Efficiency Improvement Project at a Beer Brewery in Lao PDR	Lao Brewery Co., Ltd.	Proact International Inc.	---	---	22/05/06	18/01/07	08/08/08
XesetII Hydropower Project	EDL	Earth systems lao	---	---	21/08/08	01/07/09	
Nam Ngone Hydropower Project	Nam Nhone HPC Ltd.	Earth systems lao	01/03/07	June 2007			
Rubber Base Agro-forest System for Sustainable Development and Poverty Reduction	Lao Thai Hua Rubber Co., Ltd.	Lao Thai Hua Rubber Co., Ltd.	26/08/08	30/09/08	18/09/09	18/05/2010	
Nam Sim Hydropower Project	ECI	Nor power as	18/03/09	13/05/09			
Tad Salen Hydropower Project	Tad Salen Power Co., Ltd	Tad Salen Power Co., Ltd	08/05/09	26/06/09			
Nam TheunI Hydropower Project	GAMUDA BERHAD	GAMUDA BERHAD	15/01/09	03/03/09			
Jatropha Base Agro-forest System and Biodiesel Production for Sustainable Development and Poverty Reduction	Lao Agro-Promotion Co., Ltd.	Lao Agro-Promotion Co., Ltd.	25/06/09	12/07/09			
Total			6	6	3	2	1

REDD status in Lao PDR

- **Set up National REDD Task Force**
- **Develop Readiness Preparation Proposal**
 - will submit, August 2010 (WB)
- **REDD Pilot Projects:**
 - **GTZ/KfW: National Conservation Forest**
 - **Finland: Sustainable Production Forest Management**
 - **Japan (Jica): Participatory Community Forest Management**



Disaster Risk Reduction

- **National Disaster Committee Management**
 - Chair by Deputy Prime Minister.
 - Vice Chair and Committee by line Ministries.
- **National Disaster Management Office**
 - Under Ministry of Labour and Social Welfare.
- **Strategy Disaster Risk Management (2003-2020)**

Mainstreaming

- **Climate Change Strategy recently approved.**
- **Mainstreaming climate change into 7th NSEDP 2011-2015.**

Thank you for your attention

