

A sunset scene over a body of water. The sun is low on the horizon, creating a bright orange and yellow glow. A small boat with two people is visible in the middle ground, silhouetted against the bright light. The water reflects the sun's light, creating a shimmering path.

**IGES New Market Mechanism
Capacity Building – Osaka General Meeting**

CDM IN MYANMAR

**Myanmar Delegation
Ministry of Environmental Conservation and Forestry**

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INTRODUCTION



REPUBLIC OF THE UNION OF MYANMAR

- TOTAL LAND AREA = 676,577 KM²

- SHARING BORDERS WITH ;

- BANGLADESH & INDIA = NORTH-WEST
- CHINA = NORTH-EAST
- LAOS = EAST
- THAILAND = SOUTH-EAST

- 46.9% forest cover

- 2/3 of the country is mountainous

- A Dry Zone in central of the country

- COASTAL STRIP = 2832 KM FACING TO THE BAY OF BENGAL AND ANDAMAN SEA.

- ABOUT 60 MILLION PEOPLE WITH AN AVERAGE GROWTH RATE OF 1.52 % PER ANNUM.

RELATED POLICIES TO CDM IMPLEMENTATION

- ✚ **The National Environment Policy of Myanmar (1994)**
- ✚ **Myanmar Agenda – 21 (1994)**
- ✚ **Sustainable development Strategy (2009)**
- ✚ **Environmental Conservation Law (2012)**
- ✚ **Forest Policy (1995)**
- ✚ **Energy Policy**

ENERGY POLICY (MINISTRY OF ENERGY)

- ✚ **To maintain the Status of Energy Independence**
- ✚ **To promote wider use of New and Renewable Sources of Energy**
- ✚ **To promote Energy Efficiency and Conservation**
- ✚ **To promote use of Alternative Fuels in household**
- ✚ **To implement effective utilization of discovered crude oil and natural gas resources in the interest of the entire nation including the regions where the discovery was made**
- ✚ **To promote more private participation**

CDM IN MYANMAR : BACKGROUND

- ✦ **The government of Myanmar signed UNFCCC on 11 June 1992 and ratified the convention on 25 November 1994.**
- ✦ **Myanmar ratified Kyoto Protocol in 2003 as a non-Annex I party.**
- ✦ **Myanmar implemented ALGAS project which assessed the baseline GHG emissions in energy, forestry and land-use change, and agriculture sectors setting 1990 as a base year.**
- ✦ **Initial National Communication (INC) project, which quantified GHG emissions of the country based on year 2000, was implemented.**
- ✦ **Second National Communication (SNC) is being prepared.**

INSTITUTIONAL FRAMEWORK ; Org. Chart.

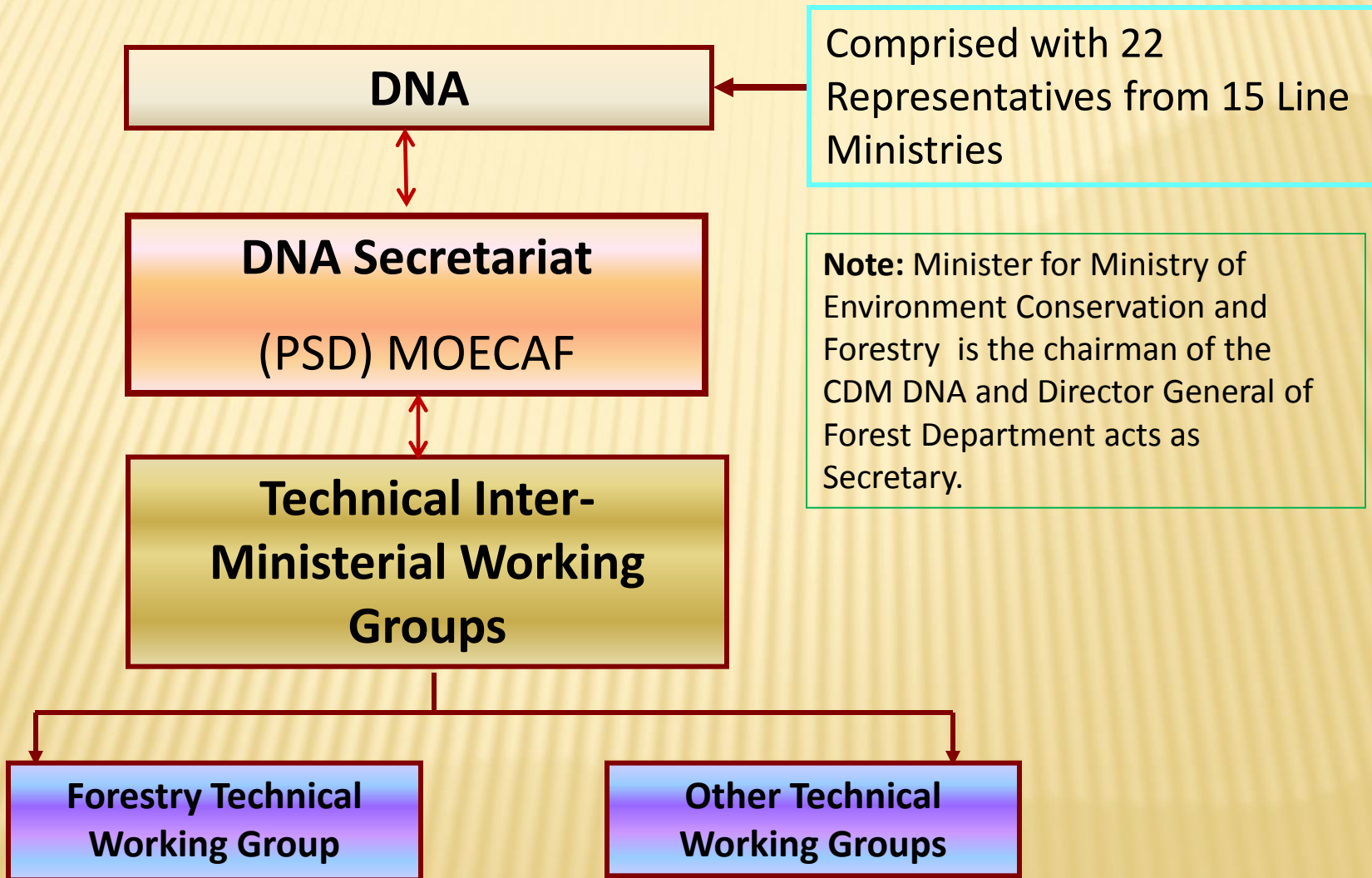


CDM IN MYANMAR : DNA

- ✦ DNA of Myanmar was established in 2006 in order to approve the proposed CDM projects and to provide information on CDM projects.
- ✦ DNA comprised of 22 members from 15 government line-ministries
 - ✦ **Chairman:** Minister for Ministry of Environmental Conservation and Forestry
 - ✦ **Secretary:** The DG of FD
 - ✦ **Members :** DG's from concerned departments.
- ✦ DNA of Myanmar requires PIN, PDD and EIA documents from project developers for letter of approval / letter of no objection.
- ✦ Considers four well beings:
Economic, Social, Environmental and Technical
- ✦ For EIA, Myanmar follows ADB guidelines for EIA.
- ✦ Detail procedures has yet to be set but submitted document is subject to be observed through a series of meetings and discussions among DNA members.

CDM INSTITUTIONAL ARRANGEMENT

DNA STRUCTURE

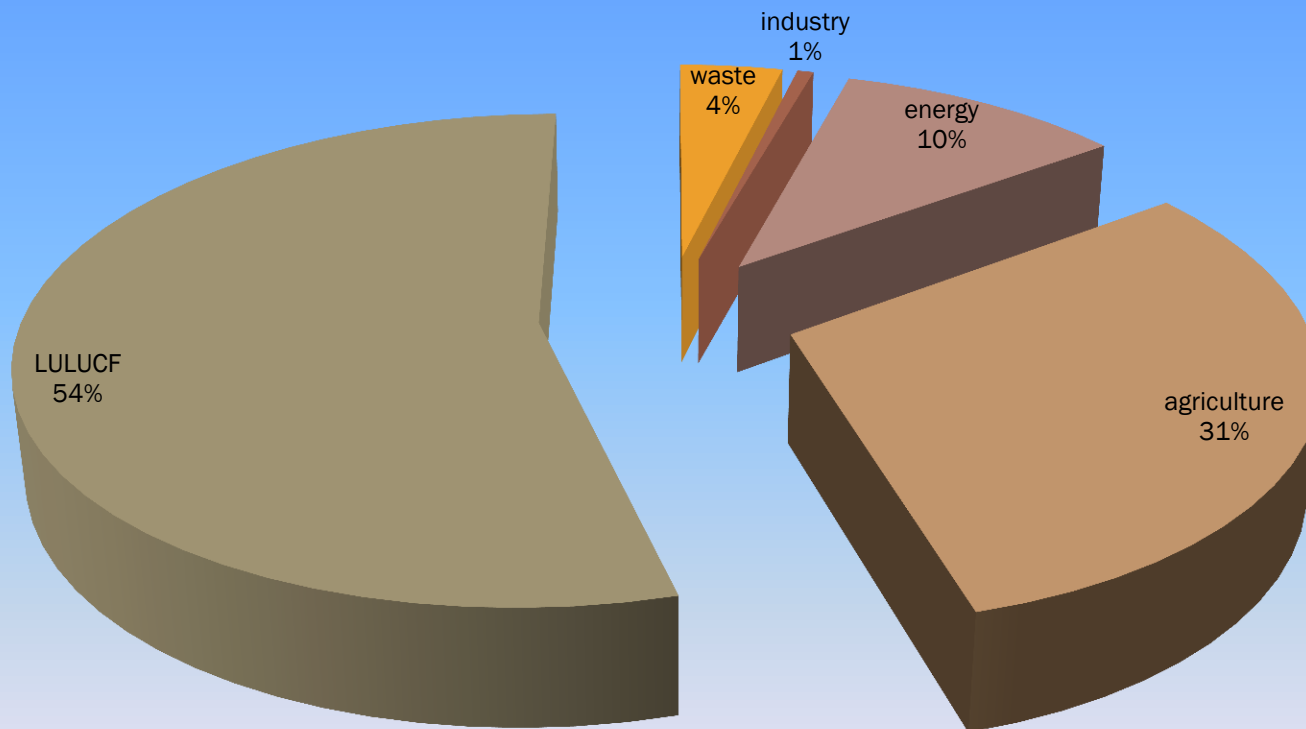


CDM IN MYANMAR : DNA AND IT'S ACTIVITIES

- ✚ **Capacity Building workshops/trainings**
- ✚ **Seminars by foreign investors/ technicians**
- ✚ **Trainings abroad**
- ✚ **Pilot CDM projects**
- ✚ **CDM awareness raising seminars/workshops**
- ✚ **REDD and REDD+ readiness activities**
- ✚ **Biomass studies in forestry sector**
- ✚ **GHG inventory studies and projects**

GHG EMISSION IN THE COUNTRY

Share of GHG Emission by Sector (2000)



Net emission - 67,821 (1000 ton CO₂)

GHG EMISSION IN THE COUNTRY

1,000 ton - CO₂

Source/sink	CO ₂ Removal	Total GHG Emission	GHG Net Emission
Energy		786	786
Industrial		463	463
Agri./Livestock		22843	22843
LULUCF	142,221	40405	-101,817
Waste		2826	2826
Total	142221	74401	-67,821

CDM : POTENTIAL SECTORS IN MYANMAR

- ✦ **Non-renewable energy project activities** : Fuel switching from coal or fuel oil to natural gas; Replacement of fossil fuel with alternative fuels by biomass such as rice husk, palm kernel shell, agricultural residues, etc.
- ✦ **Renewable energy project activities** : solar energy, wind power, hydro - electric power plant, geothermal, biogas and biomass.
- ✦ **Waste handling and disposal**: Landfill CDM projects have now high potential in this sector.
- ✦ **Transport**: Substitution of fossil fuel with bio-fuels and natural gas fuels.
- ✦ **Agriculture**: Methane production avoidance from biomass decay; gas recovery and utilization projects in livestock breeding; etc.
- ✦ **Afforestation and reforestation**: afforestation and reforestation activities, agroforestry programs; etc.

DEFINITION OF FOREST

- ✚ **The eligibility of lands for Afforestation and Reforestation CDM**
 - A single minimum tree crown cover 10%
 - A single minimum land area 0.1 ha
 - A single minimum tree height 2 m
- ✚ **Forest Cover Myanmar 46.7% of Total Land Area**

CDM RELATED SUPPORTS RECEIVED

- ✚ A limited capacity building and technology transfer on CDM have been received through workshop, training and seminars by a number of organizations
 - ❑ UNDP
 - ❑ UNEP
 - ❑ JICA
 - ❑ CDM EB of UNFCCC
 - ❑ IGES
 - ❑ ADB
 - ❑ ITTO
 - ❑ JIFPRO

CONSTRAINTS

- ✦ There is no proper organizational set up for tackling climate change mitigation and adaptation activities
- ✦ Yet to develop proper and clear-cut country specific CDM development procedures and guidelines
- ✦ Limited knowledge on CDM Project development in all levels: Policy makers, business, finance and legal institutions in the country
- ✦ Limited financial support to conduct research and study on potential projects that can be developed for CDM
- ✦ Investment and finance are limited in the country for CDM development

WAY FORWARDS

- ✦ Re-organization of the DNA of Myanmar to promote CDM
- ✦ Conducting a comprehensive assessment to identify and prioritize CDM projects
- ✦ Establishment of efficient regulatory structure with clear rules and timelines for project approval and implementation
- ✦ Construction of a CDM information database and system
- ✦ Building capacity of CDM related stakeholders in cooperation with international organizations
- ✦ Promoting multilateral and bilateral cooperation with international organizations to initiate a domestic market mechanism

A nighttime photograph of the Shwedagon Pagoda in Yangon, Myanmar. The pagoda is the central focus, brilliantly lit with golden lights that create a strong glow against the dark night sky. Its tiered structure is clearly visible, and the top spire is also illuminated. In the background, other smaller pagodas and city lights are visible, also glowing. The foreground shows a dark body of water, likely the Shwepyithar Lake, which reflects the golden lights of the pagoda and the surrounding city. The overall scene is serene and majestic.

Thank you for your kind attention

Shwedagon Pagoda, National Landmark of Yangon City