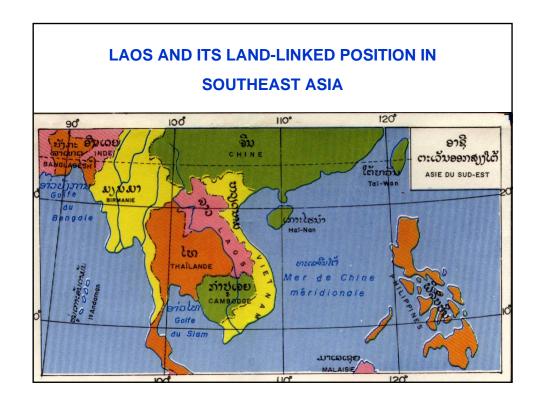


Introduction

- Country Profile
- Natural and Man-made Disaster in Lao PDR
- Disaster and the Impacts
- Disaster Management in Lao PDR



Country Profile

- 16 provinces, 1 municipality and one special zone
- Capital City Vientiane
- Land area of 236,800 sq. km.
- Arable land 4 %
- Covered by forest 46%
- Mountainous 70 %

Climate and Weather:

- Northeast monsoon affects mid Oct to mid Apr, it's dry period with low humidity and temperature.
- Southwest monsoon affects mid May to mid Oct, heavy rainfall and high humidity.
- •Short drought period about two weeks, Jun Jul.
- •Annual rainfall ranges from 1,400 3,500 mm.
- •Annual average minimum Humidity 65%, and maximum 95%.

Demography

- Population of 5,777,180 million (2002 est)
- 50.58%:Female and 49.42 %Male
- Average annual growth rate of 2.5%
- 47 ethnic groups
- Rural Population 85%
- Birth rate: 36.9/1,000 population
- Death rate: 12.71/1,000 population
- Infant mortality rate: 88.9/1,000 live birth
- Population density 20 persons per Km2

Social Development Indicators

- Population living below poverty line 40 %
- Life Expectancy 53.88 yrs.
- Female: 55.87 yrs; Male: 51.95 yrs
- Adult Literacy Rate
 57 %

Profile of Economic

* Economic Indicator:

Real GDP Growth Rate 5% (2001 est.)

GDP Per Capita US\$ 320

Exports US\$ 325 million

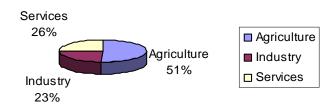
Imports US\$ 540 million

Sector-wise Composition of Economy

• Agriculture: 50.9 % of GDP

• Industry: 23.4 % of GDP

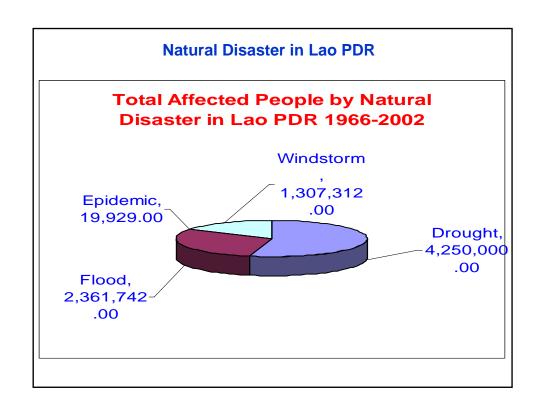
• Services: 25.7% of GDP (2001 est.)

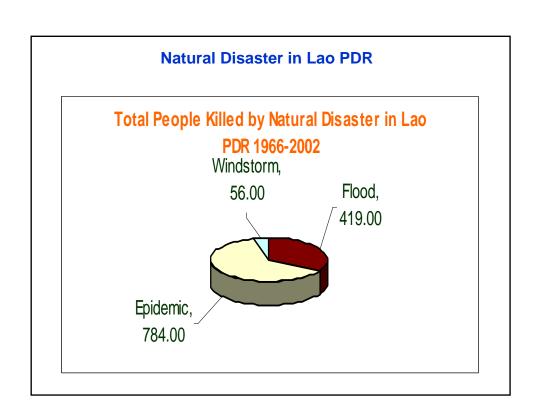


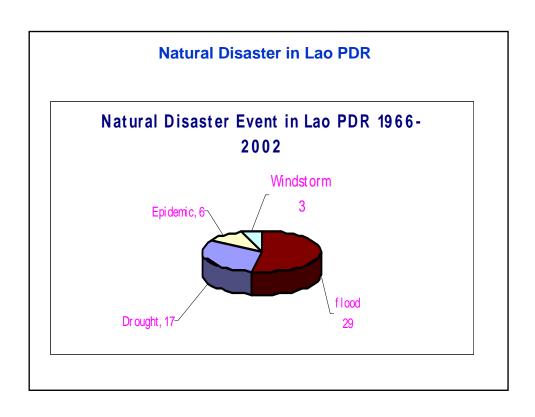
Hazards and Disasters in Laos

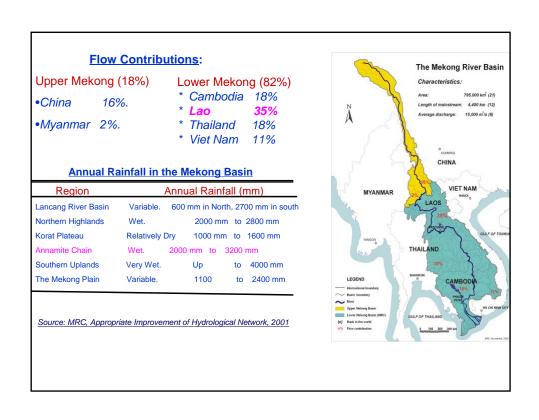
- Natural Disaster:
 - Flood
 - Drought
 - Windstorm
 - Landslide
 - Epidemic
 - Pest
- Man-made
 - UXO
 - Fire
 - Road Accidents

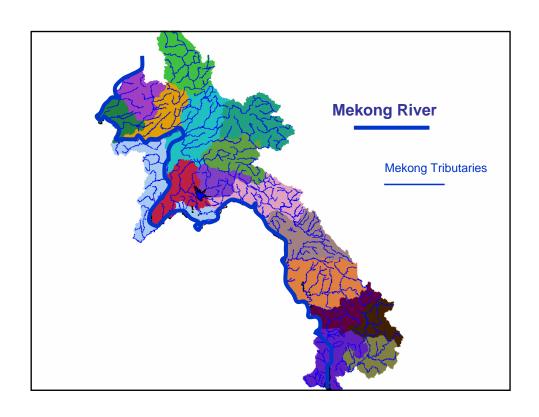








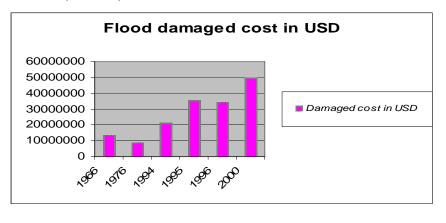


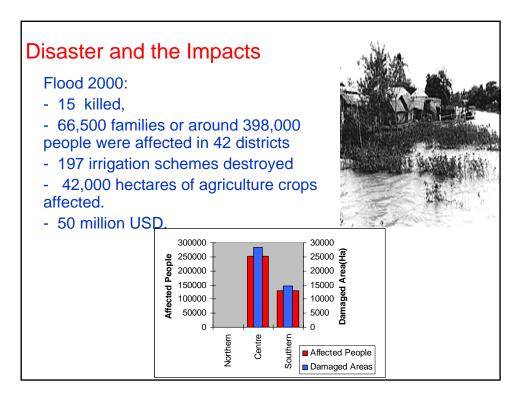




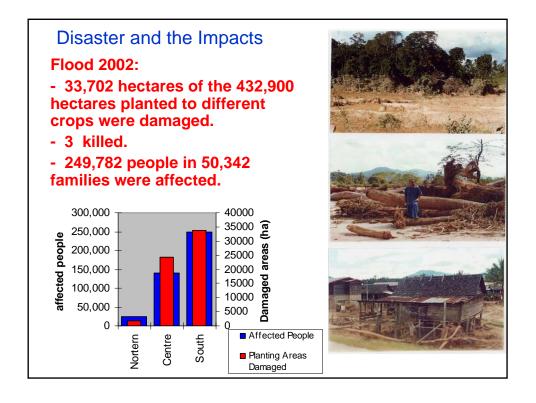
Disaster and the Impacts

1966 – 2002, flood occurred 29 times, with severe damaged cost in 1966,1976, 1978, 1994, 1995, 1996 and 2000.





Disaster and the Impacts Flood 2001: - 9 provinces were affected. - 42,612 families or around 244,050 persons were affected. - 42,223 hectares of 411,030 hectares in planting areas were damaged. 150000 affected people 100000 15000 is 10000 pg 5000 qu 0 50000 0 Centre ■ Affected People ■ Damaged Areas



Disaster and the Impacts

- Drought:
 - The effects of drought particularly severe in 1977, 1988 and 1989.

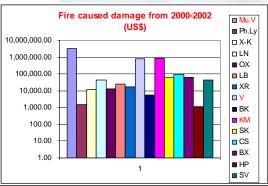




Disaster and the Impacts

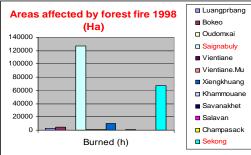
- Fires: (urban)
 - Other disasters include
 Fires that occur in some of
 the major cities and cause
 extensive damage due to
 the lack of sufficient fire
 fighting equipment
 - From 2000-2002, fire caused damaged of 5,402,695 USD.





Disaster and the Impacts

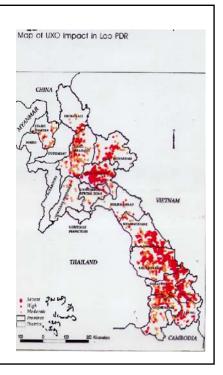
- Fires: (forest)
 - Beside the urban fire, there is wild fires on forest sources cause from people activities, slash and burn for cultivation in upland and lowland.
 - 134,995 hectares were burned by forest fire in 1998 in whole country.



Disaster and the Impacts

Unexploded Ordnance:

- UXO is a legacy of the Indochina war in 1960's and early 1970's.
- More than 2 million tons of ordnance dropped over the Lao PDR
- 30% of this did not detonate on impact.
- 2001, 35 people were killed and 87 people were injured by UXO.



Why Lao PDR is Disaster Prone Country?

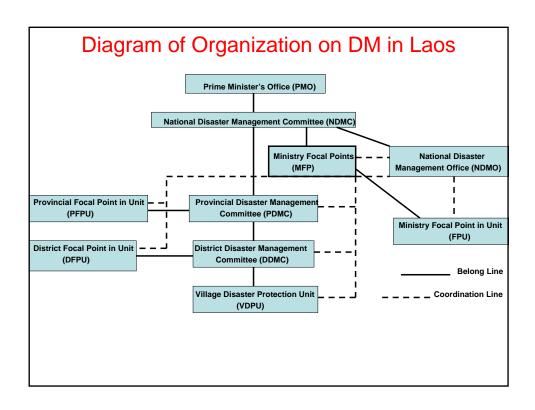
The main problems to be consider on cause of disaster:

- Environment degradation and deforestation.
- Inappropriate development.
- Lack of Resources to Implement Strategic plans.
- Lack of equipment and sources.
- Lack of effective early warning and information management systems.

Disaster Management Organization In Lao PDR

Disaster Management Programs in Lao PDR

- After 1975, Activities of Govt.'s Relief Programs.
- 1993, coordinate relief and mitigation activities with NGO partners.
- In 1995, MLSW was established Risk Management.
- After 1996 flood, an ad-hoc committee was set up emergency response.
- Natural Disaster Preparedness as key rural development (CSN) 1996-2000).
- Disaster and emergency relief to_disaster preparedness.
- Within the MLSW, NDMO with supported of UNDP, took responsibility in 1997 for the <u>formulation of the Govt. policy</u> on DM.
- NDMC was established, Landmark Decree No. 158/PM., and NDMO functions as the secretariat of the NDMC.



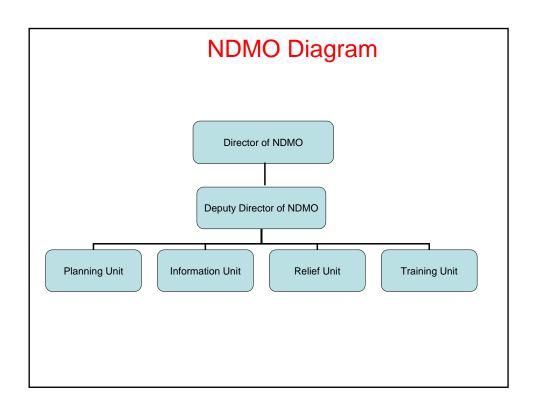
National Disaster Management Committee

• The NDMC consisting of representative from 13 key ministries:

Minister of MLSW	Chairman
Vice-Minister of MAF	Vice-Chairman
Chief of Cabinet of MFA	Vice-Chairman
Chief of Cabinet of MOD	Member
Chief of Cabinet of MOI	Member
Chief of Cabinet of MOE	Member
Director of Budget Dept. MOF	Member
• Director of Transport Dept. MCTPC	Member
Director of Industry Dept. MIH	Member
Director of Hygiene Dept. MOH	Member
• Director of Mass Media Dept. MIC	Member
• Director of Social Welfare Dept. ML	SW Member
Chairman of Lao Red Cross	Member

Role of NDMC

- Implement policy and decision on interministerial basis.
- Develop policies, national DM plan, provide overall direction for provincial and district plans.
- Responsible for major operational decisions during <u>emergency</u>.



Role of NDMO

- Promoting disaster mitigation, preparedness activities at local level.
- Implementing public awareness activities (include projects).
- Providing training, guidelines and plans to make disaster risk management more effective.

National Disaster Management Plan

National Strategic Plan on disaster management is broken down into periods as:

- 2001 to 2005
- 2005 to 2010
- 2010 to 2020

Goals of NAP on DM 2003-2005

- Establish DDMC in 80% of total district.
- Establishment of focal point and identify contact person on DM.
- Organization of effective early warning systems.
- Organize 4 training courses on DM in each year.
- Establishment of rescue team and quick response team within Municipality and Provincial level by using of army, police, students and volunteer s at local level.
- Produce Natural Hazard Maps.

ありがとうございます



Kob Chai