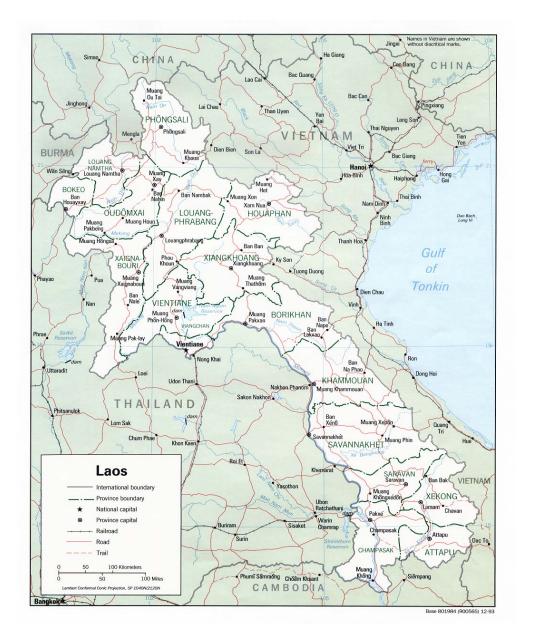
6th Joint Project Team Meeting of Sentinel Asia STEP -3 (JPTM 2018 Awaji), 1st & 2nd November, 2018

Disaster Risk Management in Lao PDR

Present by: Mr. Vilayphong SISOMVANG Acting Director General, Social Welfare Department Ministry of Labour and Social Welfare Secretariat of National Disaster Prevention and Control Committee, Lao PDR

Country overview



Landlocked country

Three geographical regions: Northern, Central and Southern

Population of est 6,400,000 (2015)

Area of 236,800 square Km; 70% mountainous areas 30% lowland (Population concentrated & economically active areas)

- Elevation of meteorological

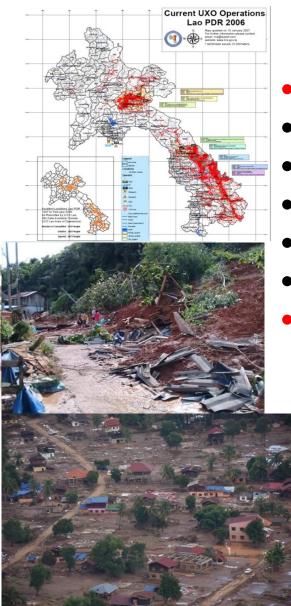
stations: 73->1000m msl.

80% of population depends on the subsistence farming

MEKONG River Length:1.865 km (flow through Laos southwards)

There are 13 major tributaries

Hazards and Disaster in Lao PDR

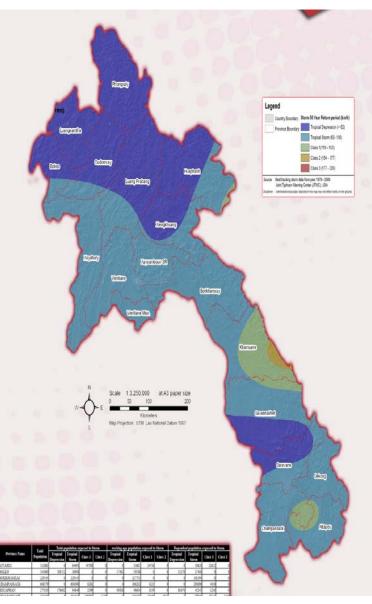


Flood

- Drought
- Storm
- Earthquake
- Epidemic
- UXO
 - Landslide

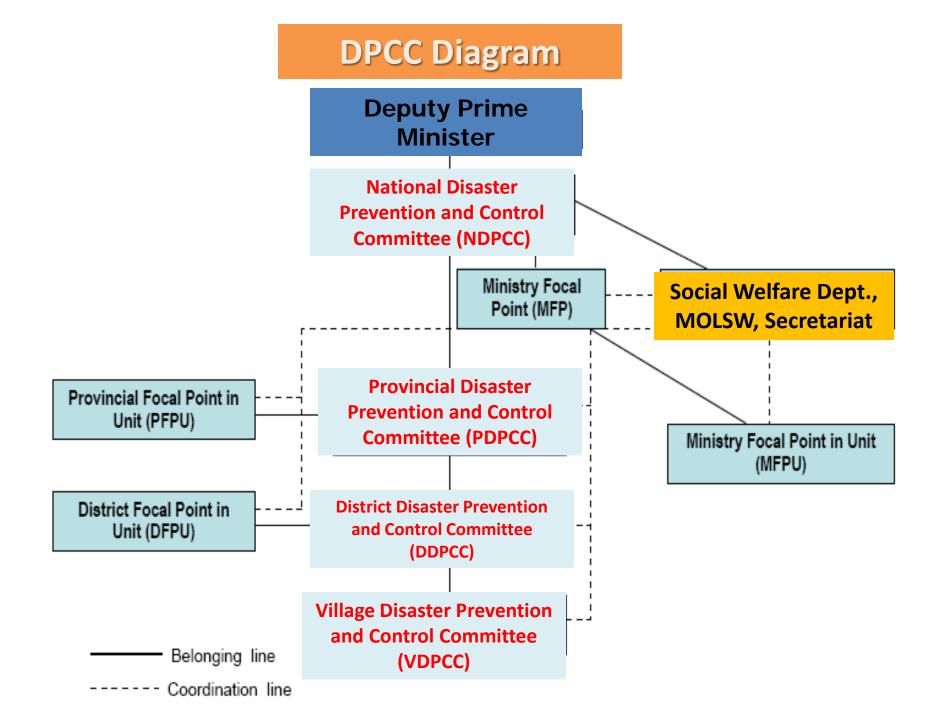




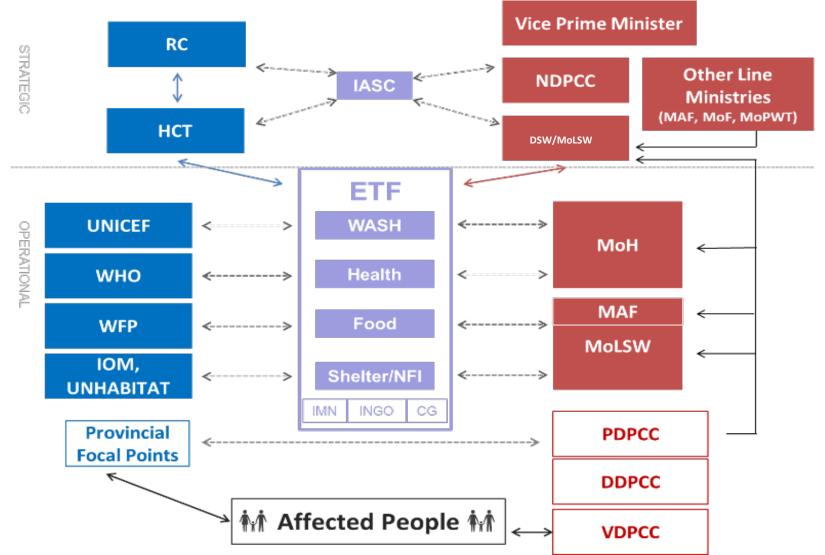


Disaster Risk Management Policy and Framework

- Prime Minister Decree on Establishment of National Disaster Prevention and Control Committee No. 75/PM, dated 28 February 2018
- National Disaster Risk Strategic Plan 2003-2020
- Vision 2030 and National Strategy for Social Economic Development 10 years (2016-2025)
- National Social Economic Development Plan 2016-2020

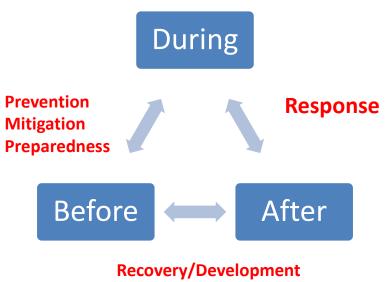


Institutional Arrangements



General concept of disaster risk management (DRM) Disaster Risk Management –What and Who?

Disaster risk management includes administrative decisions and operational activities that involve:



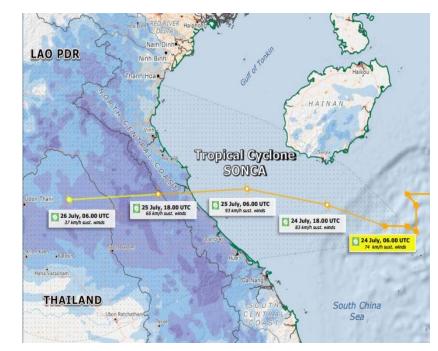


- Non-governmental, community-based organizations and private sector play a vital role in the process
- Communities themselves are first responders

Typhoon Alert and Warning



Forecast track of Tropical Storm Maring as of September 12, 11 pm. Image courtesy of PAGASA



Early Warning Dissemination at community level









NAME

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Lao National EOC

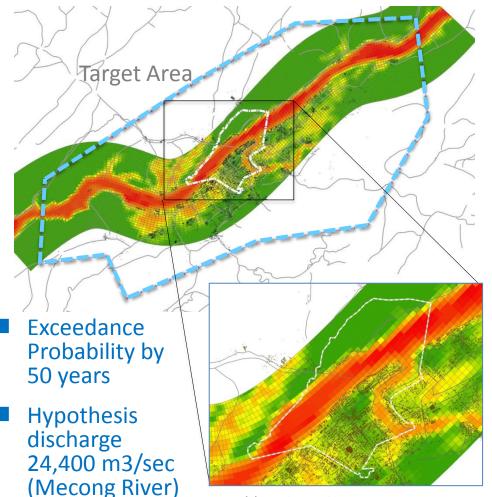
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Sharing information through AHA Centre: - SASOP

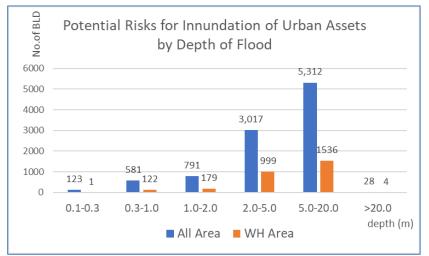
- Web EOC

1) Flood Probability Analysis



World Heritage Site

2) Urban Assets in Flood Risk



- Total building in inundation risk: 9,646 buildings (85% out of total 11,309 blds.)
- Buidings in the World Heritage site:
 2,840 buildings (29 % out of probable inundation buildings)



Project Title: Disaster risk reduction by integrating climate change projection into flood and landslide risk assessment (follow up project)

Sectoral Committee/Main Body: ASEAN Committee on Disaster Management (ACDM)/ACDM Working Group on Prevention & Mitigation (WG P&M) ASEAN Senior Officials on the Environment (ASOEN)/Working Group on Climate Change (AWGCC) Project Area: All 10 ASEAN countries Project Duration: 1.5+ years (20 months: September 2018 – April 2020)

Overall Objective	• Support and improve the DRR systems in the region and reduce the uncertainty of climate-related disasters
Objectives	 Establish a monitoring system of DRR and CCA integration progress in each ASEAN Member States; Demonstrate the integration of climate projections into flood and landslide risk assessment and risk mapping through implementing pilot projects in four selected river basins in two countries; Develop guidelines and training modules for integrating climate projections into flood and landslide risk assessment
Outputs	 Synthesized regional report on effective implementation of DRR and CCA Activity 1.1. Gather/Review the submitted Annual Progress Report of the Work Plan for DRR/CCA Integration from each AMS; synthesize Regional Report for WG P&M Activity 1.2 Gather Annual Progress Report from national focal points and seek confirmation of content Activity 1.3 Upload key progress to project website
	 Flood and landslide risk maps integrating future climate projections Activity 2.1 Select pilot project sites and agree on project framework, management structure and implementation plan at the Inception Seminar Activity 2.2 Conduct baseline survey on flood and landslide risk assessment and capacity needs assessment, field survey and on-site training in selected pilot project sites Activity 2.3 Conduct inception training and case visits showcasing best practice for flood and landslide risk management
	 Guidelines and training modules for integrating climate change risk into flood and landslide risk assessment Activity 3.1 Develop guidelines and training modules for flood and landslide risk assessment and risk mapping with incorporation of climate change projection Activity 3.2 Final Seminar to present project findings and discuss follow up project Activity 3.3 Disseminate all project findings/information and upload to project website

Current Disaster and Emergency Response in Lao PDR

Flood impacts FY 2018

- 18 provinces
- 124 districts
- 2.382 villages
- 126.736 households, 616.145 people, 58 dead, 32 missing, around 7.615 people were evacuated and living in the temporary shelters, and will continue 2-3 years until their new houses were constructed.









The damage at Vat Ban Hinlad (1), Sanamxay District, Attapeu Province. Photo credit: Souvanhnikone Phatanh



Damaged school building and equipment at Sanamxay, Attapue. Photo credit: Save the Children International staff

Social Sector



Ruins of affected houses in Sanamxay District. ©UN-HABITAT



Superheros of Laos – Children are stuying in a partially damaged building with hazardous structural damages in Savanakhet. Photo credit: Tara I.M., Plan International Australia.

Infrastructure Sector



Example of damaged distribution grids



Bridge on R3 (Photo on 6 October 2018)

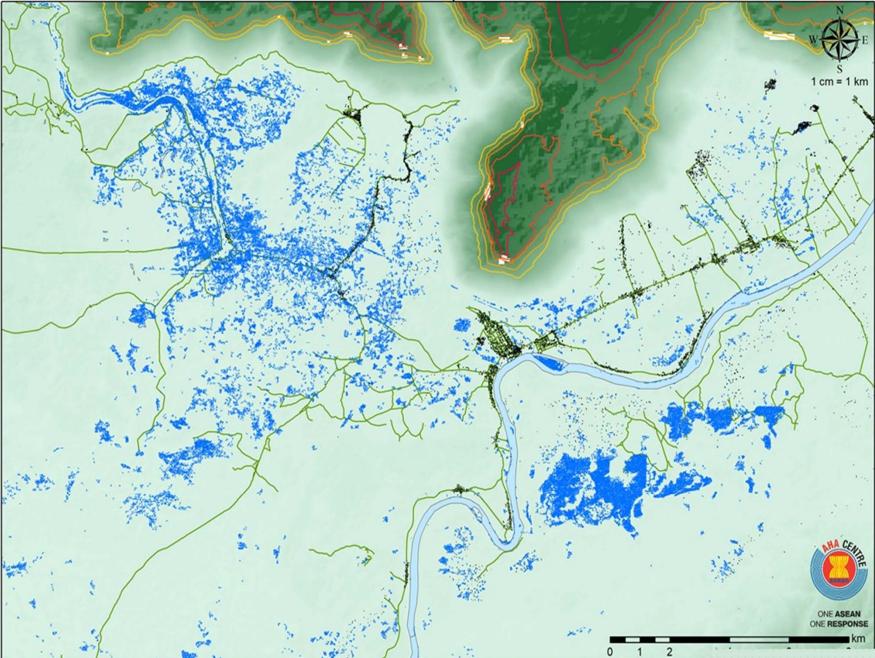




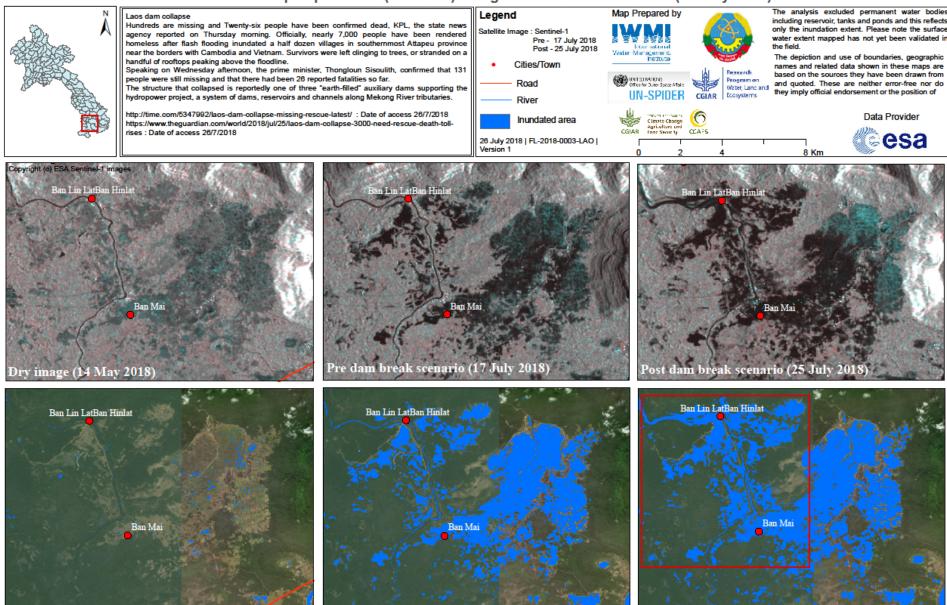
Damage on mainline distribution network of Nam Papa in Ngoy district of Luang Prabang province

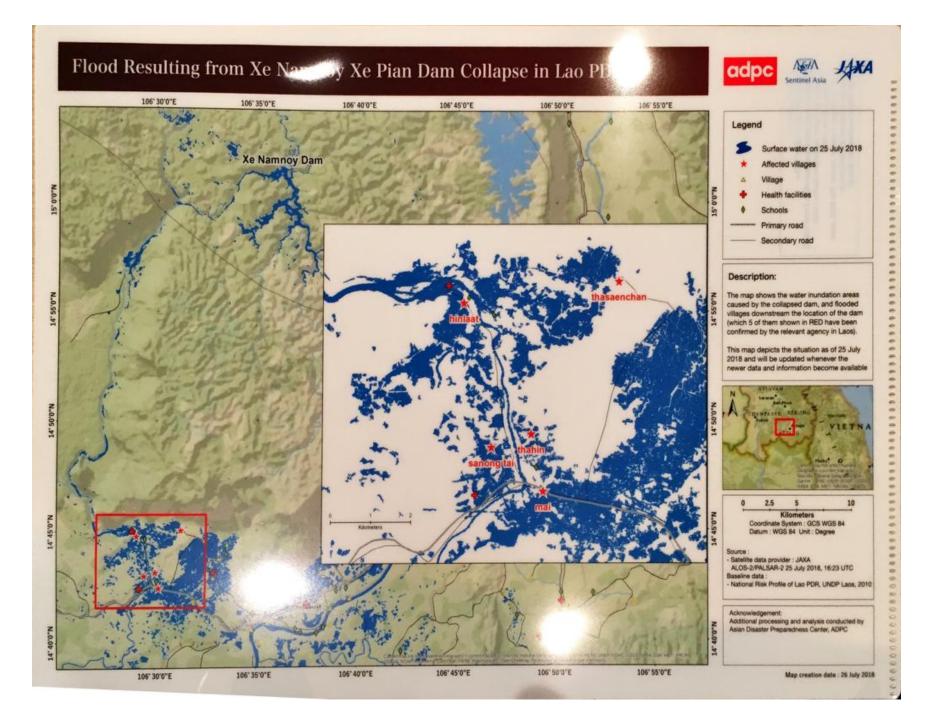
Nam Xeuang Bridge Damaged of approach slab (photo on 5 October 2018)

Flood inundation map for 24 Jul 2018

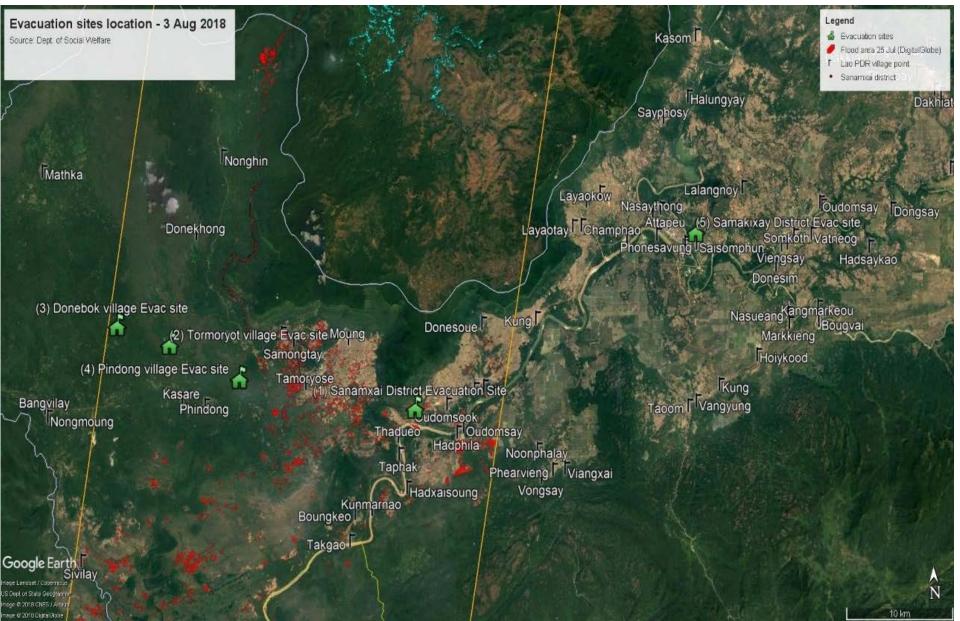


Pre and Post dam break scenario in Attapau province (Lao PDR) using Sentinel-1 Satellite Data (25 July 2018)





Camp location – Evacuation centre



- Declared National Disaster Emergency (Sanamxay District)
- Ad-hoc Disaster Response Committee created
- President, Government leaders and concerned agencies in Adhoc, NDPCC visit and provide assistance to affected family and people





 Social Welfare (Shelter, Warehouse Management, UXO Clearance)











 Ministry of National Defense (SAR, Transportation, Logistic)







 Health and Lao Red Cross (Latrine, Water, Health)









- Education (Child Friendly Spaces, Learning tools)
- Social Protection











Some Good Practices

- Quick action and led by the Government and political people
- Disaster Prevention and Control Committee at local and community are the first response and work very energetic command post established
- Concerned sectors have work very active in the ground and well coordinated each other mainly SAR team from MoD, Medical mobile team, etc...
- Many countries (ASEAN, outside ASEAN and AHA), international organizations, UN agencies, donor agencies, private sector, CSO, individual, etc... give hands and donated
- Affected people are involved and strong participated in emergency response, ex: at emergency shelter

Conclusion

- 1.Build essential DRR capacities and actions to institutionalize them.
- 2.Improve risk and capacity assessment to better target DRR interventions and support rapid analysis and end-too-end early warning.
- 3.Consolidate fragmented disaster units at province / district levels.
- 4.Build support for local level risk management by province and national agencies, led by EOC/MLSW.

Arigato

khop chai lai lai !!!

Khob Jai Lai Lai (Thank you)