DEVELOPING A NATIONAL RISK PROFILE FOR LAO PDR









2nd Quarterly Report (Period July 2010 – September 2010)

Preamble

The Asian Disaster Preparedness Center (ADPC), in collaboration with the Public Work's and Transport Institute (PTI) of Lao PDR has been awarded to deliver Consulting Services for the study of "Developing a National Risk Profile for Lao PDR. The key national partner of project team is the National Disaster Management Office (NDMO), its provincial disaster management offices, as well as other line agencies. The project aims at national level mapping of all hazard prone areas, assessing the exposure to life and properties, potential damages, associated economic impacts and development of comprehensive strategy for disaster risk reduction. The project is scoping to develop geological, hydro-meteorological and manmade risks profile and recommendation for national level disaster risk management. This progress report is submitted by ADPC to the UNDP and NDMO to highlight the issues and progress in the project execution as a part of the project deliverables.

I. 1st Quarterly (March – June 2010)

Under the project, following activities have been carried out during the first quarter period March – June 2010:

- Meeting with Project Partners.
- Introductory Workshop (9th March 2010)
- Inception Report Submission
- Data Collection Activities
- Preliminary outcome during the 1st quarter period

The details of the activities are addressed in first quarterly report, which was submitted in first week of July 2010.

II. 2st Quarterly (July – September 2010)

2.1. Pre-2nd Consultation Meeting with UNDP and NDMO

The meeting was held on 14 July 2010 at NDMO office, Vientiane. The meeting was attended by Ms. Chikako(UNDP), Ms. Viratsamay(UNDP), Vilayphong (NDMO), Mr. Thanongdeth(ADPC), Dr. Amit Kumar(ADPC) and Ms. Dewi (ADPC). Project related issues and challenges were discussed in detail. Few of the issues were related to delay in data delivery, and cost of data purchase. Since there are delays in collection of data, it was requested to extend of project completion on no-cost extension basis. UNDP and NDMO kindly agreed to extend the date of final delivery of project components to November 2010. NDMO further expressed the need for capacity building of national stakeholders for risk assessment and DRR planning. NDMO suggested to develop final report in Lao language for wider circulation. UNDP agreed to provide necessary support for translation in Lao language.



Pre-consultation meeting 14 July 2010

2.2. Second Consultation Meeting

Since the first introductory workshop conducted on 9th March 2010, ADPC project team has been in constant touch with various nodal agencies suggested by NDMO for risk profiling. In close collaboration with NDMO and PTI, a 2nd consultation meeting was held in PTI office, Vientiane, on 15th July 2010, which invited technical representatives from line agencies. There were 26 participants representing from various nodal government agencies, UNDP and International NGOs. The objectives of the consultation meetings were: (1) to apprise on the methodology used and progress made (2) to present the hazard mapping of floods, UXO, epidemics, earthquake, landslides;(3)to update the stakeholders/related agencies on the challenges, limitation as well as opportunities in hazard modeling and expected assistance in implementing other future activities. The participants appreciated the efforts taken by the project team and validated the adopted methodology and progress outcomes on hazards mapping. Concluding remarks was made by Mr. Prasith Dethphommatheth, Director General, NDMO, Department of Social Welfare, highlighted the important of the workshop and expressed satisfaction on the progress made.



Consultation meeting 15 July 2010

2.3. Outcome on Hazards Risk Mapping

The project team has finalized hazards maps for Lao PDR at national level. The hazard modeling and mapping have been carried out for earthquake, floods, epidemics, UXO, landslide, drought and storm. The sample maps are presented in last page of this report. The reports are being finalized and will be submitted very soon.

2.4. Exposure, Vulnerability and Risk Assessment

The hazard maps are finalized and the project team is working on exposure, vulnerability and assessment.

Data for various sectors and elements at risk for exposure, vulnerability and risk assessment have been collected and being analyzed. For the same, housing, education, health, transport, industry, tourism, agriculture, mining and other important sectors are considered. Based on hazard maps, the exposure assessment has been carried out.

The team is further developing the methodology for vulnerability and risk assessment. The result will be presented on the 3rd progress report.

2.5. Conclusion

- The project team has finalized hazards mapping for earthquake, floods of five important river basins, epidemics, UXOs, landslides, drought and storm at national scale. The results are validated through 2nd consultative meeting held on 15th July 2010.
- At present, the team is carrying out exposure, vulnerability and risk assessment for stated hazards.
- The revised work plan is enclosed for information and project monitoring

Work plan of the project

No		F	e bru	ıar	y		Ma	rch	T	April			Т	May			T	June				July				August				epte	er		Octo	obe	r	November				
	Activity and subactivity		2	3	4	1	2	3	4	1	2 3	3 4	4	1	2	3 .	4	1	2	3 4	1	1 2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	Inception report													T							T															П		T	T	
1.1	Literature review																1		T		T																	\Box		
1.2	National consultative Meeting											T	T				1		T		Т																	П		
1.3	Stakeholder meetings													T					T		T																	T		
1.4	Submission of inception report											T		T					T		Т																	П	\Box	
2	Hazard scenario Development											Т	T				Т				Т																	П		
2.1	Strategy for data collection																				П																			
2.2	Desk review of available data											Т	П	П							Т																	П	П	
2.3	Collection of socio-economic data and	l disa	aster	eve	ents							Т									Т																			
2.4	Review of existing hazard scenario																																							
2.5	Development of hazard zontaion											Т		П			Т		Т		Т																			
2.6	Identification of most hazard prone ar	ea																																						
2.7	Development of synthesis report																																							
3	Exposure and Vulnerability Asses	sme	ent																																					
3.1	Development of GIS layers																																							
3.2	Development of probable hazard expo	sure																																						
3.3	3.3 Assessment of potential damage and losses																																							
3.4	3.4 Vulnerability assessment for elements at Risk																																							
3.5	3.5 Development of vulnerability assessment																																							
4	Risk Assessment																																							
4.1	Development of risk profile																																							
4.2	4.2 Development of detailed province level mapping of hig							egio	n																															
4.3	Preparation of draft final report																																							
5	Development of the final report																																							
5.1	Identify gaps for DRR																																							
5.2	5.2 Recommendation for prioritizing risk mitigation strateg											I							I																					
5.3 identification of options for improvements																																								
5.4	final report submission											I							T		T																			

Base map and Hazard map

Base map



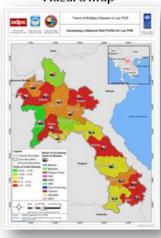
Earthquake Hazard map



Landslide Hazard map



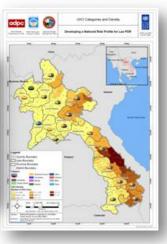
Multiple Disease Hazard map



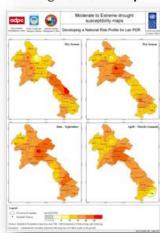
Flood Hazard map



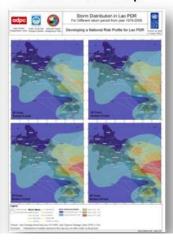
UXO Hazard map



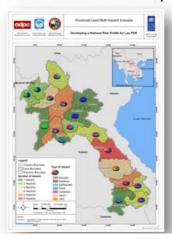
Drought Hazard map



Storm Hazard map



Multi Hazard Scenario map





Asian Disaster Preparedness Center

This report was prepared by team of **DNRP for Lao Project**Urban Disaster Risk Management (UDRM)
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