

2010

Report

2nd Consultation Meeting on Developing National Risk Profile of Lao PDR -15th July 2010



Implemented by ADPC, in collaboration with PTI under overall coordination of National Disaster Management Office, Government of Lao PDR



Funded by UNDP-Lao PDR



Asian Disaster Preparedness Center (ADPC)



01. Background

The Asian Disaster Preparedness Center (ADPC), Bangkok, is implementing the Project “Developing National risk profile of Lao PDR” in partnership with the Public Works and Transport Institute (PTI) under overall coordination of National Disaster Management Office (NDMO), Government of Lao PDR. The project is supported from UNDP-Lao PDR. 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.

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. ADPC project team, under the guidance of NDMO and close cooperation with PTI, has made a good progress in implementing the project activities to date. The project team has carried out hazard modeling for floods, earthquake, landslide, epidemics and UXO and develop a series of hazard maps. In this connection, NDMO along with project team planned to conduct 2nd consultation meeting which invited technical representatives from line agencies.

The objectives of the consultation meetings was:

- 1) To apprise on the methodology used and progress made to date,
- 2) To present the hazard mapping of floods, UXO, epidemics, earthquake, landslides.
- 2) 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.

02. Workshop Program/ Agenda

Agenda of the 2nd Consultation Meeting is enclosed at Annex-1.

03. Participation of Line Agencies

There were 26 participants representing from various nodal government agencies, UNDP and International NGOs. The list of participant is enclosed at Annex-2.

04. Minutes of the Workshop

a. Inauguration

Mr. Prasith Dethphommathep, Director General, NDMO, Department of Social Welfare inaugurated the workshop in presence of Mr. Thenekham Thongbon, Acting Director, Public Works and Transport Institute, Ms. Chikako Kodama, Chief, Crisis Prevention and Recovery Unit, UNDP Lao PDR Country Office, project team members of Asian Disaster Preparedness Center (ADPC), PTI and all national technical experts representing various nodal government agencies.

During the inauguration session, Mr. Dethphommathep expressed his satisfaction on participation of national focal agencies in the meeting and providing all necessary

support for project execution. He appreciated ADPC for their active involvement and participation in overall disaster management activities in Lao PDR. He expressed his commitment to provide all necessary support for the project implementation. He urged government and international non-government agencies to work in collaboration to achieve effective disaster risk reduction. He further highlighted the need for establishing the national risk profile which was a long felt need for Lao PDR.

Mr. Thenekham Thongbon, Acting Director, Public Works and Transport Institute, appreciated active involvement of national and international agencies in this project implementation.. He also ensured all possible support to the nation for disaster risk reduction.

Dr Amit Kumar, Senior Project Manager, ADPC, expressed his sincere gratitude for the active involvement of NDMO, PTI and other agencies for disaster risk reduction, particularly in the Developing National Risk Profile of Lao PDR. He explained the objectives and scope of ongoing project and how the project will help the country to promote safer communities and sustainable development. Ms Chikako Kodama, appreciated the organization of such workshop, which aims to foster the relationship between various nodal agencies and maximize the complementarities towards development of National Risk Profile of Lao PDR. She highlighted the need and the importance to develop the Risk Profile for Lao PDR. She urged all participants to maximize the efforts and contribute towards development of precise national risk profile. The inauguration ceremony summed up with concluding remarks of Ms. Saykham Thammanosouth, Director of Housing and Town Planning Division. She expressed her sincere thanks to all participants and dignitaries present during the inauguration. She requested all participants to be actively involved and fulfill the objectives of the workshop.

b. Special deliberations :

i. Presentation on National Risk Profile of Lao PDR – Project Briefing

Mr. Vilayphong, the Deputy Director, presented the framework for Developing National Risk Profile of Lao PDR. He briefed about the disaster profile of the country, intuitional mechanism for DRR in Lao PDR and current initiatives for risk reduction undertaken in the country in close collaboration with various government and international organizations. He also presented background of the project and objective of the workshop. He ensured all possible support for implementing the project which is important for the country's sustainable development.

ii. Presentation on Adopted Methodology for National Risk Profile of Lao PDR.

Dr Amit Kumar presented the outline of the UNDP funded project on developing national risk profile of Lao PDR. He explained objectives, scope, methodology and expected outcomes of the project. He further explained the

expected result of the project with respect to geological, hydro-meteorological and man made disasters.

iii. Presentation on Hazard Mapping and Validation of Outcomes for National Risk Profile of Lao PDR.

Ms. Dewi presented the methodology for various hazard assessments. In her deliberation, she discussed about the approach for data collected and used, respective data sources and detail methodology used for five hazards mapping, covering landslide, flood, earthquake, epidemics and UXO. She also demonstrated an example of using GIS for landslide hazard mapping in Lao PDR. The session was concluded by Dr Amit Kumar. He explained the methodology used for drought and storm hazard assessment. The session was followed by open sessions. Several clarifications were sought by the participants. The clarification was about precision of hazards mapping, potential application of hazard mappings and data requirement for mapping at local level. Overall, participants appreciated the efforts taken by the project team and validated the adopted methodology and progress outcomes on hazards mapping.

iv. Presentation on Vulnerability and Risk Assessment Methodology for National Risk Profile of Lao PDR.

Dr Amit Kumar presented the vulnerability and risk assessment methodology for national risk profile of Lao PDR. Prior to the presentation, he explained about the hazard, vulnerability and risk terminologies for better understanding. In his deliberation, he discussed about assessing risk for the two elements human lives and economic assets. He briefed the proposed methodology for vulnerability assessment and the development of risk functions. For development of risk function, he explained that the function should consider most uncertainties such as site characterization, quantified through a probability distribution function. The economic risk assessment will be carried out using the data presented in the socio-economic ATLAS, Census Indicator 2005 obtained from Central Bureau of Statistic, Lao PDR. The participants further interacted with Dr. kumar regarding clarification on vulnerability assessment. Few questions included how social functions are incorporated in vulnerability assessment, what sectors are important in vulnerability assessment of particular hazards etc.

c. Open Discussion : Application on Project Outcomes for DRR Planning

Post lunch the open discussion was organized by constituting three groups , include: 1) Group A: Infrastructure, 2) Group B : Health Services, 3) Group C : Agriculture. Each group was given a set of cards for expressing their views on : a) what are the information required for carrying out sectoral planning for disaster impacts reduction, b) for safe and sustainable sectoral development, what is needed in term of : policy changes and knowledge to line departments; c) with respect to needs, what way you recommend for

actions. The purpose of conducting this session was understand the needs and type of intervention for sectoral risk reduction and develop realistic DRR recommendations. Following are the observations from three groups:

<u>Group</u>	What are the information required for carrying out sectoral planning for disaster impacts reduction	What is needed in term of : policy changes and knowledge to line departments	With respect to needs, what way you recommend for actions
<u>A:Infrastructure</u>	<ul style="list-style-type: none"> The location of potential hazards (earthquake, landslide, flood, storm direction) 	<ul style="list-style-type: none"> Scientific and comprehensive master plans and housing area allocation (landuse planning) Strict enforcement of building permission and byelaws 	<ul style="list-style-type: none"> Training / capacity building on technical guidelines on design standard and construction material Better warning system, risk assessment, awareness and allocating budget for safe construction
<u>B: Health Service</u>	Information on the health sector, such as : <ul style="list-style-type: none"> number of affected people and household, and types of diseases and outbreak 	<ul style="list-style-type: none"> proficiency in conducting the prevention surveillance, 	<ul style="list-style-type: none"> training / capacity building for health staff , especially on case management. Advocacy to the Donors
<u>C: Agriculture</u>	<ul style="list-style-type: none"> land size of arable Land Type of crops and impacts of hazards 	<ul style="list-style-type: none"> Understanding about the disasters and impact 	<ul style="list-style-type: none"> Better early warning system

05. Concluding Remark

Mr. Prasith Dethphommatheth, Director General, NDMO, Department of Social Welfare made the concluding remarks. He highlighted the important of the workshop and expressed satisfaction on the current progress. He further requested the participants to provide necessary support in sharing data and validation of the project outcomes. He ensured that NDMO will continue supporting the project activities. He expected to receive regular updates on project activities from project team. He thanked UNDP for providing necessary support for implementing the project.

Annex-1. Agenda of the 2nd Consultation Meeting.

2nd Consultation Meeting on Development of National Risk Profile, Lao PDR

Date: 15th July 2010

Venue: Public Works and Transport Institute, Vientiane

Time	Session	Speaker
0830-0900	Registration	
0900-0930	Opening Remarks <ul style="list-style-type: none"> • Welcome and Opening Remarks by NDMO • Opening Remarks by PTI • Opening Remarks by ADPC • Opening Remarks by UNDP 	NDMO PTI ADPC UNDP
0930-0945	Development of National Risk Profile- Project Briefing	Mr. Vilayphong, Deputy Director, NDMO
0945-1015	Tea / Coffee Break	
10 15–11 00	Adopted Methodology for Development of National Risk Profile Project	Session Chair: Ms. Saykham Thammanosouth Dr. Amit Kumar, ADPC
11 00 - 12 30	Hazard Mapping and Validation of Outcomes	Ms. Anggraini Dewi & Dr. Amit Kumar
1230-1400	Lunch	
1400-1430	Vulnerability and Risk Assessment Methodology	Dr. Amit Kumar
1430-1530	Discussion on Final Outcome of the Project	NDMO, ADPC, UNDP and Department representatives
1530-1600	Concluding Remarks	NDMO / ADPC

Annex-2. List of Participants

No	Name	Agency	Telephone
1	Mr. Pasith Dethphommathep	NDMO	
2	Mr. Thenekham Thongbon	Public works and Transport Institute	020 55 135 144
3	Mr. Vilayphong	NDMO	020 222 5185
4	Ms. Chikako Kodama	UNDP	020 551 5875
5	Ms. Viratsamay Visonnavong	UNDP	
6	Ms. Saykham Thammanosouth	Public works and Transport Institute	020 55 601 170
7	Dr. Bountheung Menavilay	Lao Red Cross	020 55 520 951
8	Mr. Vanhdy Douangmala	Department of Hydrology and Meteorology	020 240 2743
9	Mr. Bounphakone Phongphichit	Institute of Water Resources & Environment	020 222 0739
10	Ms. Keodokmay Paseuth	Department of Water Resources , WREA	020 55 654 200
11	Ms. Phonesavanh Phengsida	Public works and Transport Institute	020 55 510 108
12	Mr. Savanh Siri Yangnuvong	Department of Agriculture and Forestry	020 222 1644
13	Mr. Khammai Vongsathiane	Department of Irrigation	020 55 915 892
14	Mr. Somlith Lithsana	Office of Climate Change of WREA	020 248 3657
15	Mr. Chanthangso Oudomdeth	Public works and Transport Institute	02055 620 044
16	Mr. Thepphathai Phanka	Public works and Transport Institute	020 55 616 168
17	Mr. Sommay Syhavong	Department of Education	020 55 522 090
18	Mr. Pangkham Thikeo	Department of Statistics	020 77 811 228
19	Ms. Thippachane	National Regulatory Authority-UXO	020 55 908 782
20	Mr. Thongdom Chanthala	Public works and Transport Institute	020 203 3971
21	Mr. Inthawa Sayyaseng	Public works and Transport Institute	020 220 0585
22	Mr. Bouavanh Luangsay	Public works and Transport Institute	020 55 622 373
23	Mr. Somchit Chershourthor	Public works and Transport Institute	020 300 8160
24	Dr. Amit Kumar	ADPC	85 360 19121
25	Ms. Anggraini Dewi	ADPC	66 82 329 5530
26	Dr. Sivixay Thammalangsy	Ministry of Health	020 55 413 787

Annex-3. Pictures of the Workshop

		
Ms. Saykham Thammanosouth, Director of Housing and Town Planning Division, PTI	Mr. Prasith Dethphommathep, Director General of NDMO	Mr. Thenekham Thongbon, Acting Director of PTI
		
Ms. Chikako Kodama, Chief, Crisis Prevention & Recovery Unit, UNDP, Lao PDR Country Office	Mr. Vilayphong Sisomvang, Deputy Director of NDMO	Dr Amit Kumar, Senior Project Manager, ADPC
		
Group discussion	Presentation session on project progress and outcomes	Presentation session on project progress and outcomes
		
Group presentation during the Open Discussion Session	Presentation session on project progress and outcomes	Group Photo