

Proposal of ICL Network

1. Name of the Network; **South-East Asian Network for Landslide Risk Management**
2. Name of Proposer: N.M.S.I.Arambepola

Affiliation: Deputy Executive Director, Asian Disaster Preparedness Center (ADPC), Thailand.

Contact:

Asian Disaster Preparedness Center
SM Tower 24th Floor, 979/69 Paholyothin Road, Samsen Nai,
Phayathai, Bangkok 10400 THAILAND
Phone: +66 (0)22980681 to 92 (Ext 500) Fax: +66 (0)22980012 to13
Mobile: +66(0) 818403144 E-mail: arambepola@adpc.net

Core members of the activities:

1. Prof. Ko-Fei Liu
2. Prof. Dwikorita Karnawati
3. Dr.Che Hassandi Abdullah

Names/Affiliations

- 1.Prof. Ko-Fei Liu
National Taiwan University
2. Prof. Dwikorita Karnawati,
Gadjah Mada University, Indonesia
- 3.Dr.Che Hassandi Abdullah, <Hassandi@jkr.gov.my>,
Slope Engineering Branch,
12th Floor,
Public Works Department Headquarters,
Jalan Sultan Salahuddin, 50582 Kuala Lumpur, Malaysia
Tel: +603 26967321
Fax: +603 26927010

3. ICL member organizations (representatives) involved in the Network. Write those organizations (representatives) if further ICL members are expected to join the planned network. (One of 15 WCoEs at least is better to be involved in the planned network)

ICL member organizations (representatives) involved in the Network

- National Taiwan University
- Gadjah Mada University, Indonesia
- Asian Disaster Preparedness Center, Thailand
- Slope Engineering Branch ,Public Works Department Headquarters, Malaysia

Other ICL members are expected to join the planned network

- Institute of Transport Science and Technology, Vietnam
- Ministry of Agriculture and Cooperatives, Land development Department, Thailand

Non-ICL members likely to join the Network

- Vietnam Institute of Geosciences and Mineral Resources, Chien Thang Street, Thanh Xuan District, Hanoi, Vietnam

4. Objectives for the initial 3 years: (5 lines maximum; what you expect to accomplish?)

Long term goal of the network is to contribute to the Hyogo Framework for Action (HFA) by sharing experience, knowledge and expertise through networking in the area of landslide risk management technology applications for disaster risk management and sustainable development in mountainous areas of South-East Asia.

We believe that international exchange and collaboration in landslide risk management practice and applied research is of utmost importance for meeting the future national, regional and global environmental challenges and their consequences. **South-East Asian Network for Landslide Risk Management** promotes and facilitates regional collaboration for applied research, exchange of experiences, knowledge sharing and initiate interventions for capacity building through active involvement of landslide risk management practitioners in South-East Asia to support effective implementation of the Hyogo Framework for Action.

5. Background Justification: (10 lines maximum)

The Mountainous areas within South East Asia are undergoing a rapid development and human habitat, infrastructure, lifeline facilities etc are increasingly getting exposed to a extreme event as a result of global climate change, environmental degradation, urbanization and depletion of natural resources. Combined with continued economic development, these changes will lead to adjustments in land use, human settlements, farming & agricultural practices etc within mountainous areas that are exposed to hydro-meteorological and geo-hazards. Among them landslides seems to be a frequent and widespread phenomena within the mountainous areas in SEA sub-region. As exposure and vulnerability to landslide hazard increases and precipitation

patterns rapidly changes we may expect more frequent landslide events due to climate change. It is likely that we will see more frequent and severe landslide disaster events in future, a trend that most disaster statistics support. To prevent and mitigate landslide disaster events within the mountainous areas, adequate and up-to-date reliable information such as climate forecasts, geotechnical characteristics of slopes, sub-surface geological deposits, land use changes, etc must be available to disaster managers and decision makers so that they will be able to take appropriate actions for landslide risk management. More innovative and cost effective measures are needed for information generation and it is mutually useful for landslide practitioners to share the strategies, methodologies, applications for their mutual benefit.

Increasing landslide disaster risk is of a global concern, but in South east Asia the situation is pressing: South east Asia is receiving a disproportional large share of the major landslide disasters within Asia annually and it is therefore important to bring the landslide risk management community in the region together and to collaborate with other stakeholders to profit from each other's knowledge and experiences for their mutual benefits.

6. Resources available for Network activities

Personnel & Facilities: All three lead agencies have necessary staff and facilities that can be made available for activities of the network

Budgets and Contribution to ICL/IPL: The network partners intend to develop joint project proposals to fund networking activities and partial funding support may be made available to ICL/IPL activities. Already 02 project proposals have been submitted to UNESCO and Norwegian Government and are being under consideration.

7. Description of past activities related to proposed network (30 lines maximum).

1) ICL headquarter and Gadjadara university, AIT, China Geological Survey have conducted the Asian Joint project on Early Warning of Landslides (IPL105) since 2008.

2) The Institute of Transport Science and Technology in Vietnam and the ICL-Headquarter, and the Forestry and Forest Product Research Institute of Japan, and the Japan Landslide Society have started the joint project by the budget of the government of Japan from June 2011 until March 2017 based on the cooperation between ITST and two Japanese ICL members since 2010.

3) ICL headquarter, the Forestry and Forest Product Research Institute of Japan, the Japan Landslide Society, Gadjadara university (Indonesia), National Taiwan University, National Institute of Disaster Management and others have started to create Landslide Teaching tool since April 2012.

4) ADPC in partnership with Norwegian Geotechnical Institute has organized a Regional

Workshop on Landslide Warning for RECLAIM program target countries in Yangon, Myanmar during 24-27 January 2012. 25 members from Bangladesh, Bhutan, China, India, Indonesia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Thailand and Vietnam attended the meeting.

8. Planned future activities /Expected Results: (20 lines maximum)

- 1) The network will organize the symposium/workshop/network meeting on landslides in South East Asia in 2013, 2015, 2016 within the area.
- 2) The network will organize a meeting during the third world landslide Forum in Beijing, 2014.
- 3) The network will contribute to the establishment and improvement of landslide teaching tool.

9. Expected results:

Proposed interventions of the South-East Asian Network for Landslide Risk Management will expected to achieve following results but not limited to

- To build a strong regional network on landslide disaster mitigation, and landslide science.
- Promote international exchange and collaboration in landslide risk management practice thro' organizing networking events
- Contribute through joint applied research for meeting the future national, regional and global environmental challenges and their consequences.
- Initiate capacity building interventions in partnership with partner institutions
- Assist in Documentation of sound practices and dissemination
- Policy advocacy and public awareness creation