

## **The 2<sup>nd</sup> Workshop on Slope Failure Caused by Torrential Rainfall in Asian Countries in the Context of Climate Change**

Recently, frequency of slope failure events caused by torrential rainfall has been increasing drastically in Asian countries due to “Climate Change”. Under the situation, Graduate School of Kyoto University initiated joint research project, which is field Monitoring of run-off and moisture infiltration into subsoil in Nakhon Nayok, Thailand, jointly with Kasetsart University, Thailand and Asian Institute of Technology, Thailand since September, 2007. Since February, 2010, based on findings obtained through the above research, Graduate School of Kyoto University and West Nippon Expressway Company Limited have conducted joint research project, entitled “A Study on Run-off and Moisture Infiltration into Subsoil Caused by Torrential Rainfall”, focusing on establishment of slope failure early warning system from a viewpoint of road disaster risk mitigation. In addition, since May, 2011, both have initiated field monitoring in Phuket, Thailand as well.

Following last year event, our research group has planned to hold the “2<sup>nd</sup> Workshop on Slope Failure Caused by Torrential Rainfall in Asian Countries in the Context of Climate Change”, aiming at introduction of the results of the joint research and associating topics on slope failure in Asian countries, which are to be made presentation by invited Thai speakers, who are research counterparts from Kasetsart University, Asian Institute of Technology and Department of Highways, Ministry of Thailand. In addition, the results of application of “In-situ device to observe soil strength parameters”, which was developed by West Nippon Expressway Company Limited, in Phuket site are also to be presented.

In the context of climate change, even in Japan, the necessity of slope disaster prevention against torrential rainfall such as guerilla-like rainfall has been highlighted. Under such the condition, it would be highly appreciated if those who are interested in the research topics would participate in the workshop and get fruitful products through discussion at the workshop.

### **Program**

Date: March 13, 2012

Venue: Meeting room of Headquarter Building of West Nippon Expressway Company Limited Osaka,  
Japan

Guests from Thailand:

Dr. Montri Dechasakulsom (Department of Highways, Ministry of Transport of Thailand)

Dr. Noppadol Phienwej (Asian Institute of Technology, Thailand)

Dr. Pham Huy Giao (Asian Institute of Technology, Thailand)

Dr. Suttisak Soralump (Kasetsart University, Thailand)

Dr. Apiniti Jotisankasa (Kasetsart University, Thailand)

Contents:

- 13:00-13:10    Opening Address  
                Prof. Hiroyasu Ohtsu (Kyoto University, Japan)
- 13:10-13:40    Damage on Highway due to 2011 Flooding in Thailand  
                Dr. Montri Dechasakulsom (Department of Highways, Ministry of Transport of Thailand)
- 13:40-14:10    2010-2011 Landslide in Vietnam  
                Dr. Pham Huy Giao (Asian Institute of Technology, Thailand)
- 14:10-14:40    Early Warning Systems against Landslide in Thailand  
                Dr. Suttisak Soralump (Kasetsart University, Thailand)
- 14:40-15:00    Break
- 15:00-15:30    Development of Monitoring Devices Related to Landslide/Slope Failure  
                Dr. Apiniti Jotisankasa (Kasetsart University, Thailand)
- 15:30-16:10    Field Monitoring in Nakhon Nayok & Phuket, Thailand  
                Prof. Hiroyasu Ohtsu (Kyoto University, Japan)
- 16:10-16:50    Development of In-situ Instrument Measuring Soil Strength Parameters  
                Mr. Tetsuo Abe (NEXCO IR)
- 16:50-17:00    Closing Address  
                Mr. Hiromasa Kishi (West Nippon Expressway Company Limited)