



# ADRC

## Highlights

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➤ **ADRC Conducts Field Survey in Areas Affected by Mudflow in the Philippines**

From 15 to 17 January 2007, Dr. Rolando P. Orense, Associate Professor in Department of Civil Engineering at Yamaguchi University, and Mr. Makoto Ikeda, ADRC Researcher, conducted a field survey in the areas affected by the mudflow that occurred at southern Luzon Island in the Philippines.

Mayon Volcano, a stratovolcano known for its almost perfect cone, reaches to a height of 2,462 m and has a base circumference of 62.8 km. Its symmetric cone was formed through alternate pyroclastic and lava flows. The upper slopes of Mayon are steep, reaching up to 35-45 degree grades. It has erupted 49 times since the first documented activity in 1616. Vulcanian eruptions in 1984, 1993, and 2000 resulted in large quantities of volcanic products which were re-deposited on the slopes of the volcano.

On 30 November 2006, the super-typhoon "Reming" (international code name: Durian) struck the southern part of Luzon Island where it caused widespread flooding, damaged property, and triggered landslides and mudflows in 11 provinces. Reming had maximum sustained winds of 190 kph at its center and gusts of up to 225 kph. Camarines Sur was greatly affected by the strong winds and floodwaters, while Catanduanes was isolated after being struck by strong winds. Thousands of passengers in Sorsogon ports were stranded. However, the province of Albay suffered the most damage, with the intense rainfall triggering flash floods and lahar flows from the slopes of Mayon Volcano. The casualties caused by typhoon Reming amounted to a total of 655 deaths, 2,437 injured and 445 missing (OCD-5, 2007).



A result of questionnaire survey revealed a lack of evacuation sites and imperfections in the early warning system. About 60% of people expect another disaster of the same scale to occur here in the future. ADRC will support community-based disaster education programs for local residents in this area.

For more information on this mission, please contact Mr. Ikeda ([ikeda@adrc.or.jp](mailto:ikeda@adrc.or.jp)).

➤ **ADRC Collaboration with JICA**

□ **JICA Seminar on Iran Earthquake Disaster Management JFY 2006**

As part of its various collaborative projects with JICA (Japan International Cooperation Agency), ADRC conducted a "JICA Seminar on Iran Earthquake Disaster Management JFY2006" from 18 February to 3 March 2007. This was the second seminar to be held since last year. Twelve Iranian government officials were invited from related ministries, including the Management & Planning Organization, Ministry of Housing and Urban Development, Ministry of Interior, and Ministry of Science, Research and Technology.



To enhance their disaster management capabilities by teaching them about the Japanese disaster management system, the program consisted of lectures focused on the following topics: (1) Japan's basic concepts of disaster management, (2) countermeasures against earthquake disasters, (3) experiences and lessons learned from Great Hanshin-Awaji Earthquake in 1995, as well as (4) efforts to retrofit houses and buildings.

At the beginning of the seminar, two trainee representatives gave presentations on the disaster situation and disaster management systems in Iran. Later, the trainees visited various Japanese ministries and organizations including the Cabinet Office, Japan Meteorological Agency, and Kobe city government. On the final day, the trainees split into two groups to report on their future action plans based on what they had learned in Japan. ADRC would like to engage in other cooperative projects with JICA that lead to capacity building in other Asian countries. For more information, please contact ADRC Researcher Mr. Ikeda ([ikeda@adrc.or.jp](mailto:ikeda@adrc.or.jp)).

➤ **Announcement**

As of 2 April 2007, ADRC Senior Researcher Mr. Akihiro Teranishi and Researcher Mr. Shingo Kochi were transferred to the Hyogo Prefectural Government and Cabinet Office, respectively, while Mr. Shuhei Tanaka from the Hyogo Prefectural Government assumed the duties of ADRC Senior Researcher.