

Asia-Pacific Region Global Earthquake and Volcanic Eruption Risk Management (G-EVER) Consortium: the new hazard mitigation activities

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The first Workshop on Asia-Pacific Region Global Earthquake and Volcanic Eruption Risk Management (G-EVER1) was held in Tsukuba, Japan from February 22 to 24, 2012. The workshop focused on the formulation of strategies to reduce the risks of disasters caused by the occurrence of earthquakes, tsunamis and volcanic eruptions worldwide. More than 150 participants attended the event. During the workshop, the G-EVER1 accord was approved by the participants. The Accord consists of 10 recommendations like enhancing collaboration, sharing of resources, and making information about the risks of earthquakes and volcanic eruptions freely available and understandable. The G-EVER Consortium among the Asia-Pacific geohazard research institutes was established in 2012. The G-EVER Promotion Team of GSJ was also formed on November 2012. The G-EVER Hub website (<http://g-ever.org>) was setup to promote the exchange of information and knowledge about volcanic and seismic hazards among the Asia-Pacific countries. Establishing or endorsing standards on data sharing and analytical methods is important to promote data and analyses results sharing. The major activities of G-EVER include participation in global risk reduction efforts such as the Global Earthquake Model (GEM) and Global Volcanic Model (GVM). The G-EVER international conference would be held every 2 years in the Asia-Pacific countries. On the other hand, one to two days G-EVER international symposium would be held annually. The 1st G-EVER International Symposium was held in Tsukuba, Japan on March 11, 2013. The 2nd Symposium is scheduled in Sendai, Tohoku Japan, on Oct. 19-20, 2013. Several G-EVER Working Groups and projects were proposed such as the following: (1) Risk mitigation of large-scale earthquakes WG, (2) Risk mitigation of large-scale volcanic eruptions WG, (3) Next-generation volcanic hazard assessment WG, (4) Active fault catalogue WG, and (5) Asia-Pacific region earthquake and volcanic hazard mapping project.

The Asia-Pacific region earthquake and volcanic hazard mapping project aims to make an advanced online information system, which provides past earthquake and volcanic hazards records (eg. age, location, scale, affected area due to earthquake, tsunami, ash fall, and pyroclastic flows, and fatalities), recent earthquake and volcanic eruption information, risk assessment tools for earthquake and volcanic eruption hazards, and links to global earthquake and volcanic eruption databases. The hazard mapping project is planning to make the system with the cooperation of the Asia-Pacific countries.