

Minutes of the Sixth Tripartite Meeting
on
Earthquake Disaster Mitigation
among
the China Earthquake Administration of the People's Republic of China,
the Japan Meteorological Agency of Japan
and
the Korea Meteorological Administration of the Republic of Korea

10 January 2013, Hainan Province, People's Republic of China

1. At the kind invitation of Mr. LIU Yuchen, Vice Administrator of the China Earthquake Administration (CEA), the delegation from the Japan Meteorological Agency (JMA), headed by Dr. UHIRA Koichi, Director General of Seismological and Volcanological Department, and the delegation from the Korea Meteorological Administration (KMA), headed by Mr. LEE Ilsoo, Vice Administrator, visited Hainan, People's Republic of China on 10 January 2013 to attend the Sixth Tripartite Meeting on Earthquake Disaster Mitigation (TMEDM) among CEA, JMA and KMA. The present document was prepared as the minutes to summarize the outcomes of the meeting.
2. The three sides recognized that despite the significant progress in seismology and earthquake disaster mitigation measures, people's life and property remained vulnerable in face of major catastrophic earthquakes. The 2011 Great East-Japan Earthquake and the induced tsunami claimed a significant number of lives. Earthquakes and Tsunamis were inflicting no lesser damage than ever. In this regard, all sides reaffirmed the necessity of continuation and promotion of cooperation among the three organizations in order to mitigate earthquake and tsunami disasters in the Northeast Asian region.

3. Representatives of three organizations introduced the current work and future plans for their earthquake and tsunami warning/information services, and reported recent significant earthquake disasters.

CEA reported on the current status of China's earthquake and volcano monitoring system, including rapid report and early warning on seismic intensity and key laboratories, and briefly introduced earthquake disaster preparedness and mitigation in China.

JMA reported its earthquake, tsunami and volcano monitoring system and services to the public. JMA also introduced the recent improvements of its tsunami warning.

KMA reported on recent improvement in its earthquake monitoring and analysis system, and its services for earthquake and tsunami information. KMA also summarized the outcomes of the international workshops hosted in Korea to further seismological cooperation in Northeast Asia.

4. The meeting confirmed that mutual cooperation in the agenda of the Fifth Meeting has been completed or proceeding at the time. On the basis of previous Minutes and cooperation, CEA, JMA and KMA reached the consensus to pursue the implementation of the following action items:

- 4.1 JMA and KMA have started exchanging real-time seismic wave data of selected seismic stations in each country. Near real-time seismic data exchange between CEA and KMA has been agreed to be conducted in five respective seismic stations selected by each country. CEA agreed on the consideration of expanding seismic data exchange in near real-time. Details of data exchanging will be discussed at a working level.

Three organizations decided to exchange information on domestic major earthquakes, by email and/or other appropriate means.

- 4.2 CEA and KMA reported that at the 2011 and 2012 East-Asia Earthquake seminars

held in Beijing and Jeju respectively, seismologists, geophysicists and volcanologists from China, Korea, Japan and other countries shared great concern on earthquake and volcanic activities in East Asia. They acknowledged the huge impact caused by an eruption of Changbai Mountain (also known as Baekdusan in Korea) which is located in the border region of China and North Korea, during the millennium on the global environment. Both sides decided to promote international and regional cooperation by sharing information on Changbai Mountain (Baekdusan) regarding seismic and volcanic activities as well as research results, and promptly alerting the other side about the eruption time and scale in the event of such activities. CEA and KMA confirmed that exchange of expertise will be cooperated in the near future for joint research projects including application of new technology in the monitoring of Changbai Mountain (Baekdusan), comparative study on the eruptive mechanism of volcanoes in East Asian region, and the relation between West Pacific Ocean Plate subduction and shallow/deep focus earthquakes and volcanic eruptive activities.

- 4.3 The meeting recognized that although the tsunami early warning systems have provided an effective measure in mitigating disasters, looking into past tsunamis through both historical record analysis and geological research is also a very useful way to identify the potential tsunami sources. In this regard, details of the cooperation on tsunami hazard analysis and regional capacity development will be discussed at a working level.
- 4.4 CEA emphasized the importance of joint efforts on seismic hazard assessment, which JMA and KMA agreed on. CEA proposed future cooperation on seismic hazard research of major earthquakes and continuation of exchanging scientists and experts.
5. The three organizations decided to update the list of focal points to facilitate implementation of the action items agreed upon in the Meeting, respectively:

International Cooperation focal points:

Side	Focal Point	Department & Contact information	
CEA	Mr. WANG Manda Director	Dep.	Division of Bilateral Cooperation, Dept. of International Cooperation
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KMA	Dr. LEE Duk Kee Director	Dep.	Earthquake Policy Division
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Working Cooperation focal points:

Side	Focal Point	Department & Contact information	
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6. The three sides reviewed, in the event of the completion of its second cycle, the function of the Meeting and commended the three sides' tremendous efforts in the cooperation of earthquake, tsunami and volcanic disaster mitigation and prevention. Details of future cooperative activities will be decided through mutual consultation.
7. All sides expressed their satisfaction with the friendly atmosphere and fruitful outcome of the sixth meeting. On behalf of JMA and KMA, Dr. UHIRA Koichi and Mr. LEE Ilsoo extended their deepest gratitude to CEA for its hospitality and consideration.

Done in triplicate in English on 10 January 2013.

LIU Yuchen

China Earthquake Administration

People's Republic of China

UHIRA Koichi

Japan Meteorological Agency

Japan

LEE Ilsoo

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