

Concept Paper

ASEAN Regional Forum

Workshop on Global Multi-Hazard Early Warning Capacity

Development in Asian Region

1. Background

China endeavors to promote the regional cooperation in disaster risk reduction, especially through the Nanning Initiative on China-ASEAN Cooperation in Meteorology (China, September 2016) and Urumchi Initiative on Meteorological Disaster Prevention and Mitigation and Response to Climate Change in Central Asia (China, October 2015). Meteorological disaster risk reduction is one of the priorities in Asia region. The Sixteenth Session of RA II (Asia) of the World Meteorological Organization (WMO) in 2017 approved that the China Meteorological Administration (CMA) together with the Hong Kong Observatory (HKO) would lead a ‘Pilot Project to Enhance the Capability of Meteorological Disaster Risk Reduction in RA II’.

At the China-ASEAN Meteorological Disaster Prevention Workshop held in Haikou, China in November 2017, CMA and the HKO introduced and

promoted the development of the Multi-Hazard Alert System for Asian Region (namely GMAS-A), which was well-recognized by participants from the ASEAN countries. Meanwhile, the working group jointly formed by CMA and HKO conducted a survey to gather requirements of RA II (Asia) and RA V (South-west Pacific) Members of WMO on dissemination of warnings and sharing of advisory products on meteorological and multi-hazard risks. The progress in constructing the system was accorded high recognition at the Technical Conference of WMO Commission for Basic Systems in March 2018.

The purpose of WMO is to provide assistance to National Meteorological and Hydrological Services (NMHSs) in its 191 Members, providing high-impact weather and extreme weather warnings to government authorities and disaster management agencies to help them in the decision-making process. Protect the safety of citizens' lives and property.

The establishment of GMAS-A relies on experience of HKO in developing and operating the WMO's World Weather Information Service (WWIS) and the Severe Weather Information Center (SWIC). The Common Alerting Protocol (CAP) is adopted to present warning information issued by Members in the region in a standardized format in both English and local language on the same platform, with a view to

achieving the goal of sharing forecasting products and technical resources of Members in the region.

2. Proposal

China proposes holding a workshop on Global Multi-Hazard Early Warning Capacity Development in Asian Region in 2019, with the purpose to improve the national meteorological disaster management and technical capabilities in Asian region, targeted to establish a global multi-hazard early warning system in Asia, establish a talent training cooperation mechanism, and lay the foundation for the management of meteorological disasters in Asia and the cultivation of technical personnel.

The meeting will include: 1) Introduction of construction and operation of GMAS, GMAS-A, NEWRS, and their relationships. 2) Sharing experiences, suggestions and opinions by pilot Members. 3) Introducing the using method of international CAP by invited experts. 4) Delegates summarizing and exchanging information on system construction and early warning release situation and show interest to participate in the regional early warning systems in Asia, and strengthen the awareness of international risk prevention and mitigation etc.

3. Participants

Government Officials and experts related to early warning area, risk reduction management would be invited to participate in this workshop. Ideal participants would be those involved in CAP application, risk reduction management, system construction, data management and analysis.

4. Date, Venue and Language

The workshop will be held in October 2019 in Kunming, China. English will be the working language.

5. Contact Information

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