

## Statement

The tropical and sub-tropical Asia-Pacific region is strongly affected by typhoons and monsoons which are thought to be sensitive to climate change. So in this region, impacts of climate change might become more severe in coming year, and climate information is very important.

However, some countries have difficulty in preparing and providing such information due to various reasons such as the lack of computational resources and the necessity of enhancing capacity of climate experts.

The Japan Meteorological Agency (JMA) has been making various efforts to assist such countries, and here I would like to introduce efforts of its Tokyo Climate Center and the Meteorological Research Institute.

The Tokyo Climate Center (TCC) of JMA, serving as a Regional Climate Center of the World Meteorological Organization in Asia, assists climate services of such Asia-Pacific countries as part of the regional cooperative activities.

As one of such activities, TCC has organized annual one-week training seminar. In this seminar, participants can learn about state-of-the-art climatological technologies both in classroom lectures and in practical exercises. In January 2015, particularly, the seminar treated the Global Warming and its affection as the seminar theme.

TCC also arranges expert visits for the effective technical transfer.

Besides, TCC provides two series of publications issued by JMA through its website. One is Global Warming Projection, and the other is Climate Change Monitoring Report. These reports provide up-to-date information on climate change and global warming.

TCC will continue to conduct such gap-filling activities in the future.

Meanwhile, the Meteorological Research Institute (MRI) of JMA has conducted the international collaborative research with developing countries

to produce the detail structure of the future climate change projection in tropical and sub-tropical regions.

Eighteen researchers have been invited to the MRI for the last 5 years. They learned how to use the Non-Hydrostatic Regional Climate Model (NHRCM) which was developed by MRI and conducted the future climate projection around their countries by using a super computer system.

The data calculated in MRI were brought back to their home countries and have been analyzed in detail to make use of them for adaptation measures. MRI will invite also 4 researchers from Southeastern countries in this fiscal year.