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Response to Climate Change

20-03-2012

Source:China Meteorological News Press

The CMA takes the lead for organizing activities in China related to the Intergovernmental Panel on Climate Change (IPCC) and research on climate change. Under the auspices of the National Development and Reform Commission and the Ministry of Foreign Affairs, the CMA has participated in the formulation of China's overall climate change response strategy, planning and policy, and has also been involved in international climate change negotiations, as well as launching climate change outreach and education campaigns. The 3rd World Climate Conference (WCC-3) was held in Geneva, Switzerland from 31 August to 4 September 2009. On 3 September, Vice Premier HUI Liangyu made an important speech at the Conference. He elaborated on the importance of work related to climate and climate change, extensively demonstrating that the Chinese Government attached great importance to the work on climate and climate change. Its accomplishments in disaster prevention, climate, and climate change in China fully show its determination and principles to continuously carry on the work on climate and climate change, and clearly identify the direction of development in this field.

CMA actively participates in the work of China's National Leading Group to Address Climate Change for strengthening communication and cooperation between governmental departments.

In June 2009, the China Meteorological Administration and the Chinese Academy of Social Sciences established a joint laboratory for climate change economics simulation. The laboratory issued Green Papers on Climate Change in 2009 and 2010 respectively - Annual Report on Actions to Address Climate Change (2009): Road to Copenhagen and Annual Report on Actions to Climate Change (2010): Cancun's Challenges and Green Paper on Climate Change China's Actions.

Climate Conditions

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CMA publicized the main weather and climate characteristics of 2016...

WMO Statement on Climate in 2015: Record Heat and Weather Extremes

2015 is hottest year on record, about 1°C above

CMA releases climate bulletin to show 2015 is the warmest year sinc...

CMA publicized the main weather and climate characteristics of 2015...

The average annual temperature across China set a record this year

Features

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**Application of
Gaofen-4**

**Climate features and
met services**

Actively conducting research on climate change to provide scientific support for domestic and foreign affairs in response to climate change



Workshop on Assessing Climate Change Impacts on Food Security.

Actively conducting education, training and outreach of climate change science

Since 2004, the CMA has successively held the International School on Climate System and Climate Change for 7 consecutive years, with a total of 900 students both at home and abroad being trained. Training courses are held for directors of meteorological services at provincial and county levels, to promote knowledge on climate change.



A series of popular science readings on climate change have been produced to increase public knowledge about climate change. Since 2007, multi-language TV footage and popular science reading entitled Addressing Climate Change —China in Action have been publicized.

China has established its operational climate operations system, including climatic monitoring and diagnosis, short-term climate predictions, climate impact assessment, climate applications and service delivery, and exploitation and utilization of climate resources. Now China is able to monitor the atmosphere, ocean and parts of the cryosphere in real time.



The CMA has established its climate prediction system combining statistical methods with dynamic climate models, making qualitative and quantitative assessment of climate impacts on agriculture, water resources, transportation, energy, ecological environment and human health. By the end of 2005, China's First-generation Dynamic Climate Model Operational Prediction System, developed by the National Climate Center (NCC), enabled China to stand among the few countries in the world that produce climate prediction products using climate models, and to play an important role in the exchanges of climate predictions and information in East Asia and in the World.

Main products:

Monthly Climate Trend Prediction; Drought and Flood Trend Prediction; Annual Climate Trend Prediction; Monthly Climate Monitoring Bulletin; Monthly Climate Impact Assessment; China's Climate Bulletin on Drought and Flood; Seasonal Climate Monitoring Bulletin; Seasonal Climate Impact Assessment; Agrometeorology-based Annual Crop Yield Forecasts.

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