

China Meteorological Administration's (CMA) Capability and Effort to Serve the "Pilot Low-Carbon Action at 5 Provinces and 8 Cities in China" and the Global Network

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Ambient GreenHouse Gases (GHGs) measurement (ground based site, tall tower, aircraft, etc.) and inverse modeling techniques have demonstrated that they are currently not sufficiently developed to provide a comprehensive routine and verification at the desired accuracy, especially on a smaller scale (e.g. regions and cities). Progress is to be gained from working together, to improve network coverage and verification techniques, as well as to gain better understanding of inventory estimates. The CMA leads the operational monitoring network for GHGs and climate change in China and plays a key role in the Intergovernmental Panel of Climate Change activities. The CMA represents the World Meteorological Organization (WMO) Commission for Atmospheric Sciences in China and is deeply involved in the Global Atmospheric Watch (GAW). The CMA and NOAA have a strong working relationship and renew bilateral agreements every two years (e.g. joint exchanges of scientists, calibration gases, flask air sharing, and the recent 10-day workshop in Boulder on high accuracy GHG measurements held September 2010). The "Pilot Low-Carbon Action at 5 Provinces and 8 Cities in China" by the Chinese Government is supervised by the National Development and Reform Commission (<http://en.ndrc.gov.cn/>). The CMA's capability and efforts look forward to expanding the number of ambient GHG and tracer monitoring sites as well as to develop a National Calibration Lab link to the WMO Central Calibration Labs so that China can evaluate its own atmosphere-climate change low-carbon system and contribute to the global network.

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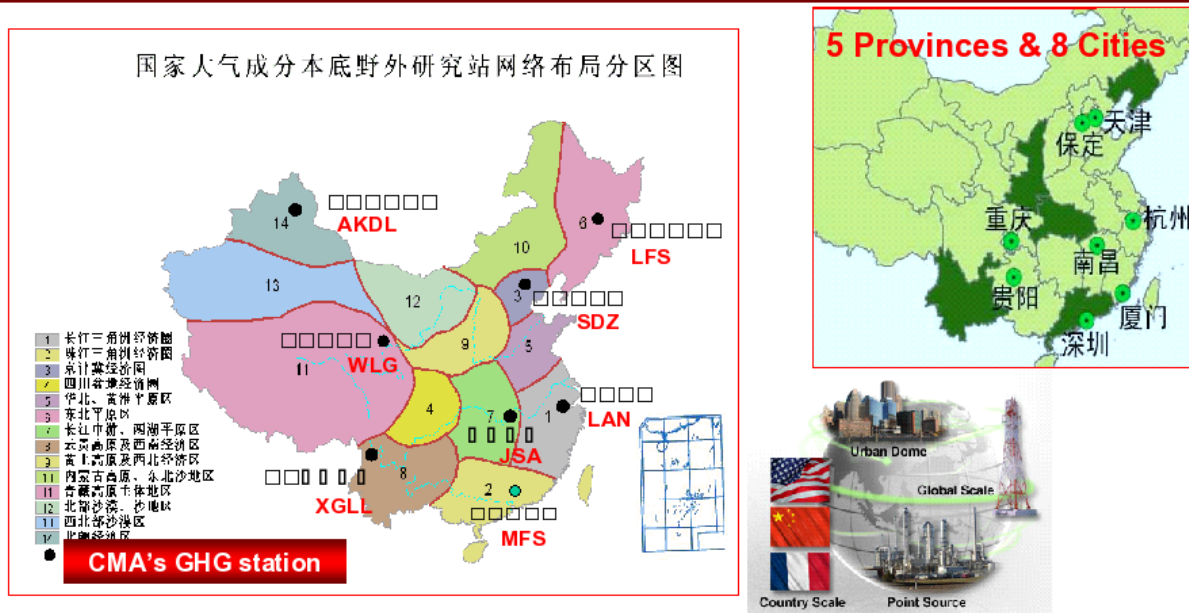


Figure 1. CMA's capability and effort to serve the "Pilot Low-Carbon Action at 5 Provinces and 8 Cities in China" and the global network.