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Atmosphere and Climate

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THEME: National, regional and international programmes including education and outreach (PROG), special session of DRAGON

KEY WORDS: atmosphere, climate, China, air quality, dynamics

ABSTRACT:

The Dragon programme is set up by the European Space Agency (ESA) and the Chinese Ministry of Science and Technology (MOST) to stimulate the co-operation between European and Chinese institutes on scientific applications of satellite data. The 3rd Dragon Programme started in 2012 and will last for 4 years. One of its themes is “Atmosphere and Climate” in which 7 projects are currently running. Their topics of main interest are air quality, atmospheric dynamics, the third pole and climate change. The geographical focus is on China but usually within a global context. Economic growth in China has been very fast, resulting in rapid changes in atmospheric composition, which affect all atmospheric topics, whether air quality, carbon dynamics or climate change. For the research we are using data from several ESA and Chinese satellite instruments in novel ways to better understand these processes. In this presentation an overview will be given on the mid-term results of the Dragon atmospheric research.

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