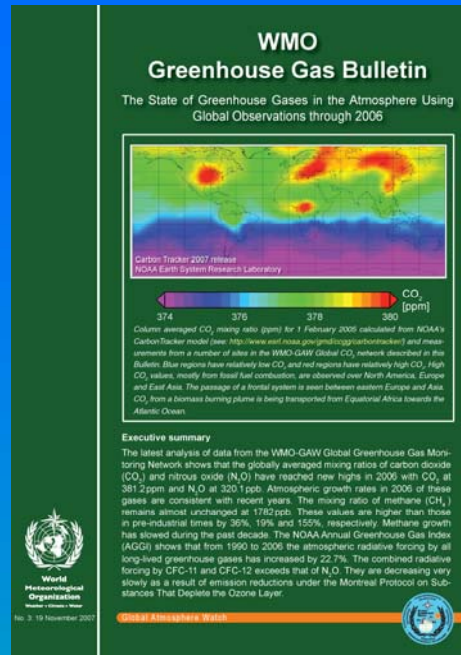


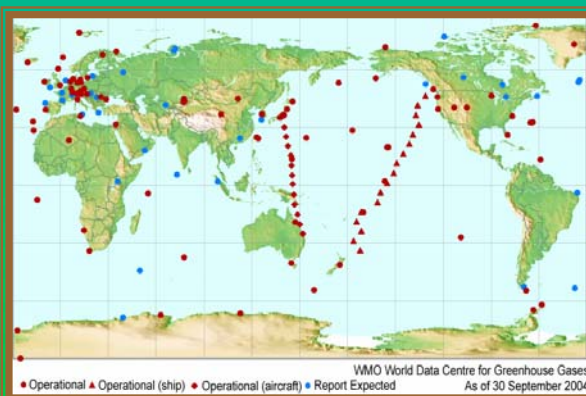
# Greenhouse gas observations: Key to detecting climate change !



The third WMO GAW annual greenhouse gas bulletin was released for the meeting of the Conference of the Parties to UNFCCC in 2007.

Since 1975, the WMO GAW monitoring network for greenhouse gases provides the measurements for carbon dioxide (CO<sub>2</sub>) and methane (CH<sub>4</sub>) that are used in global climate change assessments.

Without these measurements we would not know why the climate is changing and we could not make future projections.



GAW CO<sub>2</sub> network.

Due to the need to detect small changes, the measurements require excellent accuracy which is obtained through the WMO calibration and standardization facilities.

30 years of expert meetings on CO<sub>2</sub>. These meetings and the linked International CO<sub>2</sub> Conferences address items such as: impacts of high carbon dioxide on land and ocean ecosystems; carbon cycle response to environmental change; managing the carbon cycle and the fate of fossil-fuel carbon emissions.