

In-service Aircraft for a Global Observing System

The Consortium

IAGOS-ERI builds on 15 years of scientific and technological experience gained in the research projects MOZAIC (Measurement of Ozone and Water Vapour on Airbus in-service Aircraft) and CARIBIC (Civil Aircraft for the Regular Investigation of the Atmosphere Based on an Instrument Container).

The Partnership





BRITISH AIRWAYS





Ccnes







Associated Airlines

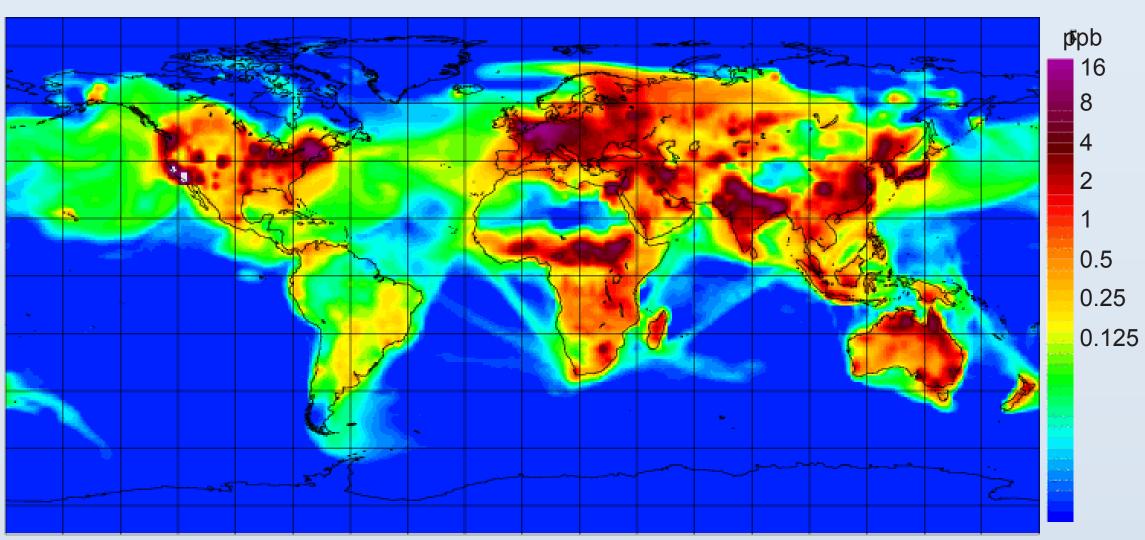


The Science

The need for routine aircraft observations at the global scale is driven by:

- The scientific communities engaged in modelling of
 - Climate Change

 - Air Quality
 - Carbon Cycle
- Impact of Aviation
- The Task Force on Hemispheric Transport of Air Pollutants (HTAP)
- The GMES Atmospheric Service (GAS)
- The scientific community engaged in improving satellite data

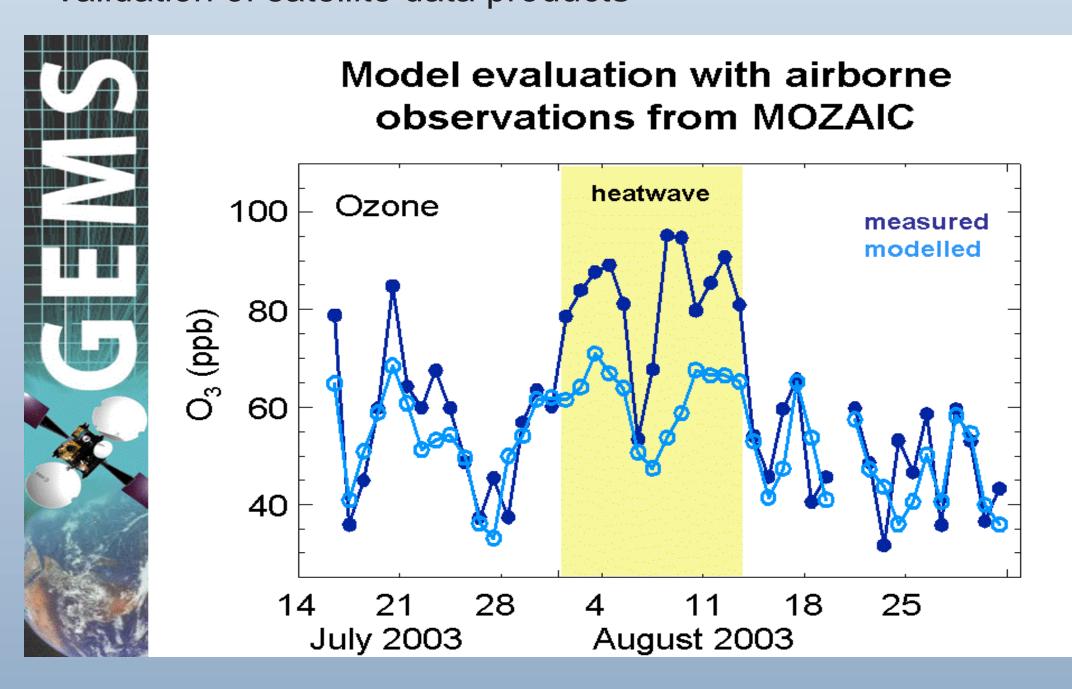


ECMWF/GEMS Forecast of Surface NOx for 26.11.2008 (http://gems.ecmwf.int)

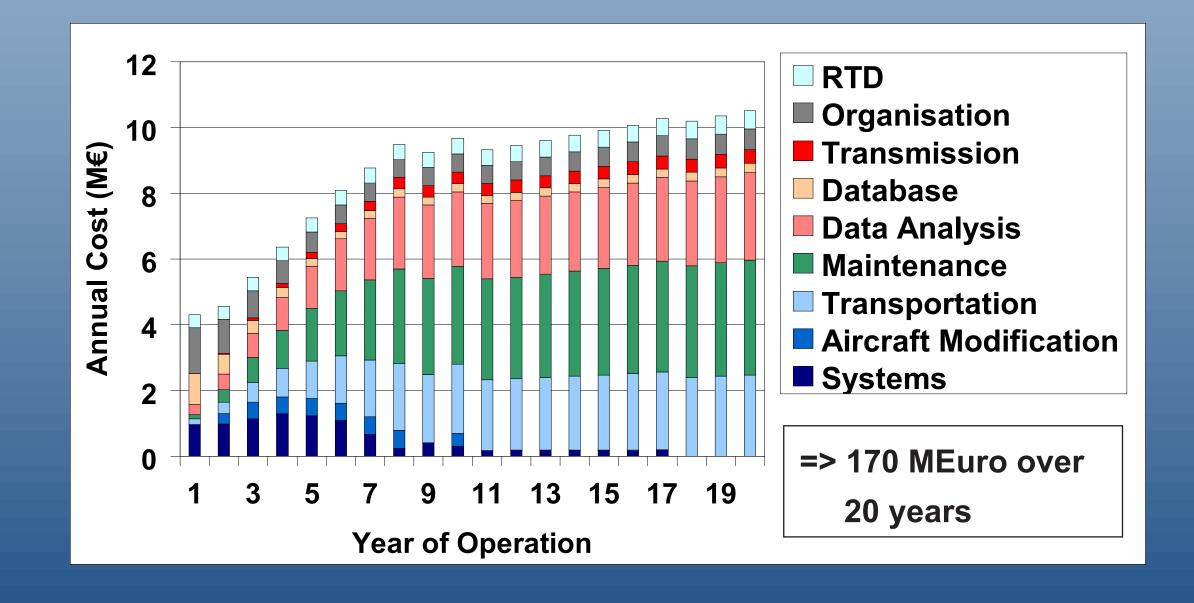
The Users

IAGOS-ERI provides data for users in science and policy, including:

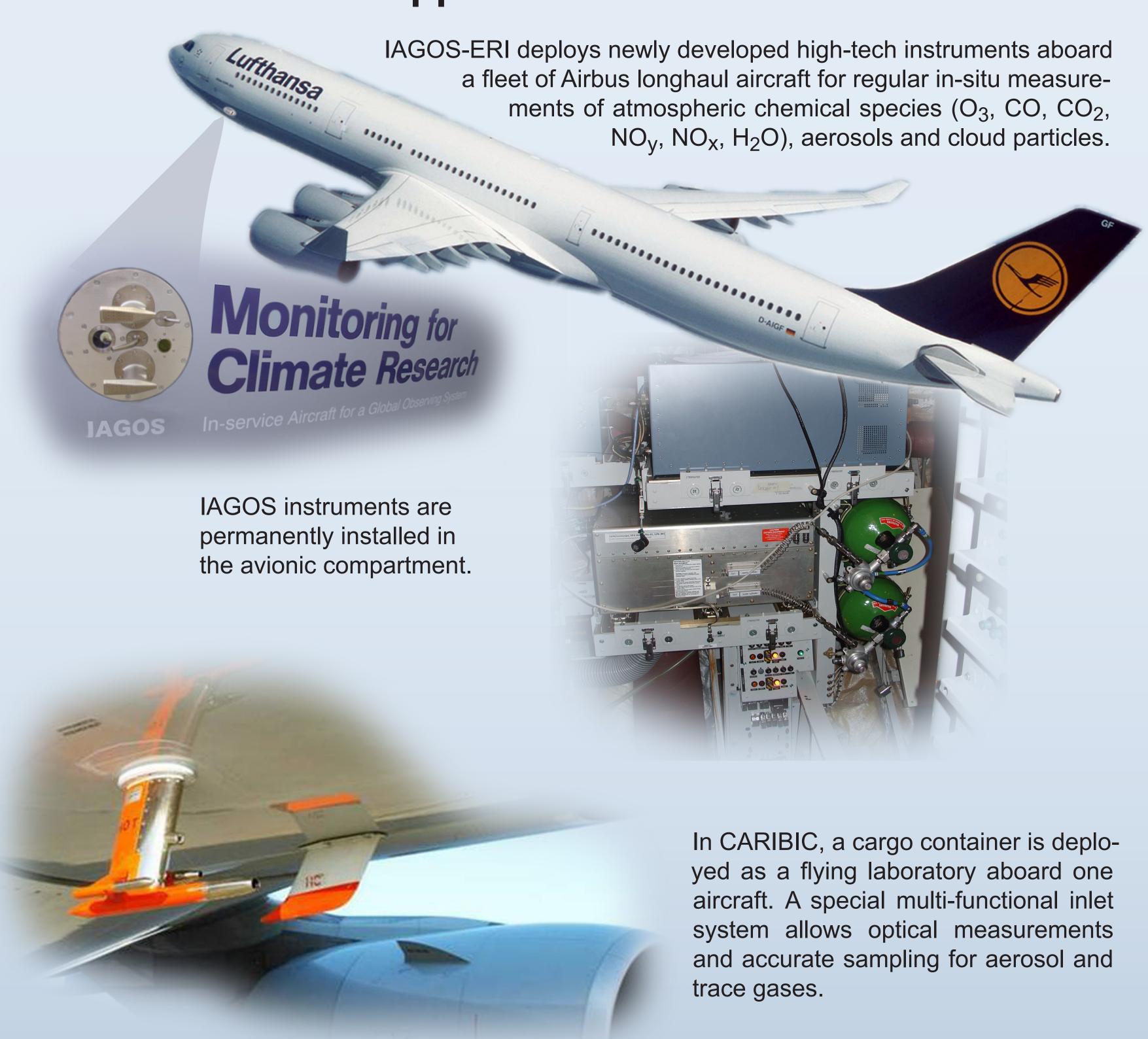
- Modelling of climate change and global air quality
- Air quality forecasting in the GMES Atmospheric Service.
- Verification of CO₂ emissions and Kyoto monitoring
- Numerical weather prediction
- Validation of satellite data products



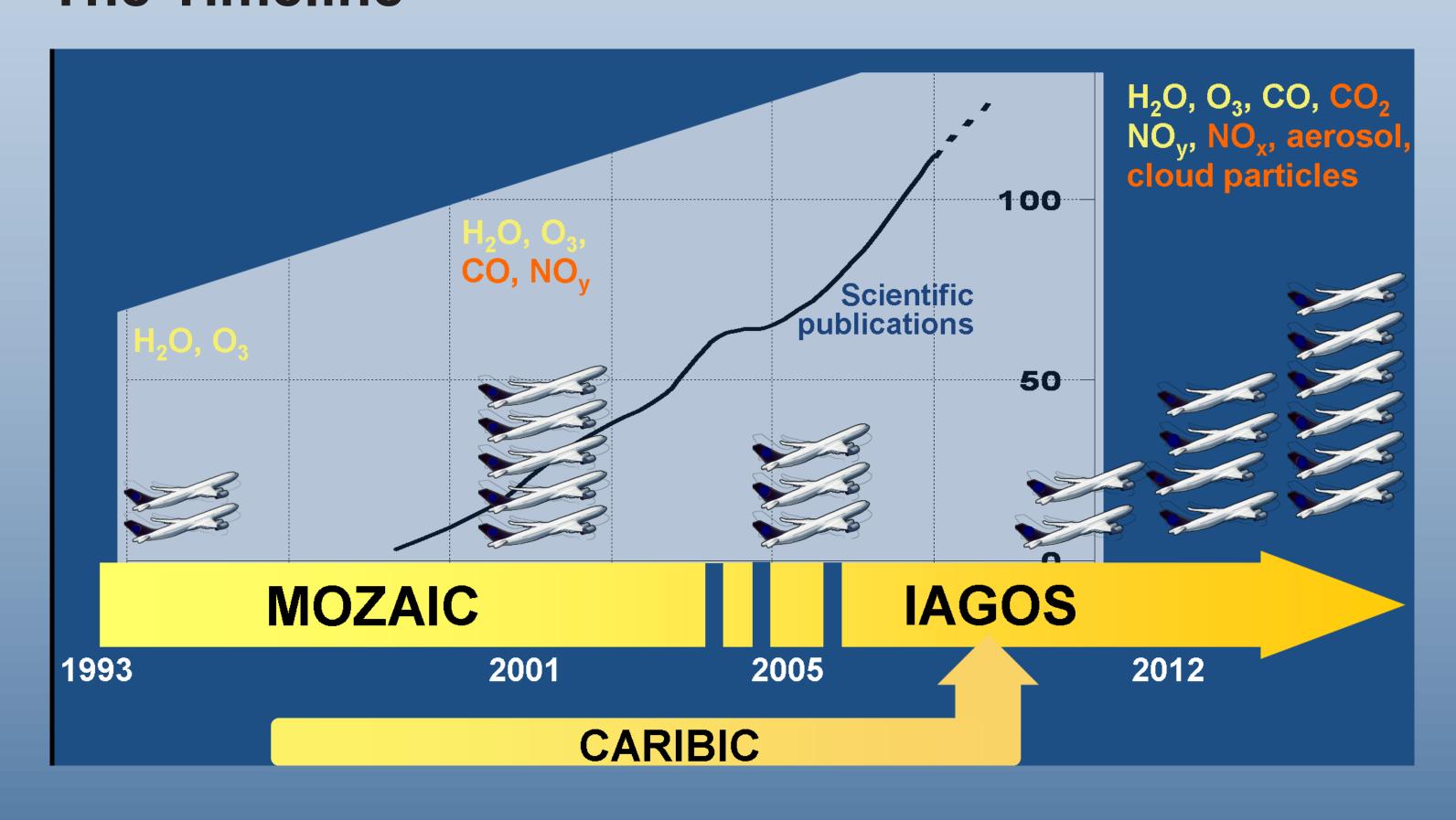
The Costs



The Technical Approach



The Timeline



Coordinator: A.Volz-Thomas, Institut für Chemie und Dynamik der Geosphäre 2, Forschungszentrum Jülich, Germany, a.volz-thomas@fz-juelich.de

www.iagos.org