

**Possibility of extending IAGOS-MOZAIC
airborne observations of Ozone and Carbon Monoxide
Towards Argentina and Southern Atlantic**

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(Presented by Patrick J. Mascart)

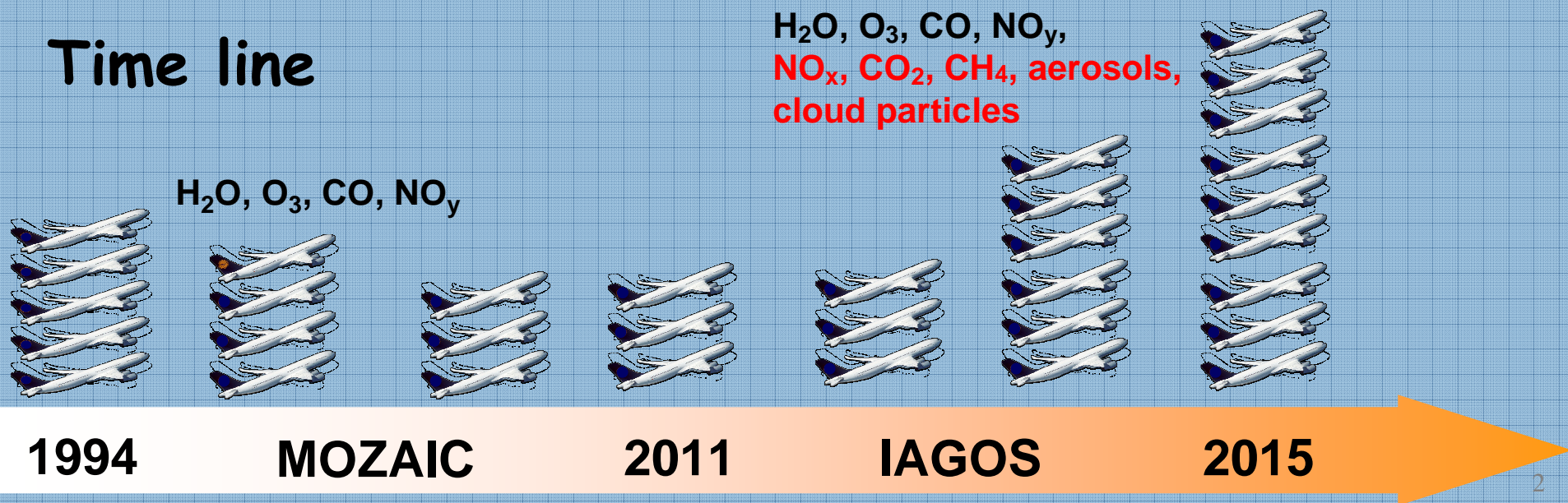


In-service Aircraft for a Global Observing System

<http://www.iagos.org>

- IAGOS is a project for establishing a global network of observations of reactive and greenhouse trace gases with in-situ instrumentation aboard commercial airliners (0-12 km altitude). It aims to build a Research Infrastructure dedicated on the survey of climate and of air quality.
- IAGOS capitalizes on the successful European research program MOZAIC (1994-2011, 32000 flights, 200 peer-review publications, international community of users, <http://mozaic.aero.obs-mip.fr>) and on strong relationships with the aeronautical industry (Airbus & sub-contractors, international airlines)
- IAGOS has got support from many agencies (European Commission, French and German governments, European Environment Agency, World Meteorological Organisation, ...) and airlines (Lufthansa, Air France, China Airlines, Iberia, Cathay Pacific, ...).

Time line

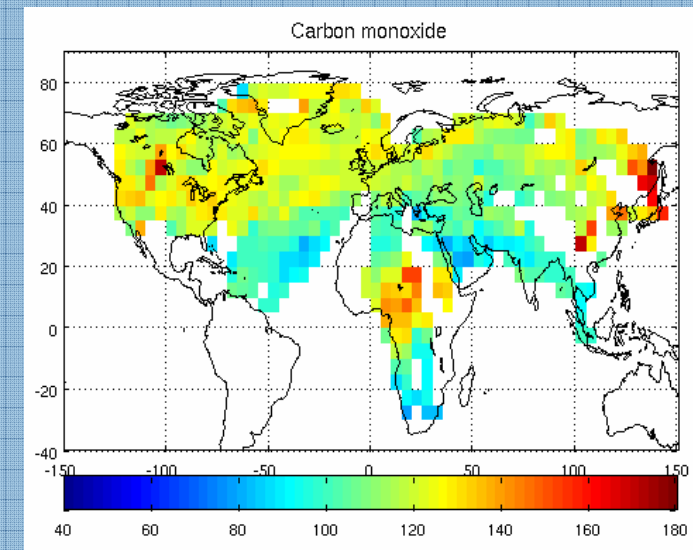


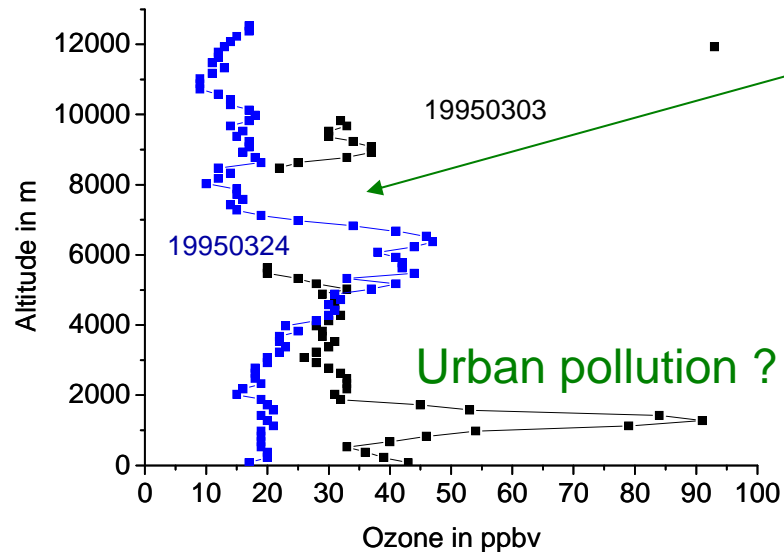
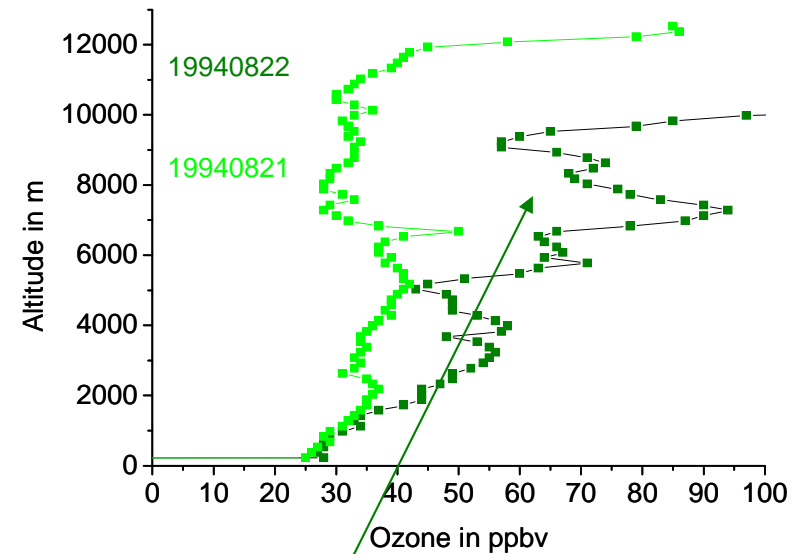
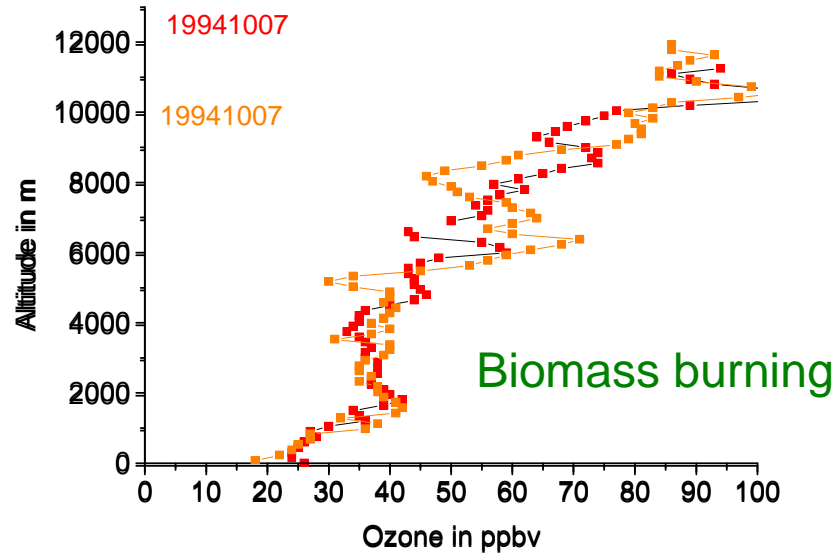


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- France (INSU-CNRS, Météo-F, CNES, ADEME): in charge of instrumentation for O_3 and CO , data processing, near-real and real time data transmission, data base
- Germany (FZJ, DLR, MPI, IFT): in charge of instrumentation for H_2O , and for one package in option: either NO_x , or NO_y , or (CO_2, CH_4) , or aerosols
- United Kingdom (Univ. Manchester): in charge of the backscatter cloud probe
- Airlines: transport free of charge the instrumentation (120 kg) on Airbus A340/A330
- Data policy: open access (WMO resolution 40)
- Legal status: IAGOS aims to become an International Association
- Iberia willing to support IAGOS with flights from Spain to Argentina





➤ **« historic » MOZAIK BUENOS AIRES sample profiles (1994-95, only 14 ..)**

➤ **Except during biomass burning (SON): low concentrations (15-30 ppb), close to surface background measurements from Ushuaia**



Gracias...