



MOZAIC–IAGOS Scientific Symposium on Atmospheric Composition Observations by Commercial Aircraft: 20th Anniversary

12 – 16 May 2014, Toulouse, France

AIRBUS, Conference Centre at Météo-France

- First Announcement -

Climate change, air quality, stratospheric ozone depletion and the oxidizing capacity of the atmosphere are major issues that require detailed long-term observations of atmospheric chemical composition on a global scale. For 20 years MOZAIC and its successor IAGOS successfully have harnessed the potential of commercial passenger aircraft to respond to these needs.

By providing routine observations in the upper troposphere and lowermost stratosphere (UTLS) as well as vertical profiles with high resolution and with uniform quality, MOZAIC/IAGOS have filled a major gap in global atmospheric composition observations. During its history unpredicted findings from these unique aircraft data have significantly enhanced our knowledge of atmospheric processes and trends.

www.iagos.org

Structure and Objective of the Event

The MOZAIC-IAGOS Scientific Symposium is dedicated to celebrate 20 years of MOZAIC and to prospect future insights from its successor IAGOS.

This symposium is meant to highlight the achievements and emphasize the needs of users of observations and related products. We seek to encourage discussions to further link the different communities and to foster further development in research themes. We also seek to further understand the needs of the users both in terms of database functionality and in terms of measurement capacities. The overall objective is to further promote this network of commercial aircraft as a long-term infrastructure. The expected output of the symposium is a publication in a dedicated issue of a recognized high quality open access journal.

Day 1: Celebration of MOZAIC

The objective of the first day is to gather high-level experts to recall the context, history, and strong and long-term commitment from institutes, aeronautical companies and airlines, and European programmes.

- Guy Brasseur: Science Achievements of MOZAIC
- Leonard Barrie: The Role of IAGOS and European Infrastructures in Global Air Chemistry Research
- Gelsomina Pappalardo: Visions for a Future Integrated Global Atmospheric Composition Observations System

This day will end with a reception/dinner, acting as an ice-breaking event for the whole symposium.

Day 2-4: Scientific Symposium

The Scientific Symposium will cover the research fields to which MOZAIC and IAGOS contributed substantially. It will be organized as six plenary sessions with 15 min talks and posters:

- UTLS Chemical Composition and Trends
- Long-Range Transport of Air Pollutants
- Water Vapour and Clouds
- Monitoring Atmospheric Composition, Climate and Air Quality
- Evaluation/Validation of Satellites and Surface Remote Sensing
- Recent and New Technical Developments

Each session will be introduced by an invited speaker to give an overview of the topic with a specific focus on how MOZAIC-IAGOS data contribute to the question.

Contact:

To receive further details, **please notify your interest by sending an e-mail to:**

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