



## WMO/IAGOS Technical Experts Workshop on Requirements of In-Service Aircraft Aerosol Measurement Systems

### Workshop timing and venue

WMO Headquarters, Geneva, CH; for access see [http://www.wmo.int/pages/visitors/index\\_en.html](http://www.wmo.int/pages/visitors/index_en.html)

Salle B, ground level floor; please register at the entrance desk, there you will receive your badge

### Workshop programme

#### 22 March 2011

13:00 – 14:00: Registration

14:00 – 18:00:

#### Introduction and statements of aeronautics industry

- Welcome and purpose of the workshop (Petzold, DLR)
- Recap of the volcanic ash crisis 2010 (Taylor, UK Met Office)
- Key statements from OEM Engines (RR, P&W, Snecma)
- Key statement from OEM Airframes (Airbus, Boeing)
- Introduction to IAGOS (Volz-Thomas)

#### Introductory statements by invited experts

- **Andreas Minikin (DLR, Germany):** Particle and gas phase volcanic ash plume properties, key requirements for in-situ instrumentation with the focus on volcanic ash and mineral dust.
- **Konrad Kandler (TU Darmstadt, Germany):** Overview over chemical composition of volcanic ash and mineral dust particles incl. melting points of compounds.
- **Adam Durant (NILU, Univ. Cambridge):** Instrumentation for volcanic ash plumes based on remote sensing approaches.
- **Costanza Bonadonna (Univ. Geneva, CH):** Properties of volcanic eruption plumes incl. gas phase and particulates.
- **Michael Herzog (Univ. Cambridge, UK):** Microphysical processes, particle transformation and the role of water in plume evolution.
- **Arnau Folch (BSC, ES):** Predictions of far field ash concentrations and particle aggregation in aged volcanic ash plumes.

Identification of key issues for the working groups of Day 2.

**23 March 2011, 09:00 – 12:00:** Break-out working groups

**23 March 2011, 13:00 – 17:00:** Reports of working group rapporteurs

**24 March 2011, 09:00 – 13:00:** Workshop synthesis

End of the workshop: 24 March 2011, 13:00.

#### Contact

For further information, please contact Andreas Petzold (Chair of the Organising Committee) at [andreas.petzold@dlr.de](mailto:andreas.petzold@dlr.de).