



UNIVERSITY OF ICELAND



Icelandic Met
Office



Reiknistofa
í veðurfræði



HÁSKÓLINN Í REYKJAVÍK
REYKJAVIK UNIVERSITY

Measurements and simulation of volcanic ash for civil aviation

Workshop Jan 17th 2012: Orkugarður Grensásvegi 9, Reykjavik Iceland.

Sponsored by: Icelandic CAA, Icelandair, Isavia

Workshop leader: Sigurður M. Garðarsson, Dean Environmental and Civil Eng. U.I.

Programme

9:00 – 9:30 Registration and coffee

9:30 – 9:40 Opening address: Pétur K. Maack, Director General Icelandic CAA

Ash measurements, experience 2010 and 2011

9:45 Eruptions in Eyjafjallajökull, Etna and Grímsvötn, airborne OPC measurements and quality assurance Konradin Weber, UAS, Düsseldorf Germany

10:15 Observations in plumes and vicinity of airports Jonas Eliasson HÍ (UI)

Initial and boundary data acquisition and improvements in modelling

10:45 Airborne Measurements of Volcanic Ash - results from Eyja and the new Met Office Civil Contingency Aircraft Jonathan P. Taylor, UK Met Office

11:15 Observational systems for monitoring of volcanic ash Sibylle von Löwis, Geirfinnur S. Sigurðarson, IMO

11:45 NAME dispersion model, an introduction Jonathan P. Taylor, UK Met Office

12:15 – 13:30 Lunch break

The volcanic ash problem, operational and economic aspects

13:30 Operational aspects and economic implications of the volcanic ash issue Asgeir Pálsson, Isavia.

14:00 Impact of ash crisis on Icelandair operations, Hilmar B. Baldursson, Matthías Sveinbjörnsson

Possible near field models for Iceland

14:30 High resolution models and use of NAME at IMO Guðrún Nína Petersen, Halldór Björnsson, Sigurður Jónsson and Sigurður Þorsteinsson, IMO

15:00 Small unmanned airplanes: In-situ observations of airborne dust/ash and improved local weather forecasts. Ólafur Rögnvaldsson RIV

15:30 Volcanic model assimilation based on airborne data Þorgeir Pálsson HR (RU)

16:00 [Remote sensing] Fred Prata NILU (Pending)

16:30 – 17:00 Summary and refreshments, discussion