Geophysical Research Abstracts,
Vol. 10, EGU2008-A-01827, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-01827
EGU General Assembly 2008

COST Action 735: Development of air-sea gas and particle flux fields

J. Hare and COST-735 Management Committee
COST-735 Management Committee (jeff.hare@uea.ac.uk)

Under the mechanism of the European Cooperation in the field of Scientific and Technical Research (COST), an Action has been developed which seeks to develop global fields of air-sea gas and particle fluxes. To achieve this goal, this Action (number 735) makes use of existing and developing concentration and flux datasets, along with state-of-the-art parameterizations for gas and particle transfer velocities. The Action is a five-year effort to consolidate data and strengthen the network of European and other investigators who conduct experimental and theoretical studies of air-sea gas and aerosol transfer. The initial efforts within the Action-735 include a preliminary census for locating the concentration datasets for priority gas species, development of a Project Integrator to coordinate and stimulate research and flux field development, and the development of the three Working Groups. The three foci of the Action-735 are: 1) Short-lived trace gas production and biological feedbacks (includes DMS, CHBr3, CH3I, MeNO2, isoprene, methanol, etc), 2) The physical processes controlling air-sea exchange (including parameterization development), and 3) The air-sea flux of long-lived climate active gases (CO2, N2O, CH4, and includes investigation of coastal air-sea fluxes). Of high priority to Action-735 is the development of the next generation of air-sea scientists, and thus support has been placed into Short-Term Scientific Missions for young researchers. This presentation will outline the goals of the Action-735 to demonstrate our activities to the European scientific community and to engage the wider audience for participation in the Action.