

Air-sea gas flux climatology: Progress and future Prospects (Brest, France, 24-27 Sept 2013)

In 2010 the European Space Agency and the international SOLAS community came together to support a new initiative towards further exploiting satellite Earth observation data to support and enhance SOLAS science.

From this collaboration the OceanFlux series of projects were funded; three projects, one studying aerosols, one studying upwelling systems and one focussing on improving the quantification of air-sea exchange of greenhouse gases. The latter, called OceanFlux Greenhouse Gases is now in its final year and we are organising an international workshop to present results from all of the OceanFlux projects, for international groups to present their recent research and to plan for future collaborations and challenges.

Key issues of interest

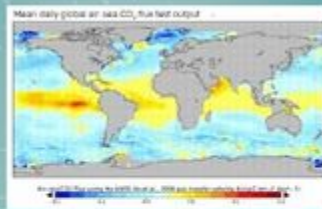
- Identifying key challenges facing the air-sea gas flux community
- Maintaining the ship based observation system
- Maintaining the Earth observation capability
- Addressing remaining gaps in fundamental knowledge
- Understanding and addressing the full set of uncertainties
- Requirements of the climate science and policy communities
- New measurement techniques and opportunities for more autonomous measurements
- New Earth observation missions
- New modelling and statistical techniques
- The expanding capacity of Cloud computing and how it can be exploited

Scientific committee

- David Woolf (U.K.)
- Bertrand Chapron (France)
- Taro Takahashi (U.S.)
- Chris Fairall (U.S.)
- Christoph Garbe (Germany)
- Jamie Shutler (U.K.)
- Craig Donlon (The Netherlands)
- Margaret Yelland (U.K.)

The OceanFlux Greenhouse Gases project

Aims to Improve the quantification of air-sea exchanges of greenhouse gases, of prime importance in the climate system.



SCIENCE WORKSHOP

24-27 Sept. 2013

BREST | FRANCE

Scientists, engineers, and Reference User Group members are invited to attend the Science Workshop which will take place towards the end of the project, to allow the partners to present the results, gain user feedback and to plan future aims and collaborations.

