

2013 Mini-Workshop on Air Sea Interactions: Open Issues and Research Strategies

Date: October 29-30, 2013

Venue: 2nd-Floor Lecture Hall, Institute of Earth Sciences, Academia Sinica

Scope:

1. General concept of air-sea interactions and the implications for climate changes
2. Review of the research on air-sea interactions and identification of the open issues
3. Strategies for initiation of air-sea interaction program in Taiwan

<u>October 29 (Tue) : Pre-Seminar</u>		10:45-11:00	Coffee Break
14:00-14:30	Past, present, and future impact of "very short-lived substances" (VSLs) on stratospheric halogen loading Prof. William Sturges <i>School of Environmental Sciences, University of East Anglia</i>	11:00-11:30	Natural and anthropogenic emissions of halocarbon gases in the S.E. Asian region Prof. William Sturges <i>School of Environmental Sciences, University of East Anglia</i>
14:35-15:05	News on volatile organic compounds at the air sea interface Prof. Jonathan Williams <i>Air chemistry department, Max Planck Institute for Chemistry</i>	11:35-12:05	Trace metal cycling in the surface water of the South China Sea: the importance of atmospheric deposition Dr. Tung-Yuan Ho <i>Research Center for Environmental Changes, Academia Sinica</i>
15:10-15:30	Open Discussion	12:05-13:30	Lunch
<u>October 30 (Wed) : Workshop on Air Sea Interactions</u>		13:30-14:00	Fertilization potential of volcanic dust in carbon fixation and climate feedback in the western North Pacific subtropical ocean Prof. I. I. Lin <i>Department of Atmospheric Sciences, National Taiwan University</i>
9:30-9:40	Opening Prof. Pao Wang <i>Research Center for Environmental Changes, Academia Sinica</i>	14:05-14:35	Open issues for Volatile Organic Compounds (VOC) in marine research Prof. Jonathan Williams <i>Air chemistry department, Max Planck Institute for Chemistry</i>
9:40-10:10	Magnitude and variability of atmospheric deposition flux to the oceans Prof. Timothy Jickells <i>School of Environmental Sciences, University of East Anglia</i>	14:40-15:00	Open Discussion
10:15-10:45	Atmospheric deposition to the oceans and their impact on ocean biogeochemistry Prof. Timothy Jickells <i>School of Environmental Sciences, University of East Anglia</i>	15:10-17:00	Round Table Meeting upon "Development strategies for air-sea interaction study in Taiwan"