

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, particularly in RCEC, Academia Sinica

October 29 (Tue) : Pre-Seminar

- 14:00-14:30 **Past, present, and future impact of "very short-lived substances" (VSLS) on stratospheric halogen loading**
Prof. William Sturges
School of Environmental Sciences, University of East Anglia
- 14:35-15:05 **News on volatile organic compounds at the air sea interface**
Prof. Jonathan Williams
Air chemistry department, Max Planck Institute for Chemistry
- 15:10-15:30 **Open Discussion**

October 30 (Wed) : Workshop on Air Sea Interactions

- 9:30-9:40 **Opening**
Prof. Pao Wang
Research Center for Environmental Changes, Academia Sinica
- 9:40-10:10 **Magnitude and variability of atmospheric deposition flux to the oceans**
Prof. Timothy Jickells
School of Environmental Sciences, University of East Anglia

- 10:15-10:45 **Atmospheric deposition to the oceans and their impact on ocean biogeochemistry**
Prof. Timothy Jickells
School of Environmental Sciences, University of East Anglia
- 10:45-11:00 **Coffee Break**
- 11:00-11:30 **Natural and anthropogenic emissions of halocarbon gases in the S.E. Asian region**
Prof. William Sturges
School of Environmental Sciences, University of East Anglia
- 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
Research Center for Environmental Changes, Academia Sinica
- 12:05-13:30 **Lunch**
- 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
Department of Atmospheric Sciences, National Taiwan University
- 14:05-14:35 **Open issues for Volatile Organic Compounds (VOC) in marine research**
Prof. Jonathan Williams
Air chemistry department, Max Planck Institute for Chemistry
- 14:40-15:00 **Open Discussion**
- 15:10-17:00 **Round Table Meeting upon “Development strategies for air-sea interaction study in Taiwan”**

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- 日期：102年10月29~30日
- 地點：台北市南港區研究院路二段128號
中研院 地球所二樓會議室
- 報名截止日期：102年10月24日

報 名 表

聯絡人姓名		電話		職稱	
單位		E-Mail			
職 稱	參加人員姓名	10月30日午餐		備 註	
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