

## **Blockseminar “Ocean-atmosphere interactions and their role in global change”**

Date: 09 Feb 2009 9:30-16:15 Uhr

Place: Room 2010, Building SFG, Uni Bremen

Organisation: Astrid Bracher (AWI), Annette Ladstätter-Weißmayer (IUP)

### Agenda:

9:30-9:40 Welcome (Annette Ladstätter-Weißmayer, Astrid Bracher)

### **In-situ optical measurements:**

9:40-10:05 “The impact of light in the ocean“ (Martin Hieronimi, IFM-Geomar)

10:05-10:25 “Optical tools for ocean monitoring and research” (Oliver Zielinski, HS Bremerhaven)

10:25-10:45 “Ship-borne radiometric measurements for validation of MERIS remote sensing reflectances in open Atlantic waters” (Anja Theis, AWI Bremerhaven)

10:45-11:05 “Phytoplankton in the Atlantic Ocean - In-situ biooptical measurements for global observation of phytoplankton functional groups” (Bettina Schmitt, AWI Bremerhaven)

### **11:05-11:35 Coffee Break**

11:35-11:55 “Tidal flats in the North Sea and their dynamics under climate change” (Rainer Reuter, University Oldenburg)

11:55-12:15 “In-situ measurements of fluxes of volatile organic compounds from the ocean” (Tom Custer, MPI Mainz)

12:15-12:35 “Oceanic phytoplankton – an unexpected source of various trace gases“ (Ilka Peeken, AWI/MARUM Uni Bremen)

### **12:35-13:45 Lunch Break**

### **Remote Sensing:**

13:45-14:05 “The influence of oceans and ice regions on iodine species in the atmosphere - overview and satellite observations” (Anja Schoenhardt, IUP)

14:05-14:25 “Determination of aerosol optical thickness over ocean for atmospheric corrections” (Wolfgang v. Hoyningen-Huene, IUP)

14:25-14:45 “Remote sensing of phytoplankton and primary production parameters of coastal waters using MERIS” (Roland Doerffer, GKSS)

14:45-15:05 “Remote Sensing of coccolithophore blooms using MERIS data” (Kerstin Ebert, FU Berlin)

**15:05-15:30 Coffee Break**

**Modelling**

15:30-15:50 „Photoadaptation and Chl:C ratios in a global ecosystem model“ (Christoph Völker, AWI Bremerhaven)

15:50-16:10 “The significance of dust for the iron cycle in the subtropical East Atlantic“ (Ying Ye, AWI Bremerhaven)

16:10-16:30 “From the ocean to the stratosphere” (Björn-Martin Sinnhuber, IUP)