

AWI - IUP Blockseminar

Tracers in the Climate System

20 July 2015 / 10:00 - 13:00 hrs

AWI Building F "Glaskasten" in Bremerhaven

The analysis of climate variations in the past, today and tomorrow has broadened our view of the climate system and forces our approach to a more complex theory of climate. The research focuses on the analysis of different climate conditions in the past and the identification of the driving mechanisms to understand the climate change in the past, present and in the future. In the seminar we aim to study the tracers in the climate system including a rich interaction between geology, climatology, biosphere, and surface processes in the Climate System.

Programme:

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| 9:45 | Welcome, tea and coffee |
| 10:00-10:30 | Walter Geibert, AWI, Natural radionuclides in marine sediments as proxies for dust flux, biogenic flux and ocean circulation |
| 10:30-11:00 | Benjamin Rabe, AWI, Freshwater components from tracers in the Arctic and Fram Strait |
| 11:00-11:30 | Mario Hoppema, AWI, Nutrient trends through the Weddell Sea (1996-2011): tracers for changes |
| 11:30-12:00 | Rafael Gonçalves-Araujo, IUP, Biogeochemistry of dissolved organic matter in the Lena delta region |
| 12:00-12:30 | Helmut Fischer, IUP, Fukushima fallout as tracer for urban erosion processes |
| 12:30-13:00 | Bram Sanders, IUP, On the improved satellite observations of aerosol height for climate applications, including case studies |
| 13:00 | Lunch |