

AWI-IUP Blockseminar Summer 2011: Advances in Earth System Modelling

22 June 2011

AWI, Building F, Bussestraße 24, Bremerhaven, Seminar room *Glaskasten* (Ground floor)

Getting there and away:

http://www.awi.de/en/institute/sites/bremerhaven/address_and_route_planner_bremerhaven/

Time	Speaker (Institute)	Title
10:00 – 10.15		Welcome and Introduction
		Methods
10:15 – 10.45	Sergey Danilov (AWI)	Modeling ocean circulation on unstructured meshes
10:45 – 11.15	Stephan Lorenz (MPI-HH)	Ocean model development on triangular C-type grid discretization in the framework of ICON: ICOSahedral Non-hydrostatic GCM
11:15 – 11.30	Coffee Break	
		Methods and C cycle
11:30 – 12.00	Martin Losch (AWI)	Combining observations with numerical ocean models with the adjoint method
12:00 – 12.30	Rainer Schlitzer (AWI)	Applying the Method of Lagrange Multipliers for Marine Carbon Flux Estimation
12:30 – 13.00	Christoph Völker (AWI)	Global cycling of elements and development of RE-coM2.0
13:00 – 14:00	Lunch Break	
		C cycle and atmosphere
14:00 – 14.30	Nicholas Deutscher (IUP)	Using Tagged Tracer Modeling to Understand Variability in Atmospheric CO ₂ and Learn About Carbon Cycle Fluxes
14:30 – 15:00	Rene Hommel (IUP)	Modeling the Earth climate response to the Mt Pinatubo eruption
15:00 – 15.30	Jan Aschmann (IUP)	Transport of very short-lived bromine substances into the stratosphere
15:30 – 15:45	Coffee Break	
		Ice
15:45 – 16.15	Hartmut H Hellmer (AWI)	When will the next shelf ice float in hot waters?
16:15 – 16.45	Dirk Barbi (AWI)	Challenges and Advances in Ice Sheet Modelling
16:45 – 17.00		Final Discussion and Closing
