

Coastal Seas under Pressure - Summer School in Lauenburg and Büsum

	Theme	Who?
Tu 23.9.08	Arrival 19:00 Welcome in Lauenburg	Götz Flöser, GKSS
We 24.9.08	Geology 09:00 Climate change in the North and Baltic Sea: Post-glacial and Recent (Kay Emeis) 10:30 Self-presentation of students I 12:00 <i>Lunch break</i> 14:00 Reactions of the Arctic Coast to Climate Change 15:30 Climate Change signals in Arctic Sediments 18:00 <i>Dinner</i>	Kay Emeis, Uni Hamburg Paul Overduin, AWI Jeremy Lloyd, Durham University, UK
Th 25.9.08	Physical Oceanography 09:00 Ferry Box 10:30 Radar for Current and Seastate measurements 12:00 <i>Lunch break</i> 13:30 Remote Sensing of Ocean Colour 14:30 Tour through GKSS 17:30 <i>Dinner</i> 18:30 <i>canoeing tour</i>	Friedhelm Schroeder, GKSS Friedwart Ziemer, GKSS Wolfgang Schönfeld, GKSS Götz Flöser, GKSS Peter Perthun, GKSS
Fr 26.9.08	Chemical and Oil Pollution in Coastal and Marine Systems 09:00 The problem of persistent pollution - introduction and experimental approaches 10:30 The problem of persistent pollution - statistical and modeling approaches 12:00 <i>Lunch break</i> 13:30 Chemical Pollutants in the Baltic Sea, occurrence and distribution 14:30 Oil and Gas in the Arctic 16:00 Impact of contaminants on marine mammals 18:00 <i>Dinner</i>	Ralf Ebinghaus, GKSS Armin Aulinger, GKSS Detlef Schulz-Bull, IOW Doris Schiedek, NERI, DK Veronika Hellwig, GKSS
evening	<i>concert: Irish Folk</i>	Tom Monaghan, Helena Flöser
Sa 27.9.08	Transfer to Büsum 15:00 Visit to Multimar Wattforum, Tönning 17:00 Self-presentation of students II	
Su 28.9.08	10:00 Trip to Eidersperrwerk, Tönning, Friedrichstadt settlement history of Dithmarschen	Klaus Ricklefs, FTZ Dirk Meyer, FTZ
Mo 29.9.08	Energy Day 09:00 Energy and Sustainability 10:00 Trip to wind power station and oil production facility	Klaus Vanselow, FTZ Ricklefs / Vanselow; FTZ

18:00	<i>Dinner</i>	
Tu 30.9.08	<i>Nutrients and Biology</i>	
09:00	Decadal changes in nutrient supply and primary production in the North and Wadden Sea	Justus van Beusekom, AWI
10:30	Nutrient concentrations, trends and their relation to eutrophication in the Baltic Sea	Günther Nausch, IOW
12:00	<i>Lunch break</i>	
14:00	Ecosystem shifts in polar regions due to climate change	Ulrich Bathmann, AWI
15:30	Südfall - cruise with CTD and plankton net, group 1	Ricklefs / Vanselow; FTZ
18:00	<i>Dinner</i>	
We 1.10.08	<i>Biology in the North and Baltic Sea</i>	
09:00	Ecosystems in the Coastal Zone - global and regional aspects	Ragnhild Asmus, AWI
10:30	Aquaculture	Carsten Schulz, FTZ
12:00	<i>Lunch break</i>	
14:00	Geological History of the Wadden Sea	Klaus Ricklefs, FTZ
15:30	Südfall - cruise with CTD and plankton net, group 2	Ricklefs / Vanselow; FTZ
18:00	<i>Dinner</i>	
Th 2.10.08	<i>Ecosystem Modelling</i>	
08:30	Ecosystem Modelling: Basics	Carole Lebreton, GKSS
10:00	Ecological Modelling: Exercises	Carole Lebreton, GKSS
11:30	Optimizing coastal ecosystem models: a case study in the German Bight	Jian Su, GKSS
12:00	<i>Lunch break</i>	
13:30	Introduction into Ecosystem Modelling on the basis of the ERSEM model	Hermann Lenhart, ZMAW Hamburg
14:15	Carbon and Nitrogen Cycling of the North Sea	Wilfried Kühn, ZMAW Hamburg
15:30	Ecosystem Modelling in Relation to Eutrophication	Hermann Lenhart, ZMAW Hamburg
16:15	Modelling Larvae Growth and Dispersion	Wilfried Kühn, ZMAW Hamburg
18:00	<i>Dinner</i>	
Fr 3.10.08	Trip to tidal flats, low water 9:35	Klaus Ricklefs, FTZ
13:00	<i>Lunch</i>	
14:00	ICZM role play	Stefanie Maack, IOW
18:00	<i>Barbecue and goodbye party</i>	Gerd Schnell, Klaus Ricklefs
Sa 4.10.08	Departure	