**June 21- 23, 2011, University of Klaipeda**

In the framework of the BONUS+ Project AMBER (Assessment and Modelling Baltic Ecosystem Response) a workshop will take place for Ph.D. students from countries around the Baltic Sea. The students should become familiar with fundamental principles of modelling and should learn the application of ECOPATH/ECOSIM to a given data set and the development of sustainable fisheries.

**Topics:** Philosophy of modelling, numerical nitti gritti, model construction, types of models, hydrodynamical and ecosystem Models, Application of ECOPATH and ECOSIM

**Tenative programme**

**June 21, Klaipeda Science & Technology park. Manto 84, Klaipeda, Lithuania**

**Opening 10:00-10:20 Joachim W. Dippner „Introduction to AMBER“**

**10:30 -12:00 Joachim W. Dippner „Introduction to numerical modelling - philosophy, numerical problems and types of models“**

**12:00-13:00 Lunch**

**13:00-14:30 Georg Umgiesser „Numerical discretisation techniques in modelling hydrodynamic of coastal systems: FEM approach“**

**14:30 - 16:00 Petras Zemlys „Linking hydraulic circulation and biogeochemical models: example from the Curonian lagoon“**

**16:00 -18:00 Ali Erturk „Linking NPZD models to the ECOPATH/ECOSIM“**

**June 22, Klaipeda Science & Technology park. Manto 84, Klaipeda, Lithuania**

**9:00 – 10:00 Artūras Razinkovas-Baziukas „Introduction to the ECOPATH/ECOSIM“**

**10:00 – 10:15 Coffee break**

**10:15 – 12:00 ECOPATH/ECOSIM Interactive exercises ( A. Razinokvas-Baziukas, R. Uznytė, A. Erturk)**

**12:00-13:00 Lunch**

**13:00 -18:00 ECOPATH/ECOSIM Interactive exercises ( A. Razinokvas-Baziukas, R. Uznytė, A. Erturk)**

**June 23, Curonian lagoon**

**9:00 - Excursion to the Nemunas delta and the Curonian lagoon**