

# **Ecosystem models and their applicability for the Benguela Upwelling Area**

**GENUS, 24. Juni 2009, IOW**

9:30 Bodo v. Bodungen

**Welcome**

9:35 – 10:15 Martin Schmidt, IOW

**Introduction of basic concepts for ecosystem modelling:**

- Modelling the transport of dissolved and suspended substances
- Growth, grazing, death and mineralization as flow of matter through the trophic levels of an ecosystem

10:30 – 10:50 Volker Mohrholz, IOW

**Direct coupling of physical conditions to the state of the Benguela ecosystem**

10:50 – 11:20 Martin Schmidt, IOW

**A coupled biogeochemical model of the Southern Atlantic – design and results**

11:20 – 11:50 Thomas Neumann, IOW

**State-resolving descriptions of zooplankton**

11:50 – 13:30

**Discussion, Lunch**

13:30 – 14:30 Holger Auel, Uni Bremen

**Application of the model system „ECOPATH“**

14:30 -15:00 NN (All participants could contribute here)

**Challenges for ecosystem models of Benguela upwelling system**

15:00 – 15:30

**Coffee-Break, Discussion**

15:30 – 16:00 Wolfgang Fennel, IOW

**What about fish? New concepts for the description of fish stock dynamics**

16:00 – 16:30 Martin Schmidt, IOW

**Introduction of LAS-Servers as a tool for data exchange**