

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