

BIO-C3/BAMBI/INSPIRE Summer school 2015 - Agenda

| | Sunday, July 5 | Monday, July 6 | Tuesday, July 7 | |
|--------------|--|---|--|--|
| | Arrival day | Baltic environmental dynamics; Baltic fish reproduction | Baltic species distributions, ecophysiology & adaptation | |
| 8:30 - 10:00 | | <i>Welcome and Introduction to the summer school</i> (J. Dierking) Focus topic: <i>Baltic environmental dynamics</i> <i>Past, present & future environment of the Baltic Sea</i> (H. Andersson) | <i>Spatio-temporal changes in Baltic fish populations: Patterns, causes and consequences</i> (M. Casini) | |
| 10:30-12:00 | | Major Baltic inflow events (Andreas Lehmann) | Ecophysiology of marine animals in the Baltic Sea (F. Melzner) | |
| Lunch | | | | |
| 13:30-15:00 | | | Focus topic: <i>Adaptation</i> | |
| | 14:00 GEOMAR westshore tour Experimental facilities Aquarium | Climate-change modelling of the Baltic (H. Andersson) | Adaptation (K. Johannesson) | |
| 15:30-17:00 | Benthokosmen (Reusch, Hiebenthal, Pansch) | How do climate change models work & do we need them? (Lecture/Exercise) (H. Andersson) | Not adaptation (K. Johannesson) | |
| | 16:30 Departure from GEOMAR by bus to Artefact center, Glücksburg (possibility to join group there) | Reproduction of marine fishes in the Baltic & Adaptations to brackish water (A. Nissling) | | |
| 17:00-18:30 | | Principles of egg buoyancy experiments (Practical incl. 20 min lecture) (C. Petereit) | Guided tour of artefact "Renewable energy" exposition (W. Kiwitt, artefact) | |
| Dinner | BBQ | | | |
| After dinner | 19:00 BBQ, Beers & Brainstorming | Poster/presentation session The Science of BIO-C3/BAMBI/INSPIRE (everyone short 2 min intro to project, poster) | Poster/presentation session (finish) The Science of BIO-C3/BAMBI/INSPIRE (everyone short 2 min intro to project, poster) | |

| | Wednesday, July 8 | Thursday, July 9 | Friday, July 10 | Sat, July 11 |
|--------------|--|---|--|---|
| | Focus topic: Ecosystem based management | Fieldtrip day! | Synthesis day | Departure day |
| 8:30 - 10:00 | <i>What are EBM & EBFM: Basic principles of ecosystem based management</i> (C. Möllmann) | Fieldtrip "Coastal ecology" Flensburg Fjord - Geltinger Birk (Reusch, Dierking, Mittermeyer Meyer, Heckwolf etc.) | <i>The Baltic - a model for the global future ocean?</i> T. Reusch | Bus to Kiel at 9:30 Arrival GEOMAR ~ 11:30 Summer school end |
| 10:30:12:00 | <i>Implementing the EU Marine Strategy Framework Directive - A marine ecologist's perspective</i> (1lecture + dicussion) (Piotr Margonski) | Group work: Synthesize fieldtrip observations | Discussion forum <i>The Baltic - a model for the global future ocean?</i> Wrap up | |
| Lunch | | Pic nic | | |
| 13:30-15:00 | <i>EBM applied to the Baltic Sea</i> (Exercise) Group exercise (C. Möllmann and P. Margonski) | Presentation & discussion of group findings Return to Artefact location | Bus transfer to hiking location | |
| 15:30-17:00 | Focus topic: Invasion biology <i>Basic principles of Invasion Biology</i> (20 min) <i>Vectors of species introductions</i> (20 min) <i>Invasions in the Great Lakes vs. the Baltic Sea</i> (20 min) (E. Briski and I. Casties) | TBA | Hike on the Geltinger Birk nature reserve Guided tour of wetlands and bird fauna (N. Kobarg, LLUR) | |
| 17:00-18:30 | Discussion: Invasion biology and the Baltic Sea Students please study papers supplied by lecturers in advance! (E. Briski and I. Casties) | Discussion: links between BONUS projects Young scientists talk about knowledge gaps & integrative project ideas/collaborations Discuss young scientist network BIO-C3/BAMBI/INSPIRE | | |
| Dinner | | BBQ | Final dinner at "Möwe Jonathan", Geltinger Birk | |
| After dinner | Short introduction to tomorrow's fieldtrip Preparation of fieldtrip group work | | | |