Physical Oceanography in Denmark

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Understanding and Observing Greenland

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Dahl et al. 2013
CIC employs about 40 people, the rest of Geophysics at NBI consists of 3 meteorologists, and 10 physical oceanographers:
1 professor, 3 postdocs, 2 PhD students and 4 M.Sc. students

Here is what we do:

Herr Professor Dr. Jochum:
Postdocs

Brian Soerensen

Danish Center for Climate Computing
PRACE – Partnership for Advanced Computing in Europe
Stochastic Forcing of Subpolar Gyre

NN
Tropical Mixed Layer Physics
part of EU proposal on predictability of Atlantic Climate, led by Keenlyside, Bergen

NN
Sudden Climate Transitions
part of EU proposal on sea-ice / ice sheet interaction, led by Eystein, Bergen
PhD students

Hannah Kleppin (2015)
Sudden Climate transitions in CESM

Jonas Bluethgen (2015)
Ocean Physics and Resolution
MSc students

Ida Ringaard (2014)
NIWs in the Arctic Halocline of the DMI HYCOM

Turid Laksa (2014)
Tropical NIWs in moorings and models (CESM)

Soeren Borg and Jonathan Rheinlaender (2015)
Watermass Census on the Siberian Shelf
MSc students

Ida Ringaard (2014)
NIWs in the Arctic Halocline of the DMI HYCOM

Turid Laksa (2014)
Tropical NIWs in moorings and models (CESM)

Soeren Borg and Jonathan Rheinlaender (2015)
Watermass Census on the Siberian Shelf
Circumarctic Expedition of Activ (2014/15)
Scandinavian Summers

Annual Summer School on Watermass Transformation in the Nordic Seas at Bornoe Stationen

with C. Eden, IfM Hamburg & T. Jung, AWI Bremerhaven
Goal

- use GCMs to test Pleistocene hypotheses
- train the next generation of Danish oceanographers
- keep the group size between the critical and manageable
- spend the summers on Bornoe