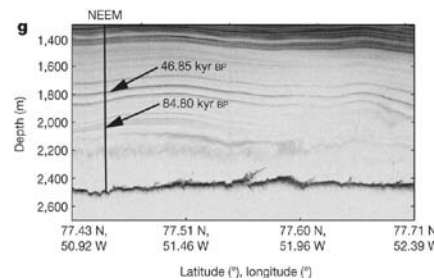
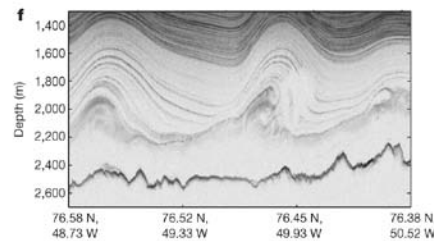
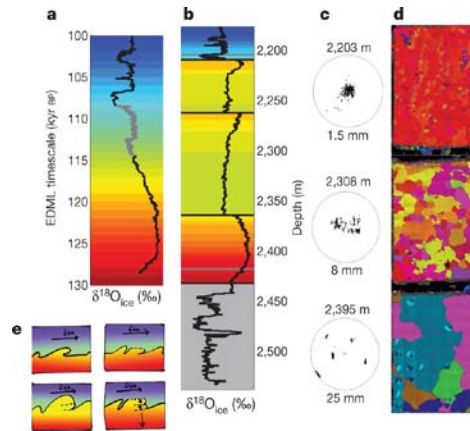


Physical Oceanography in Denmark

Markus Jochum
Niels Bohr Institute, Copenhagen



Understanding and Observing Greenland



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 Ringgaard (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



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NIWs in the Arctic Halocline of the DMI HYCOM

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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 Borneo Stationen

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



Goals

- 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 Borneo

