

**Bidrag fra Geofysisk institutt / Bjerknessenteret
EGU-møte - Wien 13. – 18. April 2008**

<http://meetings.copernicus.org/egu2008/>

Abrahamsen, E. P.; Nicholls, K. W.; Østerhus, S.:

[Circulation beneath Fimbul Ice Shelf investigated using an AUV and numerical model](#)

Ágústsson, H.; Ólafsson, H.:

[Gravity-wave induced downslope windstorms in SE-Iceland](#)

Ágústsson, H.; Ólafsson, H.:

[Forecasting wind gusts in complex terrain](#)

Arason, P.; Ólafsson, H.; Ágústsson, H.; Brynjólfsson, S.:

[Precipitation observations during the SKUR experiment](#)

Babiker, M; Miles, M; Johannessen, O; Sandven, S:

[Solid-ice flux indicators from Petermann glacier, north Greenland: interannual to decadal variability](#)

Benestad, R.E.; Senan, R.; Kindem, I.T.; Orsolini, Y.J.; Melsom, A.:

[Arctic influence and month-to-season scale predictability over northern Europe](#)

Bernard, C; Heinze, C; Dürr, H:

[Contribution of riverine nutrients to the biogeochemistry of the global ocean.](#)

Bobylev, L.; Kuzmina, S.; Shalina, E.; Johannessen, O.M.; Pettersson, L.:

[Climate changes in the Arctic in the 20th and 21st centuries from observations and modeling and their impact on the navigation at the Northern Sea Route](#)

Damm, E.; Kiene, R.; Schwarz, J.; Falck, E.; Dieckmann, G.:

[Methane cycling and its relationship with DMSP during a phytoplankton bloom](#)

Einarsson, E. M.; Ólafsson, H.:

[Errors in synoptic-scale windstorm forecasting](#)

Fagerli, S. A.; Kvamstø, N. G.; Bader, J.:

[Atmospheric response to a zonally averaged SST distribution in the North Atlantic](#)

Falck, E.; Budéus, G.; Kattner, G.; Jones, E.P.:

[Fresh water in the northern East Greenland Current from 1982 through 2005](#)

Hagen, B.; Tveita, B.; Sandvik, A. D.; Ólafsson, H.:

[Extreme winds in the Nordic Seas](#)

Hansen, B; Hatun, H; Østerhus, S; Quadfasel, D; Jonsson, S; Valdimarsson, H; Turrell, B; Hughes, S; Sherwin, T:

[Monitoring the exchanges between the Atlantic and the Arctic across the Greenland-Scotland Ridge](#)

Haugan, P.M.; Alendal, G.; Enstad, L.I.; Rygg, K.:

[Carbon sequestration: Significant for 21st century ocean carbon storage?](#)

Heinze, C.:

[Is the present ocean carbon data base sufficient for calibrating prognostic models?](#)

Heinze, C.:

[The oceanic carbon sink - processes, timescales, and impacts](#)

Hutterli, M. A.; Huthwelker, T.; Miedaner, M. M.; Enzmann, F.; Ammann, M.; Schneebeli, M.; Maus, S.; Stampanoni, M.; Jones, A. E.; Wolff, E. W.:

[A 3D X-ray micro computer tomography perspective of sea ice, frost flowers and snow as sources of reactive halogens](#)

Jeansson, E.; Olsson, K.A.; Tanhua, T.; Johannessen, T.:

[Recent changes in the Greenland Sea: Tracers and Hydrography](#)

Jenkins, A.D.:

[Aspects of incorporating surface wave spectral information in an ocean turbulence mode](#)

Johannessen, O.M.; Bethke, I.; Myrmehl, C.:

[Decreasing arctic sea ice mirrors increasing greenhouse gases](#)

Jonassen, M.; Reuder, J.:

[Determination of temperature and humidity profiles in the atmospheric boundary layer by fast ascending UAVs](#)

Khvorostovsky, K.S; Johannessen, O.M; Chen, L.; Miles, M.W:

[Elevation change of the Greenland Ice Sheet from the merged ERS-1, ERS-2 and Envisat satellite radar altimetry](#)

Korablev, A.; Johannessen, O.M.; Pnyushkov, A.; Smirnov, A.; Khayretdinova, L.:

[Detection of the climatic signals propagated across Nolso-Flugga line by means of objective and cluster analysis](#)

Kravik, R.; Ólafsson, H.; Sorteberg, A.:

[Avalanches in Scandinavia in a future climate](#)

Lauvset, S.K.; Olsen, A.; Johannessen, T.; Neill, C.; CARBOOCEAN team:

[Assessment of the temporal and spatial changes of surface ocean fCO₂ in the Nordic Seas, Barents Sea and northern North Atlantic \(solicited\)](#)

Lohmann, K.; **Drange, H.**; Bentsen, M.:

[Response of the North Atlantic subpolar gyre to persistent North Atlantic Oscillation like forcing](#)

Medhaug, I.; **Olseth, J.A.**; **Reuder, J.**:

[Reconstruction of UV-radiation in Norway](#)

Ólafsson, H.; **Ágústsson, H.**:

[Idealized simulations of the sea breeze in Iceland](#)

Ólafsson, H.; **Ágústsson, H.**:

[Mesoscale flow structures in strong easterly winds over S-Greenland](#)

Ólafsson, H.; **Arason, P.**; **Brynjólfsson, S.**; **Ágústsson, H.**:

[Strong precipitation gradients and the associated atmospheric flow in the mesoscale mountain range experiment SKUR](#)

Ólafsson, H.; **Kravik, R.**; **Sorteberg, A.**:

[Avalanches in past and future climate in Iceland](#)

Ólafsson, H.; **Petersen, G. N.**; **Kristjánsson, J. E.**; **Renfrew, I.**; **Moore, G.W.K.**:

[The South-Iceland Wake](#)

Olsson, K.A.; **Jeansson, E.**; **Messias, M.-J.**; **Kasajima, Y.**; **Johannessen, T.**:

[Pathway and mixing of Greenland Sea water to the Faroe area and the Iceland Basin](#)

Omar, A.; **Heegaard, E.**; **Olsen, A.**; **Johannessen, T.**; **Thomas, H.**:

[Air-sea CO₂ flux in the North Sea: spatio-temporal variability and uncertainty of the estimates](#)

Orsolini, Y.; **Kvamstø, N.**; **Sorteberg, A.**:

[Impact of snow cover on inter-annual variability of the NH winter circulation in an ensemble GCM simulation forced by satellite observations](#)

Pfeil, B.; **Olsen, A.**; **Bakker, D.**; **Dittert, N.**:

[Surface Ocean CO₂ global dataset](#)

Pfeil, B.:

[CO₂ data management: the coastal areas](#)

Reinertsen Langehaug, H.; **Falck, E.**:

[Interannual variations of the water masses in the Fram Strait](#)

Renfrew, I.; **Moore, G.**; **Kristjánsson, J.**; **Ólafsson, H.**; **Gray, S.**; **Petersen, G.**:

[The Greenland flow distortion experiment](#)

Reuder, J.; **Egger, J.**; **Ólafsson, H.**; **THE FLOHOF TEAM**:

[The FLOW Over and around HOFsjökull \(FLOHOF\) experiment](#)

Rögnvaldsson, Ó.; Bao, J.-W.; Ágústsson, H.; Ólafsson, H.:
[Sensitivity studies of simulations of a downslope windstorm](#)

Samuelsen, E.M.; Ólafsson, H.; Grønås, S.:
[The Sørøysundet Gap Wind](#)

Sandven, S.; Johannessen, O. M.; Bobylev, L.; Dahlin, H.:
[Arctic Regional Ocean Observing System](#)

Segschneider, J; Bopp, L; Heinze, C; Joos, F; Froehlicher, T:
[Reducing uncertainties of oceanic CO2 uptake estimates: A multi model approach](#)

Skjelvan, I.:
[Carbon time series at Ocean Weather Station M](#)

Jerry Tjiputra; Christoph Heinze; Karen Assmann; Ingo Bethke; Christophe Sturm:
[Analysis of land and ocean carbon cycle feedback to future climate change using an earth system modeling approach](#)

J. F. Tjiputra, A. M. E. Winguth:
[Adjoint sensitivity of the air-sea CO2 flux to ecosystem parameterization in a three-dimensional global ocean carbon cycle model](#)

Tveita, B.; Hagen, B.; Sandvik, A. D.; Ólafsson, H.:
[Forecasting extreme winds in the Nordic Seas](#)

Volbers, A.; Heinze, C.; Pfeil, B.; Høiland, H.; De Baar, H.; [CARBOOCEAN Consortium:](#)
[The CARBOOCEAN Integrated Project: Europe's motor for a marine carbon sources and sinks assessment](#)

Østerhus, S.:
[Station M, the Eulerian Observatory of the Norwegian Sea](#)