

**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, Þ.; 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.:**  
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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.:**  
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**Heinze, C.:**  
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**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.; Stapanoni, 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.:

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**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 fCO<sub>2</sub> 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.:**  
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**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 CO<sub>2</sub> 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 CO<sub>2</sub> global dataset](#)**

**Pfeil, B.:**  
**[CO<sub>2</sub> 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](#)

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

Samuelsen, E.M.; **Ólafsson, H.**; Grønås, S.:  
[The Sørøvsundet 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](#)

