

Publikationen Junior Research Groups

Autor	Jahr	Titel	Quelle
<b>Baehr, Johanna (seit 01/2009 am KlimaCampus)</b>			
Baehr, J.	2010	An observation-based detection variable for the meridional overturning circulation at 26N in the Atlantic, submitted to Deep Sea Research US-AMOC Special Issue	available at <a href="http://www.ifm.zmaw.de/mitarbeiter/prof-dr-johanna-baehr/">http://www.ifm.zmaw.de/mitarbeiter/prof-dr-johanna-baehr/</a>
Baehr, J.	2010	Influence of the RAPID/MOCHA and Florida Current Cable data on the ECCO-GODAE ocean state estimate	Journal of Physical Oceanography, 40, 865-879
R. Piontek, J. Baehr, L. Kornblueh, W. Müller, H. Haak, M. Botzet and D. Matei	2010	Nudging atmosphere and ocean reanalyses for seasonal climate predictions.	Geophysical Research Abstracts, Vol. 12, EGU2010-13972
J. Baehr	2010	An observation-based detection variable for the meridional overturning circulation at 26N in the Atlantic	Geophysical Research Abstracts, Vol. 12, EGU2010-6471
Baehr, J., et al.	2009	Observed and simulated daily variability of the meridional overturning circulation at 26.5°N in the Atlantic.	Ocean Science, 5, 575-589
J. Baehr, C. Evangelinos, and C. Wunsch	2009	An ECCO-GODAE adjusted GRACE geoid estimate with uncertainty	Geophysical Research Abstracts, Vol. 11, EGU2009-8642
Cunningham et al.	2009	The present and future system for measuring the Atlantic meridional overturning circulation and heat transport.	Ocean Obs'09 Community White Paper; <a href="https://abstracts.congrex.com/scripts/jmevent/abstracts/FCXNL-09A02a-1660692-1-cwp2b02.pdf">https://abstracts.congrex.com/scripts/jmevent/abstracts/FCXNL-09A02a-1660692-1-cwp2b02.pdf</a>
Baehr, J., et al.	2009	Testing concepts for continuous monitoring of the meridional overturning circulation in the South Atlantic.	Ocean Modelling, 29, 147-153
<b>Behrens, Jörn (seit 10/2009 am KlimaCampus)</b>			
Behrens, J.	2010	Efficiency for adaptive triangular meshes: key issues of future approaches	in Earth System Modeling (Budich, R. and Redler, R.), in review.
Androsov, A., Behrens, J., and Danilov, S.	2010	Tsunami modelling with unstructured grids	Interaction between tides and tsunami waves, in review.
Behrens, J.	2010	Numerical Methods in Support of Advanced Tsunami Early Warning.	in Handbook of Geomathematics (Freeden, W.), Springer Verlag, Berlin, Heidelberg.
Behrens, J., Androsov, A., Babeyko, A. Y., Harig, S., Klaschka, F., and Mentrup, L.	2010	A new multi-sensor approach to simulation assisted tsunami early warning.	Hazards Earth Syst. Sci., 10:1085-1100
Müller, A., Behrens, J., Giraldo, F.-X., and Wirth, V.	2010	An Adaptive Discontinuous Galerkin Method for Modeling Cumulus Clouds	in V European Conference on Computational Fluid Dynamics ECCOMAS CFD 2010 (Pereira, J.-C.-F. and Sequeira, A.), Lisbon, Portugal.
Joern Behrens (1), Alexey Androsov (2), Sven Harig (2), Florian Klaschka (2), Lars Mentrup (3), Widodo	2010	Uncertainty reduction in near-field tsunami warning	in: Geophysical Research Abstracts Vol. 12, EGU2010-15163, 2010 EGU General Assembly 2010
Pranowo (2,4), and Claudia Wekerle (2)	2010	TsunaFLASH Benchmark and Its Verifications	in: Geophysical Research Abstracts Vol. 12, EGU2010-8683, 2010 EGU General Assembly 2010
Alexey Androsov (1), Jörn Behrens (2), and Sergey Danilov (1)	2010	Nonlinear interaction tsunami and tidal waves	in: Geophysical Research Abstracts Vol. 12, EGU2010-5144, 2010 EGU General Assembly 2010
J. Behrens, A. Androsov, S. Harig, F. Klaschka, W. S. Pranowo, J. Schröter, and W. Hiller	2009	Dealing with uncertainty in the simulation-based situation assessment of the GITEWS tsunami early warning system	in: Geophysical Research Abstracts, Vol. 11, EGU2009-0, 2009 EGU General Assembly 2009
K. Fieg, W. Hiller, J. Behrens, and F. Klaschka	2009	Coupling unstructured grid models to OASIS4	in: Geophysical Research Abstracts, Vol. 11, EGU2009-12189, 2009 EGU General Assembly 2009
Androsov, A., and Behrens, J. and Danilov, S.	2009	Modelling of tsunami generation from underwater landslides in the Storegga area, propagation and tide-tsunami interactions in the North Sea.	in: Geophysical Research Abstracts, Vol. 11, EGU2009-0, 2009 EGU General Assembly 2009
Behrens, J. and Bader, M.	2009	Efficiency Considerations in Triangular Adaptive Mesh Refinement.	Phil. Trans. R. Soc. A, 367:4577-4589
Wekerle, C. and Harig, S. and Pranowo, W. and Behrens, J. and Androsov, A. and Schröter, J. and Hiller, W.	2009	Simulation of the minor tsunami generated by the September 30 2009 earthquake near Padang, Sumatra	in: EOS Trans. AGU, 90 (52) Fall Meeting Suppl., Abstract U13E-2078
Behrens, J.	2008	TsunAWI - Unstructured Mesh Finite Element Model for the Computation of Tsunami Scenarios with Inundation	In: Proceedings of NAFEMS Seminar: Simulation of Complex Flows (CFD) - Applications and Trends, pp 6-1 ff.
Bader, M. and Schraufstetter, S. and Vigh, C. A. and Behrens, J.	2008	Memory Efficient Adaptive Mesh Generation and Implementation of Multigrid Algorithms Using Sierpinski Curves	In: International Journal of Computational Science and Engineering, Vol.4 (1), pp. 12-21
Behrens, J. and Androsov, A. and Harig, S. and Klaschka, F. and Mentrup, L. and Pranowo, W. S.	2008	The GITEWS Tsunami Simulation System based on Multi-Sensor Inversion	in: EOS Trans. AGU, 89 (53) Fall Meeting Suppl., Abstract OS43D-1328
Behrens, J.	2008	Unstrukturierte finite Elemente Simulationen für die Tsunami-Frühwarnung in Indonesien	In: NAFEMS Magazin, Vol.10, pp.41-51

Harig, S. and Chaeroni and Pranowo, W. S. and Behrens, J	2008	Tsunami simulations on several scales: Comparison of approaches with unstructured meshes and nested grids	In: Ocean Dynamics, Vol 58, pp.429–440
Läuter, M. and Handorf, D. and Rakowsky, N. and Behrens, J. and Frickenhaus, S. and Best, M. and Dethloff, K. and Hiller, W	2007	A Parallel Adaptive Barotropic Model of the Atmosphere	In: Journal of Computational Physics, Vol. 223, No. 2, pp.609--628
Mentrup, L. and Behrens, J. and Harig, S. and Pranowo, W.	2007	Derivative-based Sensitivity Analysis for Tsunami Scenario Computations in Support of the German Contribution to the Indonesian Tsunami Early Warning System for the Indian Ocean	in: EOS Trans. AGU, 88 (52) Fall Meeting Suppl., Abstract S53A-1023
Harig, S. and Chaeroni, C. and Androsov, A. and Behrens, J. and Braune, S. and Mentrup, L. and Schröter, J.	2007	Tsunami Simulations With Unstructured Grids in Support of a Tsunami Early Warning System for the Indian Ocean	in: EOS Trans. AGU, 88 (52) Fall Meeting Suppl., Abstract S53A-1038
<b>Frisius, Thomas (seit 09/2009 am KlimaCampus)</b>			
Frisius, T	2010	Eye formation by dynamical Adjustment of the Tropical Cyclones' Inner Core.	Journal of the Atmospheric Sciences, in review.
Schönemann, D., und T. Frisius	2010	Dynamical system analysis of a low order tropical cyclone model.	Extended Abstract. The 29th Conference on Hurricanes and Tropical Meteorology (Tucson, Arizona).
Frisius, T., and T. Hasselbeck	2009	The effect of latent cooling processes in tropical cyclone simulations.	Q. J. R. Meteorol. Soc., 135, 1732-1749.
Frisius, T., K. Fraedrich, X. Zhu, and W. Wang.	2009	A spectral barotropic model of the wind-driven world ocean.	Ocean Modelling, 30, 310-322.
<b>Hartmann, Jens (seit 02/2009 am KlimaCampus)</b>			
Hartmann, J., Dürr, H.H., Jansen, N., Kempe, S., Meybeck, M.	2010	The geochemical composition of the terrestrial surface (without soils) and comparison with the upper continental crust.	International Journal of Earth Science (in review)
Köhler, P., Hartmann, J., Wolf-Gladrow, D.A.	2010	The geoengineering potential of artificially enhanced silicate weathering of olivine.	Proceedings of the National Academy of Science (in revision)
Jansen, N, Hartmann, J., Dürr, H.H.	2010	Lithological composition of the North American continent and implications of lithological map resolution for dissolved silica flux modeling	Geophysics Geochemistry Geodata (in review)
Hartmann, J., Jansen N.	2010	Chemical weathering rates of silicate dominated lithological classes on the Japanese Archipelago and associated liberation rates of phosphorus.	Chemical Geology (submitted)
Gleeson, T., Smith, L., Jansen, N., Hartmann, J., Dürr H.H. Manning, A.H., van Beek, L.P.H.	2010	Mapping permeability over the surface of the earth.	Nature Geoscience (in review)
Jansen, N, Hartmann, J., Lauerwald, R.	2010	Changes in dissolved silica mobilization into river systems draining North America until the period 2081-2100.	Journal of Geochemical Exploration (revision submitted)
Lauerwald, R., Hartmann, J., Jansen, N, Dürr, H.H.	2010	Transport and retention of dissolved silica in rivers of the conterminous USA.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Hartmann, J., Jansen, N., Dürr, H.H., Harashima, A., Okubo, K., Kempe S.	2010	Predicting riverine dissolved silica fluxes into coastal zones from a hyperactive region and analysis of their first order controls.	In: International Journal of Earth Sciences, 99, 207-230. doi: 10.1007/s00531-008-0381-5
Hartmann, J., Kunimatsu, T., Levy, J.K.	2010	The impact of Eurasian dust storms and anthropogenic emissions on atmospheric nutrient deposition rates in forested Japanese catchments and adjacent regional seas.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Hartmann, J., Jansen, N., Dürr, H.H., Harashima, A., Okubo, K., Kempe S.	2010	Predicting riverine dissolved silica fluxes into coastal zones from a hyperactive region and analysis of their first order controls.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Jansen, N., Hartmann, J., Lauerwald, R.	2010	CO <sub>2</sub> -consumption and bicarbonate fluxes by chemical weathering in North America.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Amann, T., Weiss, A., Hartmann, J.	2010	Carbon dynamics in the Elbe land-ocean transition zone.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Jansen, N., Hartmann, J., Lauerwald, R., Dürr, H.H., Loos, S., Middelkoop, H.	2010	Dissolved silica mobilization in the conterminous USA	Chemical Geology 270(1-4), 90-109, doi:10.1016/j.chemgeo.2009.11.008
Hartmann, J., Levy, J.K., Kempe, S.	2010	Increasing dissolved silica trends in the Rhine River: an effect of recovery from high P loads?	Limnology, doi: 10.1007/s10201-010-0322-4
Köhler, P., Hartmann, J., Wolf-Gladrow, D.A.	2010	The geoengineering potential of artificially enhanced silicate weathering of olivine.	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Hartmann, J., Jansen, N., Dürr, H.H., Kempe, S., Köhler, P.	2010	Global CO <sub>2</sub> -consumption by chemical weathering: What is the contribution of highly active weathering regions?	Geophysical Research Abstracts, Vol. 12, EGU General Assembly 2010, Vienna.
Jansen, N., Hartmann, J., Lauerwald, R., Dürr, H.H., Kempe, S., Loos, S. and Middelkoop, H	2009	Silica mobilization in the conterminous USA. submitted to Chemical Geology.	
Hartmann, J., Kempe, S, Dürr, H.H., Jansen, N.	2009	Global CO <sub>2</sub> -consumption by chemical weathering: What is the contribution of highly active weathering regions?	Global and Planetary Change, 69, 185-194. doi: 10.1016/j.gloplacha.2009.07.007
Abu Ghazleh, S., Jansen, N., Hartmann, J. & Kempe, S.	2009	Das Sterben des Toten Meeres.	In: Naturwissenschaftliche Rundschau 62 (7): 368-370.

Hartmann, J.	2009	Analysis of CO <sub>2</sub> -consumption and dissolved silica fluxes by chemical weathering: A step towards modeling dissolved matter fluxes on regional and global scales.	In: Habilitation Thesis pp. 1-141.
Jansen, N., Lauerwald, R., Hartmann, J., Dürr, H.H., Loos, S., Kempe, S., Middelkoop, H.	2009	A continental scale model for dissolved silica mobilization in North America.	Abstract im Rahmen des EGU General Assembly 2009, published in Geophysical Research Abstracts, Vol. 11
Lauerwald, R., Jansen, N., Hartmann, J., Dürr, H.H., Loos, S., Kempe, S., Middelkoop, H.	2009	Modeling dissolved silica retention in the limnic system of North America.	Abstract im Rahmen des EGU General Assembly 2009, published in Geophysical Research Abstracts, Vol. 11
Hartmann, J.	2009	Bicarbonate-fluxes and CO <sub>2</sub> -consumption by chemical weathering on the Japanese Archipelago — Application of a multi-lithological model framework.	In: Chemical Geology, 65(3/4), 327-271. doi:10.1016/j.chemgeo.2009.03.024
Beusen, A.H.W., Dürr, H.H., Bouwman, A.F., Dekkers, A.L.M., Hartmann, J.	2009	Global patterns of dissolved silica export to the coastal zone: Results from a spatially explicit global model.	In: Global Biogeochemical Cycles, 23, GB0A02, 1-13. doi:10.1029/2008GB003281
Dürr, H.H., Meybeck, M., Hartmann, J., Laruelle, G.G., Roubeix, V.	2009	Estimating natural silica fluxes to the coastal zone using a global segmentation (of the coastal zone).	In: Biogeosciences Discussions, 1345-1401.
Abu Ghazleh, S., Hartmann, J., Jansen, N., Kempe, S.	2009	Water input requirements of the rapidly shrinking Dead Sea.	In: Naturwissenschaften, 96, 1-7.
Hartmann, J., Kempe, S.	2008	What is the global potential for CO <sub>2</sub> sequestration by "stimulated" weathering?	In: Naturwissenschaften, 95:1159–1164.
Hartmann, J., Kunimatsu, T., Levy, J.K.	2008	The Impacts of Changes in Eurasian Dust Storm Events and Anthropogenic Emissions on Atmospheric Nutrient Deposition Rates in Forested Japanese Catchments and adjacent Regional Seas.	In: Global and Planetary Change 61, 117-134.
Kunimatsu, T., Nakazawa, K., Sotsuka, H., Hartmann, J.	2008	A Method for evaluating nutrient loads through the atmosphere onto lakes.	In: Desalination 226, 190-199.
Kempe, S., Hartmann, J., Kazmierczak, J.	2008	Recent Alkaline Lakes: Clues to Understanding the Evolution of Early Planetary Alkaline Oceans and Biogenesis.	Abstract im Rahmen des European Planetary Science Congress, published in EPSC Abstracts, Vol. 3, EPSC2008-A-00359, 2008
Abu-Ghazleh, S., Kempe, S., Hartmann, J. & Jansen, N.	2008	The dramatic drop of the Dead Sea at 0.47 km <sup>3</sup> /a due to human consumption of its water resources.	Im Rahmen der European Science Foundation Nice.
Hartmann, J., Jansen, N., Kempe, S., Dürr, H.H.	2007	Geochemistry of the river Rhine and the upper Danube: Recent trends and lithological influence on baselines.	In: Journal of Environmental Science for Sustainable Society 1, 39-46.
Levy, J.K., Hartmann, J., Li, K.W., An Y.	2007	Multiple Objective Decision Support Systems (MODSS) for Flood Emergency Management in Urban Watersheds.	In: Journal of the American Water Resources Association 42 (2) 1-13.
Hartmann J., Jansen, N., Dürr, H.H., Kempe, S.	2007	High riverine fluxes of dissolved silica from Japan – the influence of lithology.	Im Rahmen des . EGU General Assembly 2007, Vienna. , published in Geophysical Research Abstracts
<b>Hense, Inga (seit 01/2009 am KlimaCampus)</b>			
Hense, I.	2010	Approaches to model the life cycle of harmful algae.	Journal of Marine Systems, doi:10.1016/j.jmarsys.2010.02.014
Hense, I. and A. Beckmann	2010	The representation of cyanobacteria life cycle processes in aquatic ecosystem models.	Ecological Modelling, doi:10.1016/j.ecolmodel.2010.06.014
Hense I. and H. Burchard	2010	Modelling cyanobacteria in shallow coastal seas.	Ecological Modelling, 221, 238-244, doi: 10.1016/j.ecolmodel.2009.09.00.
Beckmann A. and I. Hense	2009	A fresh look at the nutrient cycling in the oligotrophic ocean.	Biogeochemistry, 96, 1-11, doi: 10.1007/s10533-009-9360-6.
Hense I. and B. Quack	2009	Modelling the vertical distribution of bromoform in the upper water column of the tropical Atlantic Ocean.	Biogeosciences, 6, 535–544.
Hense I. and A. Beckmann	2008	Revisiting subsurface chlorophyll and phytoplankton distributions.	Deep-Sea Research I, 55, 1193-1199
Beckmann A. and I. Hense	2007	Beneath the surface: Characteristics of oceanic ecosystems under weak mixing conditions - A theoretical investigation.	Progress in Oceanography, 75, 771-796, doi:10.1016/j.pocean.2007.09.002.
Hense, I.	2007	Regulative feedback mechanisms in cyanobacteria-driven systems: A model study.	Marine Ecology Progress Series, 339, 41-47.
<b>Kutzbach, Lars (seit 03/2009 am KlimaCampus)</b>			
Forbrich I., Kutzbach L., Wille C., Becker T., Wu J., Wilmking M.	2010	Cross-evaluating measurements of peatland methane emissions on microform and ecosystem scales	Agricultural and Forest Meteorology, submitted
Kutzbach L., Thees B., Wilmking M.	2010	Identification of linear relationships from noisy data using errors-in-variables models – relevance for reconstruction of past climate from tree-ring (and other) proxy information.	Climatic Change: Early online, doi:10.1007/s10584-010-9877-7. http://www.springerlink.com/content/v6253m7581284661/

Gažovic M., Kutzbach L., Schreiber P., Wille C., Wilmking M.	2010	Diurnal dynamics of CH <sub>4</sub> from a boreal peatland during snowmelt.	Tellus B 62(3): 133-139, doi:10.1111/j.1600-0889.2010.00455.x. <a href="http://www3.interscience.wiley.com/journal/12334777/abstract">http://www3.interscience.wiley.com/journal/12334777/abstract</a>
Forbrich I., Kutzbach L., Hormann, A., Wilmking M.	2010	A comparison of linear and exponential regression for estimating diffusive CH <sub>4</sub> fluxes by closed-chambers in peatlands.	Biology and Biochemistry 42(3): 507-515, doi:10.1016/j.soilbio.2009.12.004. <a href="http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TC7-4Y062HF-">http://www.sciencedirect.com/science?_ob=ArticleURL&amp;_udi=B6TC7-4Y062HF-</a>
Sachs T., Giebels M., Boike J., Kutzbach L.	2010	Environmental controls on CH <sub>4</sub> emission from polygonal tundra on the micro-site scale in the Lena River Delta, Siberia. Global Change	Biology: Early view, doi:10.1111/j.1365-2486.2010.02232.x. <a href="http://www3.interscience.wiley.com/journal/123351133/abstract?CRETRY=1&amp;SRETRY=0">http://www3.interscience.wiley.com/journal/123351133/abstract?CRETRY=1&amp;SRETRY=0</a>
Gazovic M., Kutzbach L., Schneider J., Wille C., Wilmking M.	2010	Ecological analysis of a boreal peatland CO <sub>2</sub> flux based on eddy covariance data set from Ust Pojog, Russia	Geophysical Research Abstracts 12: EGU2010-10049
Forbrich I, Wania R, Saarnio S, Schäfer C, Kutzbach L, Wilmking M.	2010	Interannual variation of methane emissions in a boreal peatland - cross-evaluation of chamber measurements (7 years) and model results (LPJ-WHyMe)	Geophysical Research Abstracts 12: EGU2010-8786
Forbrich I., Gazovic M., Kutzbach L., Wille C., Wolf U., Becker T., Schreiber P., Wilmking M.	2010	Upscaling methane emissions from plot- to ecosystem-scale in two boreal peatlands	Geophysical Research Abstracts 12: EGU2010-8882
Schneider J., Gažovič M., Kutzbach L., Miller P., Susiluoto S., Virtanen T., Wilmking M., Wu J	2010	Integrative comparison of CO <sub>2</sub> flux measurements at a boreal peatland by chamber and eddy covariance methods with LPJ-GUESS model output	Geophysical Research Abstracts 12: EGU2010-3492
Schreiber P., Wille C., Sachs T., Pfeiffer E.-M., Kutzbach L.	2010	Land-atmosphere fluxes of methane and carbon dioxide at Siberian polygonal tundra - new data from 2009 in comparison to data from 2003/04 and 2006	Geophysical Research Abstracts 12: EGU2010-13702-1
Forbrich I, Kutzbach L, Hormann A, Wilmking M	2009	A comparison of linear and exponential regression for estimating diffusive CH <sub>4</sub> fluxes by closed-chambers in peatlands	Submitted (04/09) to Soil Biology and Biochemistry
Gažovič M., Kutzbach L., Schreiber P., Wille C., Wilmking M	2009	Pronounced short-term temporal dynamics of methane fluxes during the snowmelt period at a boreal peatland in NW Russia	Submitted (06/09) to Biogeochemistry.
Kutzbach L., Thees, B., Wilmking, M	2009	Identification of linear relationships from noisy data using errors-in-variables models – relevance for reconstruction of past climate from tree-ring (and other) proxy information	Submitted (02/09) to Climatic Change
Sachs T., Giebels M., Boike J., Kutzbach L.	2009	... Environmental controls on CH <sub>4</sub> emission from polygonal tundra on the micro-site scale in the Lena River Delta, Siberia	Submitted (09/09) to Global Change Biology
Schneider J., Kutzbach L., Schulz S., Wilmking M.	2009	The closed chamber method overestimates CO <sub>2</sub> respiration fluxes in low-turbulence nighttime conditions	Journal of Geophysical Research – Biogeosciences 14, G03005, doi:10.1029/2008JG000909
Kutzbach L.	2009	A comment on "Vulnerability of permafrost carbon to global warming. Part I: model description and role of heat generated by organic matter decomposition" by Khvorostyanov et al. (2008).	Tellus B 61: 577-578, doi:10.1111/j.1600-0889.2009.00419.x
Kutzbach L., Thees B., Wilmking M.	2009	Identification of linear relationships from noisy data using errors-in-variables models - relevance for reconstruction of past climate from tree-ring (and other) proxy information	Geophysical Research Abstracts 11: 8922
Forbrich I., Kutzbach L., Wille C., Wu J., Becker T., Wilmking M	2009	Spatio-temporal analysis of methane emission in a boreal peatland during one growing season as measured by eddy covariance	Geophysical Research Abstracts 11: 9471
Gazovic M., Kutzbach L., Schreiber P., Wille C., Wilmking M.	2009	Pronounced short-term temporal dynamics of methane fluxes during the snowmelt period at a boreal peatland in NW Russia	Geophysical Research Abstracts 11: 9149
Sachs T., Giebels M., Boike J., Kutzbach L.	2008	Environmental controls on plot-scale CH <sub>4</sub> emission from polygonal tundra in the Lena River Delta, Siberia	Geophysical Research Abstracts 10: EGU2008-A-09233
Tomasky, G., Rastetter, E.B., Williams, M., Kutzbach, L., Tamstorf, M., Lafleur, P., Christensen, T.R., Heliasz, M., Griffin, K.L.	2008	Using A Modified Ensemble Kalman Filter Approach To Filter Pan-Arctic Eddy Covariance Flux Data	Eos Trans. AGU 89(53), Fall Meet. Suppl.: B51A-0360
Schneider J., Kutzbach L., Schulz S., Wilmking M.	2008	The closed chamber method overestimates CO <sub>2</sub> respiration fluxes in low-turbulence nighttime conditions	Eos Trans. AGU 89(53), Fall Meet. Suppl.: B13A-0415
Wille C., Kutzbach L., Sachs T., Wagner D., Pfeiffer E.-M.	2008	Methane emission from Siberian arctic polygonal tundra: Eddy covariance measurements and modeling	Global Change Biology 14(6): 1395–1408
Becker T., Kutzbach L., Forbrich I., Schneider J., Jager D., Thees B., Wilmking M.	2008	Do we miss the hot spots? – The use of very high resolution aerial photographs to quantify carbon fluxes in peatlands	Biogeosciences 5: 1387-1393
Sachs T., Wille C., Boike J., Kutzbach L.	2008	Environmental controls on ecosystem-scale CH <sub>4</sub> emission from polygonal tundra in the Lena River Delta, Siberia	Journal of Geophysical Research - Biogeosciences 113: G00A03, doi:10.1029/2007JG000505

Kutzbach L., Wille C., Pfeiffer E.-M.	2007	The exchange of carbon dioxide between wet arctic tundra and the atmosphere at the Lena River Delta, Northern Siberia	Biogeosciences 4: 869-890
Sachs T., Giebels M., Boike J., Kutzbach L.	2007	Environmental Controls on Methane Emission From Siberian wet Polygonal Tundra on Samoylov Island, Lena River Delta	EOS Trans. AGU 88(52), Fall Meet. Suppl.: B52C-05
Wille C., Kutzbach L., Sachs T., Wagner D., Pfeiffer E.-M.	2007	Methane Emission from Siberian arctic polygonal Tundra: Eddy Covariance Measurements and Modeling	Geophysical Research Abstracts 9: 10277
Kutzbach L., Schneider J., Sachs T., Giebels M., Nykänen H., Shurpali N.J., Martikainen P.J., Alm J., Wilmking M.	2007	CO2 flux determination by closed-chamber methods can be seriously biased by inappropriate application of linear regression	Biogeosciences 4: 1005-1025
<b>Löw, Alexander (seit 01/2009 am KlimaCampus)</b>			
Loew, A. and Govaerts, Y.	2010	Towards multidecadal consistent Meteosat surface albedo time series.	Remote Sensing , 2:957-967.
Tedesco, M., Reichle, R., Loew, A., Markus, T., and Foster, J.	2010	Dynamic approaches for snow depth retrieval from spaceborne microwave brightness temperature.	IEEE Transactions on Geosciences Remote Sensing, 48(4):1955 - 1967.
Lathauwer, E. D., Timmermans, W., Satalino, G., Mattia, F., Loew, A., Jimenez-Munoz, J., Hidalgo, V., Sobrino, J., and Pauwels, V.	2010	Assessment of the potential use of remotely sensed soil moisture values for spatially distributed latent heat flux estimation.	Journal of Appl. Rem. Sens., in press.
Knapp, K.R., Ansari, S., Bain, C.L., Bourassa, M.A., Dickinson, M.J., Funk, C., Helms, C.N., Hennon, C.C., Holmes, C., Huffman, G.J., Kossin, J.P., Lee, H.T., Loew, A., Magnusdotti, G.	2010	Globally gridded satellite (GriSat) observations for climate studies.	BAMS, submitted paper.
Mattia, F., Satalino, G., Pauwels, V., and Loew, A.	2009	Soil moisture retrieval through a merging of multi-temporal L-band SAR data and hydrologic modelling	Hydrology and Earth System Science, 13
Loew, A., Holmes, T., and de Jeu, R.	2009	The European heat wave 2003: early indicators from multisensoral microwave remote sensing?	Journal of Geophysical Research, 114:D05103
Loew, A., Schwank, M., and Schlenz, F.	2009	Assimilation of an L-band microwave soil moisture proxy to compensate for uncertainties in precipitation data	IEEE Transactions on Geosciences Remote Sensing, 47:2606 - 2616
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