

CV

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Born: June 7, 1970, Huntsville, Alabama, U.S.A.; **Nationality:** German

Study:

Geography (Geography, Economic Geography, Civil Engineering) 1990 – 1995,
Department of Geography, RWTH Aachen, GERMANY;
Geology, 1992-1995, Department of Geology, RWTH Aachen, GERMANY

Examination:

Geographer, M.A., 1995, Department of Geography, RWTH Aachen, GERMANY;
Thesis on Coastal Geomorphology, Northern Germany
Supervisors: F. Ahnert, W. Römer

Doctorate:

Dr. rer. nat., 1996 – 1999 (*Summa Cum Laude*), Institute of Geography, Martin-Luther-University Halle-Wittenberg, Halle (Saale), GERMANY
Thesis: Beylich, A.A. (1999): Hangdenudation und fluviale Prozesse in einem subarktisch-ozeanisch geprägten, permafrostfreien Periglazialgebiet mit pleistozäner Vergletscherung – Prozessgeomorphologische Untersuchungen im Bergland der Austfirðir (Austdalur, Ost-Island). *Berichte aus der Geowissenschaft*. Aachen. 130pp.
Financial support (Grants to Achim A. Beylich): Graduierten-Stipendium of Bundesland Sachsen-Anhalt, Deutscher Akademischer Austauschdienst (DAAD, Bonn)
Supervisors: K.-H. Schmidt (Halle / Saale), F. Ahnert (Aachen), J.-F. Venzke (Bremen)

Post-Doc:

1999 – 2001: Post-Doc Scholar at the Department of Earth Sciences, Uppsala University, SWEDEN:
DAAD (Deutscher Akademischer Austauschdienst) – Post-Doc-Grant, Post-Doc-Programme, Hochschulsonderprogramm III (Grant to Achim A. Beylich)

Project: Recent sediment budget and relief development in Latnjavagge (Swedish Lapland)

Financial support:

Deutscher Akademischer Austauschdienst (DAAD, Bonn), Swedish Natural Science Research Council, The Royal Swedish Academy of Science, Department of Earth Sciences, Uppsala University, Sweden

From 2002: Emmy Noether-Programm of Deutsche Forschungsgemeinschaft (DFG, Bonn) (*Excellence Programme*)

Project: Mass transfers, sediment budgets, and relief development in periglacial geosystems

2002 – 2004: Post-Doc/Visiting Scientist at the Department of Earth Sciences, Physical Geography, Uppsala University within the Emmy-Noether-Programme of DFG (German Science Foundation)

Financial support:

- German Science Foundation, DFG (Bonn, Germany)
- Department of Earth Sciences, Uppsala University, Sweden

2004: Visiting Scientist at the Natural Research Centre of Northwestern Iceland (NNV), Saudarkrokur, ICELAND

Financial support:

Natural Research Center of Northwestern Iceland (NNV)

Since 2004:

Senior Research Scientist (permanent position) at the Geological Survey of Norway (NGU), Quaternary Geology and Climate group, Trondheim, NORWAY

(<http://www.ngu.no>, <http://www.ngu.no/landscape>)

In addition (2005 – 2011):

Assoc. Professor II at the Norwegian University of Science and Technology (NTNU), Department of Geography, Dragvoll, Trondheim, NORWAY

October 2010 – March 2011:

Visiting Professor at the University of British Columbia (UBC), Department of Geography, Vancouver, British Columbia, Canada (funded by the Norwegian Research Council (NFR): NFR Leiv Eiriksson Programme)

Ongoing Projects and Initiatives headed by myself:

- **ESF - NFR SedyMONT (2008 – 2013: NGU, ESF, Norwegian Research Council (NFR): 4.0 Mio. NOK from NFR (2009 – 2012, FRIPRO / FRINAT))** (A.A. Beylich PI and Project Leader for Norway) (ESF EUROCORES Programme TOPO-EUROPE), Doctoral Students: Susan Liermann (2009 - 2013, Katja Laute (2009 - 2013, Timi Lopez (2009 - 2013) (<http://www.ngu.no/sedymont>)
- **NFR Bedload transport in steep mountain streams: Integrating field measurements with flume experiments (2010 - 2011)** (Leiv Eiriksson Project, collaboration with UBC Vancouver, Department of Geography, Canada) (<http://www.ngu.no/landscape/Projects.html>)
- **Leader of the Project Source-to-Sink Fluxes in Cold Environments.** Financial support (2004 – 2010): NGU, additional sources in Norway, Iceland, Sweden, Finland and Germany (<http://www.ngu.no/landscape/Projects.html>)

- Leader of the Project **Holocene Landscape Formation in Cold Environments** (NGU, additional sources in Norway, Iceland, Sweden, Finland and Germany, 2008 - 2010) (<http://www.ngu.no/landscape/Projects.html>)
- Norwegian Project Leader: **Detects biofilm variability stable and mobile channel pavement patterns in steep bedload streams in cold environments?** (NGU, NFR (Norway) / DAAD (Germany)) (2008-2010) (<http://www.ngu.no/landscape/Projects.html>)
- Chair of the **ESF Network SEDIFLUX** (<http://www.ngu.no/sediflux>) (since 2004)
- Chair of the **I.A.G./A.I.G. Working Group SEDIBUD** (*Sediment Budgets in Cold Environments*) (<http://www.geomorph.org/wg/wgsb.html>) (since 2005)
- Lead Contact of the **IPY EoIs SEDIFLUX/SEDIBUD and DYNAFLUX** (both included in IPY BIPOMAC) (further details at <http://www.ngu.no/sediflux>)
- Coordinator of the **DYNAFLUX / DYNACOLD Networks** (see further details at <http://www.ngu.no/sediflux>) (since 2004; NGU, IPY EoI DYNAFLUX / IPY BIPOMAC)

Participation in ongoing or recently finished Projects:

- *IPY ArcticNet: Western High Arctic watershed and landscape responses to climate change / Polar Continental Shelf Project, Canada.* Cape Bounty Arctic Watershed Observatory (ongoing) (<http://geog.queensu.ca/cbawo/>)
- *NFR SEDITRANS* (2004-2008) (<http://www.ngu.no/seditrans>)
- *IPY-NFR SciencePub* (2007-2011) (<http://www.ngu.no/sciencepub>)
- *EURO-DENDRO (MSH)*(ongoing)
- *Quaternary Geology Mapping in Vest-Agder (NGU): Fluvial sediment transport* (2011)

Doctoral Students / Doctorands in current projects:

- Susan Liermann (NGU and NTNU) (ESF-NFR SedyMONT-Norway, 2009 – 2013, NFR Doctoral Stipend) (<http://www.ngu.no/sedymont>)
- Katja Laute (NGU and NTNU) (ESF-NFR SedyMONT-Norway, 2009 – 2013, NFR Project Assistant Position) (<http://www.ngu.no/sedymont>)
- Timi Lopez (University of Bonn, Department of Geography) (co-supervised) (Individual Doctoral Project connected to ESF-NFR SedyMONT-Norway, 2009 - 2013) (<http://www.ngu.no/sedymont>)
- Skafti Brynjólfsson (NTNU, Department of Geology) (co-supervised) (2011-2015, Faculty funded)

Completed Doctoral Students / Doctorands:

- Habtamu Itefa Geleta (University of Stuttgart, Institute of Hydraulic Engineering, Department of Hydraulic Engineering and Water Resources Management) (co-supervised): Watershed Sediment Yield Modeling for Data Scarce Areas; International Doctoral Programme Environment Water (ENWAT), 2007-2010 (Defence of Doctoral Thesis on December 14, 2010)

Member of Doctoral Committees, Examiner:

- Marie Chenet: La Réponse De Versants Islandais Aux Fluctuations Glaciaires. Doctoral Thesis Defence at the University of Paris 1, Laboratory of Physical Geography on 24.11.2008
- Riwan Kerguillec, University of Nantes, France (ongoing)

Visiting Doctoral Students:

- Marius-Lucian Dulgheru (Babes-Bolyai University, Cluj-Napoca, Romania), at NGU (SedyMONT-Norway, SEDIFLUX / SEDIBUD) in 2010 (financial support: Romanian Government and NGU)
- Mioara-Ramona Chiaburu (Babes-Bolyai University, Cluj-Napoca, Romania), at NGU (SedyMONT-Norway, SEDIFLUX / SEDIBUD) in 2010 (financial support: Romanian Government and NGU)

Other Training Activities (selection):

- **Invited teaching at NTNU and supervision or co-supervision of undergraduate students** from Norway and other countries (co-supervision, e.g. Germany, Sweden, Finland, France, The Netherlands, UK, Canada). Teaching experience from Halle/S. (Germany, 1996-1999), Uppsala (Sweden, 1999-2004), Iceland (2004), Trondheim (Norway, since 2005), Germany (2009), Vancouver (Canada, 2010 / 2011).
- **Invited Teacher in the PhD Course "Field-based physical geography in boreal and subarctic environments, University of Turku, Finland**
- **Organiser of the ESF TOPO-EUROPE (CRP SedyMONT) Workshop and PhD Summer School "Detecting Landscape Change", Loen (Nordfjord, Norway), August 31 - September 8, 2010** (<http://www.ngu.no/sedymont/?page=Summerschool>, <http://www.geologi.no/topoeurope>)

Research Interests:

- Geomorphology
- Climatology
- Geoecology
- Process geomorphology
- Functional geomorphology
- Sedimentary budgets
- Hillslope-channel coupling
- Sedimentary source-to-sink fluxes and correlations
- Magnitude and frequency in Geomorphology
- Holocene to contemporary landscape development
- Coastal geomorphology

Research Regions:

- Norway
- Iceland
- Swedish Lapland
- Finnish Lapland
- Canada
- Russia
- German Alps
- Northern Germany

Other Activities and Invited Tasks (selection):

- Regional Editor of *The Open Geology Journal*
- Member of the Editorial Committee of *Norsk Geografisk Tidsskrift NGT - Norwegian Journal of Geography*
- Editorial Board Member of *Landform Analysis*
- Referee for the *European Science Foundation (ESF)*
- Referee for the *German Science Foundation (DFG)*
- Referee for the *Netherlands Organisation for Scientific Research*
- Referee for the *IPY Programme of The Netherlands*
- Referee within the Strategic Project "*Doctorate in Universities of Excellence – Research Assessment and Support for Scientific Publishing (2009-2011)*" (EU Structural Funds, Operational Programme Human Resources Development)
- Referee for the Leibniz-Gemeinschaft, Germany
- Referee for the IUCN (International Union for Conservation of Nature) World Heritage Programme
- Referee for several international journals, e.g. *Geografiska Annaler*, *Geomorphology*, *Earth Surface Processes and Landforms*, *Arctic*, *Antarctic*, *and Alpine Research*, *Hydrological Processes*, *Zeitschrift für Geomorphologie*, *Permafrost and Periglacial Processes*, *Central European Journal of Geosciences*, *Quaestiones Geographicae*, *African Journal of Agricultural Research*, etc.
- Member of the Scientific Committee and Co-Organiser of the *I.A.G./A.I.G. Regional Conference on Geomorphology "Geodiversity of Polar Landforms"*, Longyearbyen,, Svalbard, 1-5 August 2007.
- Organiser (or Co-Organiser) of several *Scientific Workshops* (e.g. ESF SEDIFLUX (Saudarkrokur (Iceland) in 2004, Trondheim (Norway) in 2006, see <http://www.ngu.no/sediflux>)), I.A.G./A.I.G. SEDIBUD (Trondheim (Norway) in 2006, Abisko (Sweden) in 2007, Boulder (USA) in 2008, Kingston (Canada) in 2009, Saudarkrokur (Iceland) in 2010, Zakopane (Poland) in 2011, Loen / Nordfjord (Norway) in 2012, see <http://www.geomorph.org/wg/wgsb.html>) and *Scientific Conference Sessions* (e.g. at EUCOP II in 2005 (Potsdam, Germany) (<http://www.ngu.no/sediflux>), at the Nordic Geographers Meetings in 2007 (in Bergen, Norway) and in 2009 (in Turku, Finland); at the I.A.G./A.I.G. Conference on Geomorphology in 2009 (2 Sessions: SEDIBUD and Small Catchments) (in Melbourne, Australia); at the EGU Conferences in 2010, 2011 and in 2012 (in Vienna, Austria) (<http://www.geomorph.org/wg/wgsb.html>,

<http://www.ngu.no/sedymont>); Organiser of DYNAFLUX / DYNACOLD Planning Workshops in Trondheim (in 2004 and in 2008), Copenhagen (3 Workshops in 2005), Gothenburg (in 2007), Oslo (in 2010, IPY) (<http://www.ngu.no/sediflux>); Invited Field Guide at the IGC Excursion UNESCO FJORDS (in August 2008)

- Member of the *EGU Geomorphology Programme Committee* (2010-2011 and 2011-2012)
- Subgroup Chair *Spatial Variability* within the IPA Working Group on Periglacial Landforms, Processes and Climate (2003-2008)

Current active Memberships (selection):

- European Geophysical Union (EGU)
- American Geophysical Union (AGU)
- International Association of Hydrological Sciences (IAHS)
- British Society for Geomorphology (BSG)
- International Water Association (IWA)
- Japanese Geomorphological Union (JGU)
- Mountain Research Initiative (MRI)
- Deutscher Arbeitskreis für Geomorphologie (DAK G.)
- Arbeitskreis Norden
- Verband der Geographen an Deutschen Hochschulen (VGDH)
- DAAD Freundeskreis
- PAGES Network
- Geological Society of Norway (NGF)
- Geographical Society of Norway (NGS)
- Forskerforbundet
- Swedish Society for Anthropology and Geography (SSAG)
- Geoscience Society of Iceland

Selected Publications of the last years

Beylich, A.A. (2003): Present morphoclimates and morphodynamics in Latnjavagge, the northern Swedish Lapland and Austdalur, east Iceland. *Jökull*, **52**: 33-54.

Beylich, A.A. (2005): Intensity and spatio-temporal variability of chemical denudation in an arctic-oceanic periglacial drainage basin in northernmost Swedish Lapland. *Nordic Hydrology*, **36** (1): 21-36.

Beylich, A.A. (Ed.) (2006): SEDIFLUX - Sedimentary Source-to-Sink-Fluxes in Cold Environments - SEDIFLUX. *Geomorphology*, **80** (1-2): 146pp.

Beylich, A.A. (2008): Mass transfers, sediment budget and relief development in the Latnjavagge catchment, Arctic-oceanic Swedish Lapland. *Zeitschrift für Geomorphologie N.F.*, **52** (1): 149-197.

Beylich, A.A. (2008): Sediment fluxes and sediment budget in Latnjavagge and the potential of applying unified methods for integrating investigations on sediment fluxes and budgets in cold environment catchments. *Geological Survey of Norway Special Publication*, **11**: 111-130.

Beylich, A.A. (Ed.) (2008): Sediment Budgets in Cold Environments. *Norsk Geografisk Tidsskrift - Norwegian Journal of Geography, Special Issue 62(2)*.

Beylich, A.A. (2009): Chemical and mechanical fluvial denudation in cold environments – Comparison of denudation rates from three catchments in sub-Arctic Eastern Iceland, sub-Arctic Finnish Lapland and Arctic Swedish Lapland. *Jökull 59*: 19-32.

Beylich, A.A. (2011): Sediment flux source-to-sink. In: Singh, V.P., Singh, P. & U.K. Haritashya (Eds.), *Encyclopedia of Snow, Ice and Glaciers*. Springer.

Beylich, A.A. (2010): The global SEDIBUD (Sediment Budgets in Cold Environments) Programme: Coordinated studies of sedimentary fluxes and budgets in changing cold climate environments. *The Open Geology Journal. 2010, 4*: 59-61.

Beylich, A.A. (2011): Mass transfers and sedimentary budgets in geomorphologic drainage basin studies. In: Advanced Topics in Mass Transfer, Chapter 18, 399-422. *INTECH Book Publication*.

Beylich, A.A. (2011): Mass transfers, sediment budgets and relief development in cold environments: Results of long-term geomorphologic drainage basin studies in Iceland, Swedish Lapland and Finnish Lapland. *Zeitschrift für Geomorphologie N.F., 55, 2*: 145-174.

Beylich, A.A. & F. Brardinoni (Eds) (in review): Mass wasting processes, source-to-sink fluxes, and sedimentary budgets. *Geomorphology, special issue*.

Beylich, A.A., Decaulne, A., Dixon, J.C., Lamoureux, S.F., Orwin, J.F., Otto, J.-Ch., Overeem, I., Sæmundsson, Th., Warburton, J. & Z. Zwolinski (in press): The global I.A.G./A.I.G. Sediment Budgets in Cold Environments (SEDIBUD) Programme: Coordinated efforts to quantify sedimentary fluxes and budgets in changing cold environments. *Zeitschrift für Geomorphologie N.F. Supplementband*.

Beylich, A.A., Decaulne, A. & S.F. Lamoureux (Eds) (in review): Sedimentary fluxes and budgets in natural and anthropogenically modified landscapes – Effects of climate change and land-use change on geomorphic processes. *Geomorphology, special issue*.

Beylich, A.A., Etienne, S., Etzelmüller, B., Gordeev, V.V., Käyhkö, J., Rachold, V., Russell, A.J., Schmidt, K.-H., Sæmundsson, P., Tweed, F.S. & J. Warburton (2006): The European science Foundation (ESF) Network SEDIFLUX – An introduction and overview. In: Beylich, A.A. (Ed.): Sedimentary Source-to-Sink-Fluxes in Cold Environments - SEDIFLUX. *Geomorphology 80 (1-2)*: 3-7.

Beylich, A.A., Etienne, S., Etzelmüller, B., Gordeev, V.V., Käyhkö, J., Rachold, V., Russell, A.J., Schmidt, K.-H., Sæmundsson, P., Tweed, F.S. & J. Warburton (2005): Sedimentary Source-to-Sink-Fluxes in Cold Environments – Information on the European Science Foundation (ESF) Network SEDIFLUX. *Zeitschrift für Geomorphologie N.F., Suppl.-Vol. 138*: 229-234.

Beylich, A. A. & D. Gintz (2004): Effects of high-magnitude/low-frequency fluvial events generated by intense snowmelt or heavy rainfall in arctic periglacial environments in northern Swedish Lapland and northern Siberia. *Geografiska Annaler*, **86 A** (1): 11-29.

Beylich, A.A., Gustavsson, M. & E. Kolstrup (2007): Experimental weathering of selected non-calcareous rock types under wet/moist conditions. *Zeitschrift für Geomorphologie N.F.*, **51**(1): 1-26.

Beylich, A.A. & C. Kneisel (2009): Sediment budget and relief development in Hrafnadalur, sub-Arctic oceanic eastern Iceland. *Arctic, Antarctic and Alpine Research*, **41**(1): 3-17.

Beylich, A.A., Kolstrup, E., Linde, N., Pedersen, L.B., Thyrssted, T., Gintz, D. & L. Dynesius (2003): Assessment of chemical denudation rates using hydrological measurements, water chemistry analysis and electromagnetic geophysical data. *Permafrost and Periglacial Processes* **14**: 387-397.

Beylich, A.A., Kolstrup, E., Thyrssted, T. & D. Gintz (2004): Water chemistry and its diversity in relation to local factors in the Latnjavagge drainage basin, arctic-oceanic Swedish Lapland. *Geomorphology*, **58**: 125-143.

Beylich, A. A., Kolstrup, E., Thyrssted, T., Linde, N., Pedersen, L. B. & L. Dynesius (2004): Chemical denudation in arctic-alpine Latnjavagge (Swedish Lapland) in relation to regolith as assessed by radio magnetotelluric-geophysical profiles. *Geomorphology*, **57**: 303-319.

Beylich, A.A. & S.F. Lamoureux (Eds.) (2010): Sedimentary Fluxes and Budgets in Changing Cold Environments: Quantitative Analysis and Scaling Issues. *Geografiska Annaler, Special Issue* **92 A** (2).

Beylich, A.A., Lamoureux, S.F. & A. Decaulne (2008): SEDIBUD – Sediment budgets in cold environments: Introduction. *Zeitschrift für Geomorphologie N.F.*, **52** (1): 1-2.

Beylich, A.A., Lamoureux, S.F. & A. Decaulne (2008): The global I.A.G./A.I.G. SEDIBUD (Sediment Budgets in Cold Environments) programme: Introduction and overview. *Norsk Geografisk Tidsskrift-Norwegian Journal of Geography*, **62**(2): 50-51.

Beylich, A.A., Lamoureux, S.F. & A. Decaulne (Eds) (2008): Third I.A.G. / A.I.G. SEDIBUD Workshop, Boulder, U.S.A.: Sediment Fluxes and Sediment Budgets in Changing High-Latitude and High-Altitude Cold Environments. *NGU Report*, **2008.058**. 41pp.

Beylich, A.A. Lamoureux, S.F. & A. Decaulne (2011): Developing frameworks for studies on sedimentary fluxes and budgets in changing cold environments. *Quaestiones Geographicae*, **30**(1): 5-18.

Beylich, A.A., Lamoureux, S.F. & A. Decaulne (Eds.) (2009): Source-to-sink-fluxes and sediment budgets in changing high-latitude and high-altitude cold environments – SEDIBUD. *Arctic, Antarctic and Alpine Research, Special Issue*, **41**(1).

Beylich, A.A., Lamoureux, S.F. & A. Decaulne (in press): The SEDIBUD (Sediment Budgets in Cold Environments) Programme: Ongoing activities and selected key tasks for the coming years. *Geomorphology*.

Beylich, A.A., Lamoureux, S.F., Decaulne, A., Dixon, J.C., Orwin, J.F., Otto, J.-Ch., Overeem, I., Sæmundsson, Th., Warburton, J. & Z. Zwolinski (2010): Sedimentary fluxes and budgets in changing cold environments: The global I.A.G./A.I.G. Sediment Budgets in Cold Environments (SEDIBUD) Programme. *Geografiska Annaler*, **92 A (2)**: 151-153.

Beylich, A.A. & K. Laute (in review): Spatial variations of surface water chemistry and chemical denudation in the Erdalen drainage basin, Nordfjord, western Norway. *Geomorphology*.

Beylich, A.A. & K. Laute (in review): Temporal variations of surface water chemistry and chemical denudation in a steep and glacier-fed mountain catchment in western Norway (Erdalen, Nordfjord). *Catena*.

Beylich, A.A., Laute, K., Liermann, S., Hansen, L., Burki, V., Vatne, G., Fredin, O., Gintz, D. & I. Berthling (2009): Subrecent sediment dynamics and sediment budget of the braided sandur system at Sandane, Erdalen (Nordfjord, western Norway). *Norsk Geografisk Tidsskrift – Norwegian Journal of Geography, Special Issue*, **63(2)**: 123-131.

Beylich, A.A., Liermann, S. & K. Laute (2010): Fluvial transport during thermally and pluvially induced peak runoff events in a glacier-fed mountain catchment in western Norway. *Geografiska Annaler*, **92 A (2)**: 237-246.

Beylich, A.A., Lindblad, K. & U. Molau (2005): Direct human impacts on mechanical denudation in an arctic-oceanic periglacial environment in northern Swedish Lapland (Abisko mountain area). *Zeitschrift für Geomorphologie N.F., Suppl.-Vol.* **138**: 81-100.

Beylich, A.A., Molau, U., Luthbom, K. & D. Gintz (2005): Rates of chemical and mechanical fluvial denudation in an arctic-oceanic periglacial environment, Latnjavagge drainage basin, northernmost Swedish Lapland. *Arctic, Antarctic, and Alpine Research* **37 (1)**: 75-87.

Beylich, A.A. & O. Sandberg (2005): Geomorphic effects of the extreme rainfall event of July 20th-21st, 2004 in the Latnjavagge catchment, northernmost Swedish Lapland. *Geografiska Annaler*, **87 A (3)**: 409-419.

Beylich, A.A., Sandberg, O., Molau, U. & S. Wache (2006): Intensity and spatio-temporal variability of fluvial sediment transfers in an arctic-oceanic periglacial environment in northernmost Swedish Lapland. *Geomorphology*, **80 (1-2)**: 114-130.

Beylich, A.A. & K.-H. Schmidt (Eds.) (2008): Sedimentary source-to-sink-fluxes and sediment budgets in changing cold environments. *Zeitschrift für Geomorphologie N.F.*, **52 (1)**.

Beylich, A.A., Schmidt, K.-H., Neuvonen, S., Forbrich, I. & A. Schildt (2006): Solute fluxes in the Kidisjoki catchment, subarctic Finnish Lapland. *Géomorphologie: relief, processus, environment* no. 3: 205-212.

Beylich, A.A. & O.M. Sæther (Eds.) (2009): Environmental Fluxes in Polar Regions under Changing Climate. *Norwegian Journal of Geography-Norsk Geografisk Tidsskrift, Special Issue*, 63(2).

Beylich, A.A. & J. Warburton (Eds.) (2007): Analysis of Source-to-Sink-Fluxes and Sediment Budgets in Changing High-Latitude and High-Altitude Cold Environments: SEDIFLUX Manual. First Edition. *NGU Report* 2007.053.

Beylich, A.A. & Z. Zwolinski (Eds) (in press): Hydrogeomorphological processes in catchment geoecosystems. *Zeitschrift für Geomorphologie N.F., Supplementband*.

Burki, V., Hansen, L., Fredin, O., Andersen, T.A., Beylich, A.A., Jaboyedoff, M., Larsen, E. & J.-F. Tønnesen (2009): Little Ice Age advance and retreat sediment budgets for an outlet glacier in western Norway. *Boreas*, 10.1111/j.1502-3885.2009.00133.x.ISSN 0300-9483

Hansen, L., Beylich, A.A., Burki, V., Eilertsen, R., Fredin, O., Larsen, E., Lyså, A., Nesje, A., Stalsberg, K. & J. F. Tønnesen (2009): Stratigraphic architecture and infill history of a deglaciated bedrock valley based on georadar, seismic profiling and drilling. *Sedimentology*, 56: 1751-1773.

Kneisel, Ch., Sæmundsson, Þ. & A.A. Beylich (2007): Reconnaissance surveys of contemporary permafrost environments in central Iceland using geoelectric methods: implications for permafrost degradation and sediment fluxes. *Geografiska Annaler*, 89 A (1): 41-50.

Lamoureux, S.F., Decaulne, A. & A.A. Beylich (Eds.) (2008): SEDIBUD Test Sites: Fact Sheets. 1st Edition, June 2008. *ID 3111308, www.lulu.com*.

Laute, K. & A.A. Beylich (2010): Characteristics of floodplain deposits within a braided sandur system in upper Erdalen (Nordfjord, western Norway). *Geografiska Annaler*, 92 A (2): 211-223.

Laute, K. & A.A. Beylich (in review): Influences of the Little Ice Age glacial advance on hillslope morphometry and development in paraglacial valley systems around the Jostedalsbreen ice field in western Norway. *Geomorphology*.

Liermann, S., Beylich, A.A., van Welden, A. & T. Andersen (in review): Contemporary suspended sediment transfer and accumulation processes in the small proglacial Sætrevatnet sub-catchment, Bødalen, western Norway. *Geomorphology*.

Orwin, J.F., Lamoureux, S.F., Warburton, J. & A.A. Beylich (2010): A framework for characterizing fluvial sediment fluxes from source to sink in cold environments. *Geografiska Annaler*, 92 A (2): 155-176.

Ridefelt, H., Åkerman, J., Beylich, A.A., Boelhouwers, J., Kolstrup, E. & R. Nyberg (2009): 56 years of solifluction measurements in the Abisko Mountains,

northern Sweden – analysis of temporal and spatial variations of slow soil surface movement. *Geografiska Annaler* **A91**(3): 215-232.

Sæmundsson, Th., Petursson, H.G., Kneisel, Ch. & A.A. Beylich (2007): Monitoring of the Tjarnardalir landslide, in central North Iceland. *First North America Landslide Conference. Vail, Colorado, USA, June 3-9 2007. Conference Proceedings*: 1029-1040.

Vatne, G., Naas, Ø.T., Skarholen, T., Beylich, A.A. & I. Berthling (2008): Bed load transport in a steep snowmelt-dominated mountain stream as inferred from impact sensors. *Norwegian Journal of Geography-Norsk Geografisk Tidsskrift*, **62**(2): 66-74.