

CV

Dr. Achim A. Beylich

Professor rank

Senior Scientist, Geomorphologist

- Head of operations at *GFL (Geomorphological Field Laboratory)*
- Editor-in-Chief, *Geomorphology (Elsevier)*
- Chair of *IAG DENUCHANGE Program*
- President of *IAG GeoNor (IAG National Scientific Member Norway)*
- Chair of *IAG GeoNorth (Nordic Network of National Geomorphology Groups from Norway, Sweden, Finland, Denmark and Iceland)*
- Norwegian National Scientific Representative for *IAG*

Geomorphological Field Laboratory (GFL)

Trondheim-Selbu Office (Norway) and Alicante-Calpe Office (Spain)

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GFL Website:

<http://geofieldlab.com>

Geomorphology journal (Elsevier) Website:

<http://www.journals.elsevier.com/Geomorphology/>

IAG Website:

<http://www.geomorph.org/>, www.geomorph.org/national-scientific-members/

IAG DENUCHANGE Website:

<http://www.geomorph.org/denuchange-working-group/>

Selected International Key Scientific Projects, Programs and Networks:

ESF-NFR-NGU and GFL (GFL since 2018) SedyMONT-Norway (2008 - 2020):

<http://www.sedymont.sbg.ac.at>, <http://archives.esf.org/coordinating-research/eurocores/programmes/topo-europe/projects/sedymont.html>

ESF SEDIFLUX (2004 - 2006/2017):

<http://archives.esf.org/hosting-experts/scientific-review-groups/life-earth-and-environmental-sciences-lee/activities/completed-networks/sedimentary-source-to-sink-fluxes-in-cold-environments-sediflux-page-1.html>

IAG SEDIBUD (2005 - 2017):

<http://www.geomorph.org/sedibud-working-group/>

IAG DENUCHANGE (2017 - 2021):

<http://www.geomorph.org/denuchange-working-group/>

IAG GeoNor and IAG GeoNorth (2019 -)

<http://www.geomorph.org/national-scientific-members/>

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

School: 1976 – 1989, Abitur in Aachen (Germany) in 1989

Civil Service: 1989-1990 in Aachen (Germany)

Language skills:

German: native; English: excellent; Norwegian: excellent; Swedish: excellent;
Spanish: good; French: good; Icelandic: basic

Study (1990 – 1995):

Geography (Geography, Economic Geography, Urban Water Management) 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;
Magister Thesis on Coastal Geomorphology, Northern Germany: Untersuchungen zur rezenten Morphodynamik der Schleswig-Holsteinischen West- und Ostküste (unpublished)

Mentors and Supervisors: Prof. Frank Ahnert, Dr. Wolfgang Römer (RWTH Aachen)

Doctorate (1996 – 1999):

Dr. rer. nat., 1996 – 1999 (With Honour: *Summa Cum Laude*; Award: *Luther Urkunde*), 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: Prof. K.-H. Schmidt (Halle / Saale), Prof. F. Ahnert (Aachen), Prof. J.-F. Venzke (Bremen)

Post-Doc and Visiting Scientist positions (1999 – 2004):

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 (VR), The Royal Swedish Academy of Science (KVA), 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 and 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
- European Commission (EC) LAPBIAT

April – August 2004:

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

Financial support: Natural Research Center of Northwestern Iceland (NNV)

Employment history and Visiting Professorships (since 2004):

September 2004 – February 2018:

Scientist (permanent research position, full-time) at the Geological Survey of Norway (NGU), Trondheim, NORWAY (<http://www.ngu.no>)

In addition (2005 – 2011: two three-year periods):

Assoc. Professor II at the Norwegian University of Science and Technology (NTNU), Department of Geography, Dragvoll, Trondheim, NORWAY (<http://www.ntnu.no>) (teaching and research position, part-time)

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; collaboration with Prof. Marwan Hassan)

October – December 2015:

Visiting Professor at the University (KU) of Eichstätt-Ingolstadt, GERMANY (funded through University (KU) Eichstätt-Ingolstadt; collaboration with Prof. Michael Becht)

Since 2011:

Scientist with Full Professor rank

Promotion to Researcher Code 1183 at NGU; External Promotion Committee Members:

Prof. Dr. Olav Slaymaker (Vancouver, Canada), Prof. Dr. John C. Dixon (Fayetteville, U.S.A.)

Since 1 March 2018 (ongoing):

Head of Operations and Senior Scientist, Professor rank (self-employed)

Geomorphological Field Laboratory (GFL), Sandviksgjerde, Strandvegen 484, 7584 Selbustrand, NORWAY (*Beylich Geomorfologisk Feltlaboratorium (GFL), Org.nr. 920 540 627 Foretaksregisteret*)

(<http://geofieldlab.com>)

Since 1 October 2018 (ongoing):

Editor-in-Chief, Geomorphology (Elsevier)

(<http://www.journals.elsevier.com/Geomorphology/>)

Ongoing or recently completed projects, networks, programmes and initiatives headed by myself:

- **ESF - NFR SedyMONT- Norway (2008 – 2020: NGU, European Science Foundation (ESF), Norwegian Research Council (NFR): 4.0 Mio. NOK from NFR (01.01.2009 – 31.12.2012, NFR FRIPRO / FRINATEK), GFL (GFL since 2018))** (*A.A. Beylich PI and Project Leader for SedyMONT - Norway*) (ESF EUROCORES Programme TOPO-EUROPE), Doctorands: Susan Liermann (2009 - 2016, Katja Laute (2009 - 2013, Timi Lopez (2009 - 2016)
- ***Sediment source fingerprinting investigations for analysis of drainage basin erosion dynamics in the inner Nordfjord, western Norway (2014-2019)*** (NGU, GFL; collaboration with EEAD-CSIC, Department of Soil and Water, Zaragoza, Spain)
- ***Drivers, spatiotemporal variability and quantitative rates of land-to-ocean solute and sedimentary fluxes in the Calpe region, eastern Spain (GFL 2018 –)***
- ***Sedimentary source-to-sink fluxes, fluvial downcutting and longitudinal profile development in bedrock stream channels in easter Iceland (GFL 2018 -)***
- **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)
- ***Source-to-Sink Fluxes in Cold Environments***. Financial support (2004 – 2011): NGU, additional sources in Norway, Iceland, Sweden, Finland and Germany
- ***Holocene Landscape Formation in Cold Environments*** (NGU, additional sources in Norway, Iceland, Sweden, Finland and Germany, 2008 - 2011)
- ***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 - 2012)

- **Morphoclimate, sediment sources, and controls and spatiotemporal variability of solute and sedimentary fluxes and denudation in the Homla drainage basin, central Norway** (NGU, GFL 2011-2018)
- **Morphoclimate, sediment sources, and controls and spatiotemporal variability of solute and sedimentary fluxes and chemical and mechanical denudation in the upper Driva drainage basin, central Norway** (NGU, GFL 2012 -)
- **Chair** of the ESF Network **SEDIFLUX (Sedimentary Source-to-Sink Fluxes in Cold Environments)** (2004 – 2006 (2017))
- **Chair** of the IAG Programme **SEDIBUD (Sediment Budgets in Cold Environments)** (<http://www.geomorph.org/sedibud-working-group/>) (2005 - 2017)
- **IAG SEDIBUD Synthesis Book Project** (Cambridge University Press) (<http://www.geomorph.org/sedibud-working-group/>); the **SEDIBUD Synthesis Book** is published: Beylich, A.A., Dixon, J.C. and Z. Zwolinski (Eds.) (2016): *Source-to-Sink Fluxes in Undisturbed Cold Environments*. Cambridge University Press, Cambridge. 408 pp. (2012 – 2016)
- **Lead Contact** of the IPY **Eols SEDIFLUX / SEDIBUD and DYNAFLUX** (both included in IPY BIPOMAC)
- **Coordinator** of the **DYNAFLUX / DYNACOLD Network** (2004 - 2017; NGU, IPY: Eol DYNAFLUX / IPY BIPOMAC)
- **Chair** of the IAG Programme **DENUCHANGE (Denudation and Environmental Changes in Different Morphoclimatic Zones)** (2017 - 2021) (<http://www.geomorph.org/denuchange-working-group/>)
- **President** of IAG **GeoNor (Geomorphological Research Group of Norway)** (2019 -) (<http://geofieldlab.com>, <http://www.geomorph.org/national-scientific-members/>)
- **Chair** of IAG **GeoNorth (Nordic Network of National Geomorphology Groups from Norway, Sweden, Finland, Denmark and Iceland)** (2019 -) (<http://geofieldlab.com>, <http://www.geomorph.org/national-scientific-members/>)
- IAG **Springer-Book Series project on "World Geomorphological Landscapes": Invited Editor for (mainland) Norway: Landscapes and Landforms of Norway** (2017 - 2019).
- **MDPI Journal WATER: Invited Guest Editor for the Special Issue on Fluvial Processes and Denudation** (2019 - 2020) (https://www.mdpi.com/journal/water/special_issues/Fluvial_Processes_Denudation)

Participation in ongoing and completed projects, networks, programmes and initiatives:

- IPY **ArcticNet: Western High Arctic watershed and landscape responses to climate change / Polar Continental Shelf Project, Canada**. Cape Bounty Arctic Watershed Observatory (2007-2011)
- NFR **SEDITRANS** (2004-2008)

- IPY-NFR SciencePub (2007-2011)
- *Coupling of slope and fluvial systems in high energy mountain environments under a changing climate. Case studies of processes and sediment fluxes from Vinstradalen and Erdalen, Norway (NTNU - NFR) (2007 - 2008)*
- *Erosion holes in alluvial rivers (NTNU, NVE, NGU) (2005 - 2008)*
- *Quaternary Geology Mapping in Vest-Agder (NGU): Fluvial sediment transport (2011)*
- *WUN Arctic Environments: Vulnerabilities and Opportunities (AEVO) Research Network*
- *KARMA 3D: 3D Mapping and characterising of superficial deposits and groundwater (NGU) (2013 - 2016) (Task: Detecting pollutant, solute and sediment sources and characterising and quantifying pollutant, solute and sediment delivery from selected drainage basin sub-systems, Orkla drainage basin, Norway)*
- EU COST Action Sub-Urban (2013-2017)
- *ORMEL – Optimal ressursutnyttelse av grunnvann til oppvarming og kjøling i Melhus og Elverum (NGU) (2015 -2017)*
- *INXCES – Inovations for eXtreme Climatic Events (European Commission) (2016 – 2017)*
- *COST Action CONNECTEUR – Connecting European Connectivity Research (ES1306) (EC) (2014 – 2018)*
- *The Legacy of Mountain Glaciations (MountGlac) (planned COST Action, in preparation)*

Completed Doctorands:

- Timi Lopez (University of Bonn, Department of Geography) (mentored) (ESF-NFR, SedyMONT-Norway, individual Doctoral Project connected to SedyMONT-Norway, 2009 – 2016). Doctoral thesis on *Changing Cultural Landscapes around the Jostedalsglacier (West Norway), from Cultural Landscape Management to Cultural Landscape Governance – a Future Path?* successfully defended on 18 October 2016 at the Department of Geography, University of Bonn, Germany.
- Skafti Brynjólfsson (NTNU, Department of Geology and MRI) (co-supervised) (2011-2015, IVT Faculty at NTNU). Doctoral thesis on *Dynamics and glacial history of the Drangajökull ice cap, Northwest Iceland*. Successful defence of Doctoral thesis on 24 September 2015 at the Department of Geology and MRI, IVT Faculty, NTNU, Trondheim.
- Katja Laute (NGU) (ESF-NFR, NGU SedyMONT-Norway, 2009 – 2013, NFR Project Research Assistant Position 2009 – 2015). Doctoral thesis on *Denudational processes and relief development in mountain valleys in western Norway: A Holocene to contemporary time perspective*. Successfully defended on 22 November 2013 at the Department of Geology and MRI, IVT Faculty, NTNU, Trondheim.

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

Member of Doctoral Committees (completed):

- Nils R  ther: Computational fluid dynamics in sedimentation engineering. PhD Thesis defence at the Faculty of Engineering Science and Technology, Department of Hydraulic and Environmental Engineering, NTNU Trondheim, Norway in November 2006. External Examiner.
- Marie Chenet: La R  ponse De Versants Islandais Aux Fluctuations Glaciaires. Doctoral Thesis Defence at the University of Paris 1, Laboratory of Physical Geography, France on 24.11.2008.
- Riwan Kerguillec: Les dynamiques p  riglaciaires actuelles dans un milieu de haute montagne atlantique: parcs nationaux du Oppland et du S  r-Tr  ndelag, Norv  ge centrale. Doctoral Thesis Defence at the University of Nantes, Geographic Institute, UMR-CNRS 6554, France on 08.11.2013.

Visiting Doctoral Students (completed):

- 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 / co-supervision or mentoring of students** from Norway and other countries (Germany, Switzerland, Sweden, Finland, France, The Netherlands, UK, Canada).
- **International teaching experience** (basic and advanced lectures, field-research-oriented lectures and training, basic and advanced seminars, field and laboratory courses, field excursions on Physical Geography and Geomorphology) from Halle/S. (Germany, 1996-1999 and 2009), Uppsala (Sweden, 2000-2004), Iceland (2004), Trondheim (Norway, since 2004), Vancouver (Canada, 2010/2011), Eichst  tt (Germany, 2015), Poznan (Poland, 2016).

- **Invited Teacher in the PhD Course "Field-based physical geography in boreal and subarctic environments**, University of Turku, Department of Geographie and Kevo Subarctic Research Station, Finland, 7.-12.09.2009.
- **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.sedymont.sbg.ac.at>).
- **Organiser of the IAG SEDIBUD 7th Workshop, Field Trip and SEDIBUD Summer School "Quantitative analysis of geomorphologic processes: Field methods, experimental techniques and modelling" for Doctoral Students**, Trondheim and Loen (Nordfjord), Norway, September 10 – 17, 2012 (<http://www.geomorph.org/sedibud-working-group/>)

Research Interests:

- Geomorphology
- Hydrology
- Climatology and Morphoclimatology
- Geoecology
- Process Geomorphology
- Functional Geomorphology
- Periglacial Geomorphology
- Sedimentary budgets
- Hillslope-channel coupling/connectivity
- Sedimentary source-to-sink fluxes and correlations
- Land-to-ocean solute and sedimentary fluxes
- Coastal Geomorphology
- Magnitude and frequency in Geomorphology
- Extreme events in Hydrology and Geomorphology
- Holocene to contemporary landscape development
- Human impact on Earth surface systems
- Climate change and Earth surface systems
- Field and laboratory methods and techniques in Process Geomorphology

Research Regions:

- Norway (with Svalbard)
- Spain
- Iceland

- Swedish Lapland
- Finnish Lapland
- Canada
- European Alps
- Russia
- New Zealand
- France
- Northern Germany

Other Activities and Invited Tasks (selection):

- President of *IAG GeoNor (IAG National Scientific Member Norway)*
- Chair of *IAG GeoNorth (IAG Nordic Network of National Geomorphology Groups from Norway, Sweden, Finland, Denmark and Iceland)*
- Norwegian National Scientific Representative (IAG National Scientific Member Norway) for *IAG* (since 2018)
- Editor-in-Chief, *Geomorphology (Elsevier)*
(<http://www.journals.elsevier.com/Geomorphology/>)
- Editorial Board Member for *Heliyon (Elsevier)*
- Editorial Board Member and Guest Editor for *Water*
- Regional Editor of *The Open Geology Journal (until 2016)*
- Member of the Editorial Committee of *Norsk Geografisk Tidsskrift NGT - Norwegian Journal of Geography (until 2015)*
- Editorial Board Member for *Revista de Geomorfologie (Journal of Geomorphology)*
- Editorial Board Member for *Landform Analysis*
- Editorial Board Member for the *Journal of Geosciences Research*
- Referee for the *European Science Foundation (ESF): ESF College of Expert Reviewers*
- Referee for the *German Science Foundation (DFG)*
- Referee for the *Netherlands Organisation for Scientific Research (NWO)*
- Referee for the *National Science Centre, Poland*
- Referee for the *Natural Sciences and Engineering Research Council of Canada (NSERC)*
- 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 *EC COST Actions*
- Referee for the *Leibniz-Gemeinschaft, Germany*
- Referee for the *VolkswagenStiftung, Germany*
- Reviewer for the *Humboldt-Foundation, Germany*
- Referee for the *Autonomous Province of Bolzano in Northern Italy*

- Referee for *Fondazione Cassa di Risparmio di Padova e Rovigo, Padua, Italy*
- Referee for the *IUCN (International Union for Conservation of Nature) World Heritage Programme*
- Expert Reviewer for the *Second Order Draft of the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC)*
- Referee for several international journals, e.g. *Geomorphology, Earth Surface Processes and Landforms, Water Resources Research, Geografiska Annaler, Catena, Arctic, Antarctic, and Alpine Research, Hydrological Processes, Journal of Hydrology, Hydrological Sciences Journal, Water, Journal of Hydraulic Engineering, Hydrology Research, Advances in Mechanical Engineering, Zeitschrift für Geomorphologie, Erdkunde, Progress in Physical Geography, Permafrost and Periglacial Processes, Quaternary Research, Global and Planetary Change, Science of the Total Environment, Land Degradation & Development, U.S. Geological Survey Professional Paper Series, Journal of Marine Science and Engineering, Sustainability, Remote Sensing, International Journal of Environmental Research and Public Health, International Soil and Water Conservation Research, Geoscience Frontiers, Polar Record, Boreas, Agricultural Water Management, International Journal of Earth Sciences, Central European Journal of Geosciences, PLOS ONE, Open Geosciences, Geologica Carpathica, Quaestiones Geographicae, Geografie, African Journal of Agricultural Research*
- Member of the Scientific Committee and Co-Organiser of the *IAG Regional Conference on Geomorphology "Geodiversity of Polar Landforms", Longyearbyen, Svalbard, 1-5 August 2007.*
- Scientific Organiser or Co-Organiser of several *Scientific Workshops* (e.g. ESF SEDIFLUX (Saudarkrokur (Iceland) in 2004, Trondheim (Norway) in 2006), IAG 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, Trondheim and Loen (Norway) in 2012, Garmisch-Partenkirchen / Zugspitze (Germany) in 2014, Kaunertal (Austria) in 2015, Bansko (Bulgaria) in 2016, and Baru (Romania) in 2017, see full details under <http://www.geomorph.org/sedibud-working-group/>); IAG Working Group DENUCHANGE Planning Meeting in 2018 (9 April 2018 during EGU 2018, Vienna, Austria) and 1st IAG DENUCHANGE Workshop in Storkowo-Szczecinek (Poland), 25-27 September 2018; 2nd IAG DENUCHANGE Workshop in Calpe (Spain), 12-14 September 2019 (see full details on the events under <http://www.geomorph.org/denuchange-working-group/> and under <http://geofieldlab.com>); and *Scientific Conference Sessions*, e.g., at EUCOP II in 2005 (Potsdam, Germany), at the Nordic Geographers Meetings in 2007 (in Bergen, Norway) and in 2009 (in Turku, Finland); at the IAG International Conferences on Geomorphology in 2009 (two Sessions: SEDIBUD and Small Catchments) (in Melbourne, Australia), in 2013 (SEDIBUD - Sediment Budgets) (in Paris, France), and in 2017 (SEDIBUD – Sediment Budgets) (in New Delhi, India); at the IAG Regional Conference on Geomorphology

(Geomorphology of Climatically and Tectonically Sensitive Areas) in Athens (Greece), 19-21 September 2019; and at the EGU Annual General Assemblies in 2010, 2011, 2012, 2013, 2014, 2015 (two sessions), 2016, 2017, 2018, 2019 and 2020 (in Vienna, Austria) (see full details on the various scientific conference sessions under: <http://www.geomorph.org/sedibud-working-group/>, <http://www.geomorph.org/denuchange-working-group/>, <http://geofieldlab.com>); Organiser of DYNAFLUX / DYNACOLD Workshops in Trondheim (in 2004 and in 2008), Copenhagen (three Workshops in 2005, one in 2013, two in 2014, one in 2015), Gothenburg (in 2007), Oslo (in 2010 (IPY) and in 2012), Vienna (in 2011, 2012, 2013, 2016 and 2017, EGU); Invited 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)
- Member of the Scientific Committee for the *9th IAG International Conference on Geomorphology, November 6-11, 2017, New Delhi, India*

Current active Memberships:

- 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)
- PAGES Network
- Deutscher Arbeitskreis für Geomorphologie (DAK Geomorphologie)
- Arbeitskreis Permafrost
- Verband der Geographen an Deutschen Hochschulen (VGDH)
- DAAD Alumni and DAAD Freundeskreis
- NTNU Alumni
- Geological Society of Norway (NGF)
- Geographical Society of Norway (NGS)
- Swedish Society for Anthropology and Geography (SSAG)
- Geoscience Society of Iceland
- Selbu Næringsforum (2019)

Selected peer-reviewed publications

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, 1003-1005.

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. (2012): Major controls of mass transfers and relief development in four cold-climate catchment systems in Eastern Iceland, Swedish Lapland and Finnish Lapland (Synthesis Paper). *NGF Abstracts and Proceedings of the Geological Society of Norway*, 1: 87-123.

Beylich, A.A. (2013): Coordinated and integrated geomorphologic analysis of mass transfers in cold climate environments – The SEDIBUD (Sediment Budgets in Cold Environments) Programme. In: Mass Transfer – Advances in sustainable energy and environment oriented modelling, Chapter 19, 499-511. *INTECH Book Publication*.

Beylich, A.A. (2016): Introduction to the theme. In: Beylich, A.A., Dixon, J.C. & Z. Zwolinski (Eds.), Source-to-Sink Fluxes in Undisturbed Cold Environments. Cambridge University Press, Cambridge, pp. 3-4.

Beylich, A.A. (2016): The I.A.G. / A.I.G. SEDIBUD (Sediment Budgets in Cold Environments) Program. In: Beylich, A.A., Dixon, J.C. & Z. Zwolinski (Eds.), Source-to-Sink Fluxes in Undisturbed Cold Environments. Cambridge University Press, Cambridge, pp. 5-10.

Beylich, A.A. (2016): Controls and variability of solute and sedimentary fluxes in Alpine / Mountain Environments. In: Beylich, A.A., Dixon, J.C. & Z. Zwolinski (Eds.), Source-to-Sink Fluxes in Undisturbed Cold Environments. Cambridge University Press, Cambridge, pp. 378-381.

Beylich, A.A. (2016): Environmental drivers, spatial variability and rates of chemical and mechanical fluvial denudation in selected glacierized and non-glacierized cold climate catchment geosystems: From coordinated field data generation to integration and modelling. In: Beylich, A.A., Dixon, J.C. & Z. Zwolinski (Eds.), Source-to-Sink Fluxes in Undisturbed Cold Environments. Cambridge University Press, Cambridge, pp. 385-397.

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