

## CV (October 2021)

**Dr. Achim A. Beylich**

**Research Scientist, Full Professor rank**

- Head of operations at *GFL*
- Editor-in-Chief, *Geomorphology* (*Elsevier*)
- Chair of *DENUCHANGE* (*IAG WG*)
- Chair of *GeoNor* (*IAG NSM Norway*)
- Chair of *GeoNorth* (*IAG NSM, Nordic Group Member*)



**Geomorphological Field Laboratory (GFL)**

**Trondheim-Selbu Office (Norway) and**

**Alicante-Calpe Office (Spain)**



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GFL website:

<https://geofieldlab.com>

Geomorphology journal website (*Elsevier*):

<https://www.journals.elsevier.com/geomorphology/>

Ongoing scientific projects, programs and networks headed by GFL:

(see further details at <https://geofieldlab.com/our-research-activities/>)

- SediSource – Nordfjord (GFL, 2014-2022)
- DenuMountChange – Dovrefjell-Oppdal (GFL, 2012-2022)
- DenuMed – Costa Blanca (GFL, 2018-2023)
- ChannelFluCut – Austfirðir (GFL, 2018 - )
- WoodChannellInteract (GFL, 2020 - )
- DenuBoreal – Selbusjøen (GFL, 2020 - )
- DENUCHANGE (IAG, 2017 - )
- GeoNor (IAG, 2019 - )
- GeoNorth (IAG, 2019 - )

**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Northern Germany: Untersuchungen zur rezenten Morphodynamik der Schleswig-Holsteinischen West- und Ostküste (unpublished)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):**

**Associate 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 competence/rank**

Promotion to Researcher Code 1183; External Promotion Committee Members:

Prof. Olav Slaymaker (Vancouver, Canada), Prof. John C. Dixon (Fayetteville, USA);

Promotion Committee Coordinator at NGU: Dr. Ola M. Sæther

**Since 1 March 2018 (ongoing):**

**Head of Operations (GFL) and Research Scientist, Full Professor rank (self-employed)**

Geomorphological Field Laboratory (GFL), Sandviksgjerde, Strandvegen 484, 7584 Selbustrand, NORWAY (*Beylich Geomorfologisk Feltlaboratorium (GFL), Org.nr. 920 540 627 MVA Foretaksregisteret*)  
(<https://geofieldlab.com>)

**Since 1 October 2018 (ongoing):**

**Editor-in-Chief, Geomorphology (Elsevier)**

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

**Ongoing and relevant completed projects, networks, programs and initiatives headed by myself:**

- **ESF - NFR SedyMONT - Norway (2008 – 2013 / 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)
- ***SediSource - Nordfjord: Sediment source fingerprinting investigations for additional analyses of drainage basin erosion dynamics in the partly glacierized inner Nordfjord, western Norway (2014-2022)*** (NGU, GFL; collaboration with EEAD-CSIC, Department of Soil and Water, Zaragoza, Spain)
- ***DenuMed - Costa Blanca: Morphoclimate, sediment sources, sediment storage, sediment (dis)connectivity, and drivers, spatiotemporal variability, quantitative rates and hazardous potential of land-to-ocean water, solute and sedimentary fluxes and denudation in the Mediterranean Calpe region, eastern Spain*** (GFL 2018-2023)
- ***ChannelFluCut - Austfirðir: Hillslope - stream channel (dis)connectivity, sedimentary source-to-sink fluxes, fluvial down-cutting and longitudinal profile development in bedrock stream channels in the fjord landscape of easter Iceland (Austfirðir)*** (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 drivers, spatiotemporal variability and rates of solute and sedimentary fluxes and denudation in the boreal Homla drainage basin system, central Norway** (NGU, GFL 2011-2018)
- **DenuMountChange – Dovrefjell-Oppdal: Morphoclimate, sediment sources, sediment (dis)connectivity, and drivers, spatiotemporal variability and quantitative rates of solute and sedimentary fluxes, denudation and sediment export under ongoing climate change in the mountainous upper Driva drainage basin system, central Norway** (NGU, GFL 2012-2022)
- **WoodChannelInteract: The role of vegetation and wood for the morphodynamics, in-channel sediment storage and sediment transport of a small boreal stream channel system** (GFL field test site Sandviksgjerde, Selbustrand, central Norway) (GFL, 2020 - )
- **DenuBoreal – Selbusjøen: Drivers, spatiotemporal variability and quantitative rates of chemical and mechanical fluvial denudation and sedimentary source-to-sink fluxes in the boreal drainage basin area of Selbusjøen, central Norway** (GFL, 2020 - )
- **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 - ) (<http://www.geomorph.org/denuchange-working-group/>)

- ***Chair of IAG GeoNor (National Geomorphological Research Group of Norway; IAG NSM Norway)*** (2019 - ) (<https://geofieldlab.com>, <http://www.geomorph.org/national-scientific-members/>)
- ***Chair of IAG GeoNorth (IAG Nordic Network of National Geomorphology Groups from Norway, Sweden, Finland, Denmark and Iceland; IAG NSM GeoNorth: Regional Nordic Group Member)*** (2019 - ) (<https://geofieldlab.com>, <https://geonorth.org>, <http://www.geomorph.org/national-scientific-members/>)
- ***IAG Springer-Book Series project on "World Geomorphological Landscapes": Invited Editor for (mainland) Norway: Beylich, A.A. (Ed.)*** (2021). *Landscapes and Landforms of Norway*. Springer. 288pp. (2018-2020).
- ***MDPI Journal WATER: Invited Guest Editor for the Special Issue on Fluvial Processes and Denudation*** (2019 - 2021): Beylich, A.A. (Ed.) (2021). *Fluvial Processes and Denudation. Water, Special Issue*. ([https://www.mdpi.com/journal/water/special\\_issues/Fluvial\\_Processes\\_Denudation](https://www.mdpi.com/journal/water/special_issues/Fluvial_Processes_Denudation))
- ***EU COST Action related to IAG DENUCHANGE (proposal in preparation)***

#### **Participation in projects, networks, programs 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***
- ***WUN Arctic Environments: Vulnerabilities and Opportunities (AEVO) Network***
- ***KARMA 3D: 3D Mapping and characterising of superficial deposits and groundwater (NGU)*** (2013 - 2016) (*Sub-task: Detecting, characterising and quantifying pollutant, solute and sediment sources and delivery from selected drainage basin sub-systems, Orkla drainage basin, Norway*)
- ***COST Action CONNECTEUR – Connecting European Connectivity Research (ES1306) (EC)*** (2014 – 2018)
- ***The Legacy of Mountain Glaciations (MountGlac) (European network)***
- ***Role of geochemical deposition zones in the transfer of contaminants of Arctic glacial geosystems (planned project, funding proposal in preparation)***
- ***Young-SCENE: Young SCienceEducation for Europe in a New Era (European network and planned project, funding proposal in preparation)***
- ***Coastal evolution and adaptation (international scientific network, funding proposals submitted to IGCP / UNESCO (COAST-ENGAGE) and in preparation for EU COST Actions)***
- ***Emerging Rivers from Melting Glaciers (ERMES) (international network)***
- ***AGORA (interdisciplinary scientific network, funding proposal 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 and Evaluation Panels:**

- Nils Rüther: 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 Réponse 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 périglaciaires actuelles dans un milieu de haute montagne atlantique: parcs nationaux du Oppland et du Sør-Trøndelag, Norvège centrale. Doctoral Thesis Defence at the University of Nantes, Geographic Institute, UMR-CNRS 6554, France on 08.11.2013.
- Anuschka L. Buter : Free University of Bozen, Faculty of Science and Technology, Italy, December 2020. *External Reviewer*.
- Dongfeng Li : National University of Singapore, Department of Geography, Singapore, May - September 2021. *External Examiner*.

### **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 / training in Norway and Spain and supervision and/or co-supervision or mentoring of students** from Norway (also **external examiner**), Spain, Germany, Switzerland, Sweden, Finland, France, Italy, The Netherlands, UK, Canada (including also Erasmus+ for Traineeship students).
- **International teaching / training experience:** Basic and advanced lectures, field- and laboratory-research-oriented lectures and training, basic and advanced seminars, field and laboratory courses, field excursions on Physical Geography and Geomorphology) in Halle/Saale (Germany, 1996-1999 and 2009), Uppsala (Sweden, 2000-2004), Iceland (2004), Trondheim (Norway, since 2004), Vancouver (Canada, 2010-2011), Eichstätt (Germany, 2015), Poznan (Poland, 2016), Selbu (Norway, since 2018), Calpe and Zaragoza (Spain, since 2019).
- **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.
- **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
- Morphoclimatology
- Geoecology
- Process Geomorphology
- Functional Geomorphology
- Periglacial Geomorphology
- Sedimentary budgets
- Hillslope - stream channel coupling
- Geomorphic, landscape and sediment (dis)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
- Anthropogenic impact on Earth surface systems
- Climate change and Earth surface systems
- Field and laboratory methods and techniques in Geomorphology

### **Research and Fieldwork Regions:**

- Norway (with Svalbard)
- Spain
- Iceland
- Swedish Lapland
- Finnish Lapland
- Canada
- European Alps (Austrian, German, Italian, Swiss Alps)
- Russia
- New Zealand
- France
- Northern Germany

### **Other Activities and Invited Tasks (selection):**

- Chair 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, and IAG National Scientific Member GeoNorth, Regional Nordic Group*)

- Norwegian National Scientific Representative (IAG National Scientific Member Norway) for *IAG*
- Editor-in-Chief, *Geomorphology* (*Elsevier*)  
(<https://www.journals.elsevier.com/Geomorphology/>)
- Member of the *European Association of Science Editors (EASE)*
- Editorial Board Member for *Heliyon* (*Elsevier*)
- Editorial Board Member (Academic Editor) and Special Issue Guest Editor for *Water* (*MDPI*)
- Member of the Reviewer Board of *Water* (*MDPI*)
- 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*
- Member of the Reviewer Board of *Remote Sensing* (*MDPI*)
- Referee for the *European Science Foundation (ESF): ESF College of Expert Reviewers*
- Referee and Panel Member for the *German Science Foundation (DFG)*
- Referee for the *Austrian Science Fund (FWF)*
- Referee for the *Netherlands Organisation for Scientific Research (NWO)*
- Referee for the *National Science Centre, Poland (NCN)*
- Member of different *Earth Sciences (ST10) Expert Panels of the National Science Centre, Poland (NCN)*
- 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)*
- Member of *Expert Committees* for appointments at the *Norwegian University of Science and Technology (NTNU), Trondheim, Norway*

- Referee for several international journals, e.g. *Science*, *Geomorphology*, *Earth Surface Processes and Landforms*, *Earth-Science Reviews*, *Water Resources Research*, *Geografiska Annaler*, *Catena*, *Arctic*, *Antarctic*, and *Alpine Research*, *Hydrological Processes*, *Journal of Hydrology (Wiley)*, *Journal of Hydrology (Elsevier)*, *Earth System Science Data*, *Hydrological Sciences Journal*, *Water, Land, 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*, *Journal of Soils and Sediments*, *International Journal of Coal Geology*, *U.S. Geological Survey Professional Paper Series*, *Quaternary*, *Journal of Marine Science and Engineering*, *Sustainability*, *Remote Sensing*, *Agronomy*, *International Journal of Environmental Research and Public Health*, *International Soil and Water Conservation Research*, *Geoscience Frontiers*, *Polar Record*, *Boreas*, *Studia Geomorphologica Carpatho-Balcanica*, *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 First IAG DENUCHANGE Workshop in Storkowo-Szczecinek (Poland), 25-27 September 2018; Second IAG DENUCHANGE Workshop in Calpe (Spain), 12-14 September 2019, IAG DENUCHANGE Business and Planning Meetings (Virtual Meetings) on 13 October 2020, 11 February 2021, 13 April 2021, 3 June 2021, 7 September 2021 and 23 November 2021, IAG DENUCHANGE Round Table (public virtual event) during the IAG International Geomorphology Week 2021, 4 March 2021; IAG DENUCHANGE Scientific Webinar on 13 October 2021, Third IAG DENUCHANGE Workshop in Haifa (Israel), spring 2022 (see details on all these events under <http://www.geomorph.org/denuchange-working-group/> and under the GFL link <https://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), in 2017 (SEDIBUD – Sediment Budgets) (in New Delhi, India), and in 2022 (Thematic Session and DENUCHANGE Session) (in Coimbra, Portugal); 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 (Vienna, Austria) in 2010, 2011, 2012, 2013, 2014, 2015 (two sessions), 2016, 2017, 2018, 2019, 2020 (EGU 2020: Sharing Geoscience Online), 2021 (vEGU21: Gather Online) and 2022 (find full details on the various scientific conference sessions under the links: <http://www.geomorph.org/sedibud-working-group/>, <http://www.geomorph.org/denuchange-working-group/>, <https://geofieldlab.com>);

Organiser of the First IAG GeoNorth / IAG GeoNor Planning and Strategy Meeting (Virtual Meeting on 28 May 2020) connected to the EGU Annual General Assembly (EGU 2020: Sharing Geoscience Online, 4-8 May 2020), of the First joint IAG GeoNorth and IAG GeoNor Scientific Conference, 1-2 October 2020 (Virtual Conference, including IAG GeoNorth and IAG GeoNor Business Meeting on 2 October 2020) (please find all further details under: <http://www.geomorph.org/national-scientific-members/>, <https://geofieldlab.com>, <https://geonorth.org>);

Organiser of the Second IAG GeoNorth and GeoNor Scientific Conference (Virtual Conference including GeoNorth and GeoNor Business Meetings), 30 September – 1 October 2021; and of the IAG GeoNorth and IAG GeoNor Business and Planning Meetings (Virtual Meetings) on 9 February 2021, 15 April 2021, 1 June 2021, February 2022; Co-Organiser of the IAG Regional Webinar for *Northern Europe* during the IAG International Geomorphology Week 2021 (1-7 March 2021) on 3 March 2021 (<https://geofieldlab.com>, <http://www.geomorph.org>);

Scientific 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 *9<sup>th</sup> IAG International Conference on Geomorphology, November 6-11, 2017, New Delhi, India*
- Member of the Scientific Committee for the *IAG Regional Conference on Geomorphology, 14-20 May 2022, Mashhad, Iran*
- Member of the Scientific Committee for the *10<sup>th</sup> IAG International Conference on Geomorphology, 12-16 September 2022, Coimbra, Portugal*

### **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), MRI Expert Database
- 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)
- Næringsforeningen i Trondheimsregionen (NiT) (2020 -)
- Næringsforeningen i Værnesregionen (NiV) (2020 -)

### **Selected peer-reviewed publications**

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

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**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.

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**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.

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**Kartlegger naturlig transport av løsmasser:** *ngu.no, Aktuelt* (02. mars 2009)

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**Argusblick på masserørsler:** *Forskerforum 8* (2009): Side 24-26

**APECS Working Group on Sediment Budgets in Cold Environments Virtual Poster Session:** Invited Speaker (presenting the I.A.G. / A.I.G. SEDIBUD Programme and ongoing research in Nordfjord, western Norway (ESF-NFR SedyMONT-Norway)) (24 March, 2011, 18:00 GMT) (<http://www.apecs.is>)

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