

## Curriculum Vitae



### Contact details:

Dr. Katja Laute

Nationality: German  
Geomorphological Field Laboratory (GFL)  
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### Current profession:

Research Scientist, Geomorphologist at GFL

Scientific Managing Editor, Geomorphology and Sedimentary Geology (Elsevier)

*h*-index: 15 (Google Scholar)

>25 peer reviewed scientific publications (articles and book chapters)

Co-editor of one Special Issue to the Journal Geomorphology (Elsevier)

### Invited tasks:

Panel member for the French National Research Agency (ANR)

Editorial Board Member, Geografia Fisica & Dinamica Quaternaria (AIGEO/CNR)

Editorial Board Member, Geomorphology (Elsevier)

IAG Elected Executive Committee Member (Officer)

IAG Executive Committee Member (Special Portfolio Member)

Secretary GeoNor (IAG NSM Norway)

National Scientific Representative GeoNorth (IAG NSM Nordic Group Member)

Steering Committee Member for the IAG Working group DENUCHANGE

### Research expertise and interests in Geomorphology:

Process geomorphology; Mass movements; Hillslope processes; Hillslope-channel coupling; Sediment connectivity; Fluvial geomorphology; Sedimentary source-to-sink fluxes; Glacial and periglacial geomorphology; Coastal cliff erosion; Anthropogenic impacts on earth surface systems; Effects of climate change; Magnitude, frequency and extreme events in geomorphology; Holocene to contemporary landscape evolution; Field/laboratory methods and techniques in geomorphology

### Ongoing national and international scientific projects and networks

WoodChannellInteract, Norway (GFL)

DenuBoreal – Selbusjøen, Norway (GFL)

GeoNor, Norway (IAG)

GeoNorth, Norway (IAG)

DenuMed – Costa Blanca, Spain (GFL)

ChannelFluCut – Austfirðir, Iceland (GFL)

DENUCHANGE, worldwide (IAG)

SediSource – Nordfjord, Norway (GFL)

DenuMountChange – Dovrefjell/Oppland, Norway (GFL)

03/2018 – ongoing

09/2021 – 12/2022

### Author profile:

[Google Scholar](#)

[Scopus author ID](#)

[ORCID](#) 

2024

12/2023

06/2023

09/2022

09/2020 – 09/2022

09/2019 – 01/2023

09/2019

11/2017

### Research regions:

Norway

Spain

France

Western Canada

Germany

Iceland

2020

2020

2019

2019

2018

2018

2017

2014

2012

08/2019 Latest award	<b>Second occupation:</b>  Professional nature- and detail photography ( <a href="https://geofieldlab.com/gallery">https://geofieldlab.com/gallery</a> ) <i>Honorable Mention</i> at the Monochrome Photography Awards 2022
<b>Doctorate:</b> 11/2013	<b>Qualifications:</b> <hr/> Doctoral thesis: Laute, K., 2013. Denudational processes and relief development in mountain valleys in western Norway: A Holocene to contemporary time perspective. Doctoral theses at NTNU, 2013:290, 218 pp. Scientific mentor: Dr. A.A. Beylich
01/2009 – 11/2013	Doctoral candidate (dr. philos.) at the Geological Survey of Norway (NGU), Trondheim and at the Norwegian University of Science and Technology (NTNU), Trondheim, Norway
01/2009 – 12/2012	Financial support through the Norwegian Research Council (NFR) funded SedyMONT-Norway project (Grant to Dr. A.A. Beylich) within the European Science Foundation (ESF) EUROCORES TOPO-EUROPE programme SedyMONT (Timescales of sediment dynamics, climate and topographic change in mountain landscapes)
<b>Education:</b> 10/2008	Diplom Geograph, Final Grade: 1.2 (with honour) Diploma thesis: Sub-recent erosion and sedimentation within a paraglacial valley system in western Norway (Erdalen, Nordfjord), Supervisors: Prof. K.-H. Schmidt, Dr. A.A. Beylich, Research scholarship (Grant to K. Laute) from the German Academic Exchange Service (DAAD)
01/2006 – 06/2006	Semester abroad at the University of British Columbia (UBC), Vancouver, Canada, Supervisor: Prof. M. Hassan
10/2002 – 10/2008	Study of Geography, Martin-Luther-University of Halle-Wittenberg, Institute of Geosciences, Department of Geography, Halle (Saale), Germany Minor subjects: Geology, Geobotany
06/2002	Abitur certificate (Final Grade: 1.7) Burg-Gymnasium Wettin, Germany
	<b>Professional work experience, internships, research stays</b> <hr/>
06/2016 – 12/2017	Post-doc position at LETG-Brest Géomer, Institut Universitaire Européen de la Mer (IUEM), Technopôle Brest-Iroise, France, project leaders: Dr. P. Letortu, Dr. N. Le Dantec
07/2015	Joined fieldwork regarding Schmidt-hammer dating of rockfalls in Jotunheimen, Norway, led by Prof. J. Matthews and Dr. S. Winkler
10/2014	Research stay at the Department of Soil and Water, Estación Experimental de Aula Dei (EEAD-CSIC), Zaragoza, Spain, invited talk and collaboration with Dr. A. Navas
05/2011	Research Assistant (responsible for terrestrial laser scanning in proglacial areas) during fieldwork campaign in Iceland led by Dr. A. Schomacker and Dr. I.Ö. Benediktsson,
10/2010 – 02/2011	Research stay at the Department of Geography, University of British Columbia (UBC), Vancouver, Canada, collaboration with Prof. M. Hassan
09/2009	Summer school on field-based physical geography in boreal and subarctic environments at Kevo Subarctic Research Station, University of Turku, Course leader Prof. J. Käyhkö

01/2009 – 12/2014	Project Assistant for the ESF-NFR SedyMONT-Norway project led by Dr. A.A. Beylich
08/2007 – 10/2007	Internship at the Geological Survey of Norway (NGU), Trondheim, Norway with three weeks fieldwork campaign in Erdalen, Nordfjord, western Norway, Supervisor Dr. A.A. Beylich
06/2007 – 07/2007	Fieldwork Assistant in the Research Station “Grube Messel”, Darmstadt/Senckenberg, Forschungsinstitut und Naturmuseum, Frankfurt/Main, Germany, Sektionsleiterin Dr. S. Wedmann
02/2007 – 10/2008	Research Assistant within the working group Physical Geography led by Prof. K.-H. Schmidt, Institute for Geosciences, Department of Geography, Faculty of Natural Sciences III, Martin-Luther-University Halle-Wittenberg, Halle/Saale, Germany
09/2007	Workshop Assistant for the international workshop “Second I.A.G./A.I.G. SEDIBUD meeting” in Abisko, Sweden, led by Dr. A.A. Beylich
05/2006	Fieldwork campaign in the Rocky Mountain Foothills led by Dr. R. McCleary, Foothills Model Forest, Hinton/Alberta, Canada

#### **Coordinated activities and invited tasks:**

Referee for international journals:	Geomorphology, Science of the Total Environment, Hydrology, Earth Surface Dynamics, Geografiska Annaler A, Quaternary Research, International Journal of Disaster Risk Science, Environmental Management
11/2020 – ongoing	Editor of the quarterly IAG Newsletter ( <i>IAG Highlights</i> )
2021 – 2025	Organiser of the IAG virtual Regional Webinar Northern Europe
2025	Co-organiser of session TS15. “Methods and tools for monitoring and modelling sediment fluxes in mountain environments” at the IAG RCG 2025, Timisoara, Romania
2023	Co-organiser of the EGU session “Denudational hillslope and fluvial processes and associated source-to-sink fluxes under changing climate and increasing anthropogenic impacts”
2022	Co-organiser of session 18 “Hillslope processes and landforms” at the ICG2022, Coimbra, Portugal and of the EGU session: “Hillslope and fluvial processes and associated source-to-sink fluxes and sedimentary budgets under changing climate and anthropogenic impacts”
2020 – 2021	Co-organiser of the EGU session: “Denudation, land cover dynamics and sedimentary source-to-sink fluxes under changing climate and anthropogenic impacts” (2021) and “Pathways of water and sediment from source-to-sink under changing climate, anthropogenic impacts and other disturbances” (2020)
2015 – 2019	Organiser of the EGU session: “Hillslope geomorphology, denudational slope processes and slope response to global climate changes and other disturbances”
2010 – 2017	Co-organiser of the EGU session: “Sedimentary source-to-sink fluxes and sediment budgets”
09/2012	Co-organiser of the IAG SEDIBUD Summer School on “Quantitative analysis of geomorphologic processes: Field methods, experimental techniques and modelling” in Trondheim and Loen, Norway, led by Dr. A.A. Beylich
09/2010	Co-organiser of the ESF TOPO-EUROPE SedyMONT Summer School on “Detecting Landscape Change” in Loen, Norway, led by Dr. A.A. Beylich

#### **Language skills:**

German: native  
English: excellent  
French: good  
Norwegian: good  
Spanish: basic

#### **Technical and Field instrumentation skills:**

Field-based hillslope profile surveying, GPS- and handheld laser rangefinder measurements, familiar with terrestrial laser scanning (TLS) and geophysical

subsurface mapping (GPR), handling of hydrometric and automatic weather stations, familiar with rock- and soil temperature sensors, installation of seismometer, geophones and crackmeters, granulometric analyses, relative dating techniques (Schmidt-Hammer, dendrogeomorphology, lichenometry)

**IT skills and Data processing:**

ESRI ArcGIS, QGIS, ERDAS Imagine, PolyWorks, Surfer, RAMMS, MS Office package, Editorial Manager, Adobe Illustrator, Adobe Photoshop, Affinity Photo, Affinity Publisher, WordPress, DEM/GIS analyses, Orthophoto/Satellite image processing, TLS processing, Meteorological/hydrological data analyses

Selbustrand, 25.04.2025

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