

## Curriculum Vitae



### Contact details:

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Dr. Katja Laute  
Geomorphological Field Laboratory (GFL)  
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### Current profession:

09/2021 Scientific Managing Editor, Geomorphology and Sedimentary Geology (Elsevier)  
03/2018 Research Scientist, Geomorphologist at GFL

### Author profile:

Scopus *h*-index: 13  
> 25 peer-reviewed scientific publications (articles and book chapters)  
Co-editor of one Special Issue to the Journal Geomorphology (Elsevier)

### Invited tasks:

09/2020 IAG Executive Committee Member (Special Portfolio Member)  
09/2019 Secretary GeoNor (IAG NSM Norway)  
09/2019 National Scientific Representative GeoNorth (IAG NSM Nordic Group Member)  
11/2017 Steering Committee Member for the IAG Working group DENUCHANGE

### Research regions:

Norway  
Spain  
France  
Western Canada  
Germany  
Iceland

### Research expertise and interests:

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Geomorphology; Process Geomorphology; Fluvial Geomorphology; Hillslope processes; Hillslope-channel connectivity; Sedimentary source-to-sink fluxes; Mass wasting processes; Coastal cliff erosion; Periglacial Geomorphology; Anthropogenic impact on Earth surface systems; Effects of climate change; Magnitude, frequency and extreme events in Geomorphology; Holocene to contemporary landscape development; Field and laboratory methods and techniques in Geomorphology

### Ongoing national and international scientific projects and networks

2020 WoodChannellInteract, Norway (GFL)  
2020 DenuBoreal – Selbusjøen, Norway (GFL)  
2019 GeoNor, Norway (IAG)  
2019 GeoNorth, Norway (IAG)  
2018 DenuMed – Costa Blanca, Spain (GFL)  
2018 ChannelFluCut – Austfirðir, Iceland (GFL)  
2017 DENUCHANGE, worldwide (IAG)  
2014 SediSource – Nordfjord, Norway (GFL)  
2012 DenuMountChange – Dovrefjell/Oppdal, Norway (GFL)

### Second occupation:

08/2019 Professional nature- and detail photography (<https://geofieldlab.com/gallery>)  
2010/2016 Fourth place at the EGU Photo competition

## Qualifications:

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### Doctorate:

11/2013

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)

### Education:

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

## Professional work experience, internships, research stays

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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, invited tasks and memberships:**

Referee for international journals: Geomorphology, Earth Surface Processes and Landforms, Science of the Total  
Environment, Geografiska Annaler A, Quaternary Research, Environmental  
Management, Hydrology (MDPI), Géomorphologie, Geography Journal

2015 – 2019 Organiser of the EGU session: “Hillslope geomorphology, denudational slope  
processes and slope response to global climate changes and other disturbances”

2022 Co-organiser of the proposed EGU session: “Hillslope and fluvial processes and  
associated source-to-sink fluxes and sedimentary budgets under changing climate  
and anthropogenic impacts”

2021 Co-organiser of the EGU session: “Denudation, land cover dynamics and  
sedimentary source-to-sink fluxes under changing climate and anthropogenic  
impacts”

2020 Co-organiser of the EGU session: “Pathways of water and sediment from source-  
to-sink under changing climate, anthropogenic impacts 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 I.A.G. 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

Active membership: European Geophysical Union (EGU), Mountain Research Initiative (MRI), DAAD  
Alumni

### **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, Adobe Illustrator, Adobe Photoshop, Affinity Photo, Web design,  
DEM/GIS based spatial data analyses, Orthophoto/Satellite image analysis,  
Photogrammetry, TLS-data processing, Meteorological- and hydrological data  
analyses

Selbustrand, 25.09.2021 *Katja Lanke*