

Curriculum Vitae



Contact details:

Dr. Katja Laute

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

03/2018

Research Scientist, Geomorphologist at GFL

09/2021 – 12/2022

Scientific Managing Editor, Geomorphology and Sedimentary Geology (Elsevier)

Author profile:

[ORCID](#) 

[Scopus author ID](#)

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:

12/2023

Editorial Board Member, Geografia Fisica & Dinamica Quaternaria (Physical Geography and Quaternary Dynamics)

06/2023

Editorial Board Member, Geomorphology (Elsevier)

09/2022

IAG Elected Executive Committee Member (Officer)

09/2020 – 09/2022

IAG Executive Committee Member (Special Portfolio Member)

09/2019 – 01/2023

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 in Geomorphology:

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

Ongoing national and international scientific projects and networks

2020

WoodChannelInteract, 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
Latest award
Professional nature- and detail photography (<https://geofieldlab.com/gallery>)
Honorable Mention at the Monochrome Photography Awards 2022

Qualifications:

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

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, Earth Surface Processes and Landforms, Science of the Total Environment, Hydrology, Earth Surface Dynamics, Geografiska Annaler A, Quaternary Research, International Journal of Disaster Risk Science, Environmental Management
2021 – 2024	Organizer of the IAG virtual Regional Webinar Northern Europe
2023	Co-organizer 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, Adobe Illustrator, Adobe Photoshop, Affinity Photo, Affinity Publisher, WordPress, DEM/GIS analyses, Orthophoto/Satellite image processing, TLS processing, Meteorological/hydrological data analyses

Selbustrand, 10.01.2024
