Curriculum Vitae

Contact details:

Dr. Katja Laute

Nationality: German
Geomorphological Field Laboratory (GFL)
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Current profession and recent work experience:

03/2018 – ongoing Research Scientist, Geomorphologist at GFL
09/2021 – 12/2022 Scientific Managing Editor, Geomorphology and Sedimentary Geology (Elsevier)
06/2016 – 12/2017 Post-doc position at LETG-Brest Géomer, Institut Universitaire Européen de la Mer (IUEM), Technopôle Brest-Iroise, France

Author profile:
Google Scholar
Scopus author ID
ORCID

h-index: 16 (Google Scholar)
30 peer reviewed scientific publications (articles and book chapters)
Lead editor of one Special Issue to the Journal Geomorphology (Elsevier)

Invited tasks:

2024 – 2026 Panel Member for the French National Research Agency (ANR)
12/2023 Editorial Board Member, Geografia Fisica & Dinamica Quaternaria (AIGEO/CNR)
06/2023 Editorial Board Member, Geomorphology (Elsevier)
09/2022 – 08/2026 IAG Elected Executive Committee Member (Officer, Editor IAG Highlights)
09/2020 – 09/2022 IAG Executive Committee Special Portfolio Member (Editor IAG Highlights)
09/2019 – 01/2023 Secretary GeoNor (IAG NSM Norway)
09/2019 Scientific Representative GeoNorth (Nordic Network and IAG Group Member)
11/2017 Steering Committee Member for the IAG Working group DENUCHANGE

Research expertise and interests in Geomorphology:

Research regions:
Norway
Spain
France
Western Canada
Germany
Iceland

Process geomorphology; Glacial and periglacial geomorphology; Fluvial geomorphology; Mass movements; Hillslope processes; Hillslope-channel coupling; Sediment connectivity; Sedimentary source-to-sink fluxes; 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

Involvement in ongoing scientific projects, programs and networks:

All details can be found on the GFL website under *Research Activities* and *Research projects*

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

Second occupation:

Professional nature- and detail photography (please see my portfolio here)

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. Link. 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, research stays and internships

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
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 Earth Sciences, Geoenvironmental Disasters, Environmental Management
11/2020 – 08/2026	Editor of the quarterly IAG Newsletter (IAG *Highlights*)
2021 – 2025	Organiser of the IAG virtual Regional Webinar Northern Europe
2026	Co-convener of EGU session GM3.3: *Drivers of denudation and responses of earth surface processes to extreme weather and climate events*
2026	Co-convener of sessions: *The role of paraglacial processes in the evolution of glacial landscapes, Hillslope processes and landslides in a changing world*, *Responses of geomorphic processes and earth surface systems to extreme weather and climate events* at the IAG ICG2026, Christchurch, New Zealand
2025	Co-convener of session TS15: *Methods and tools for monitoring and modelling sediment fluxes in mountain environments* at the IAG RCG 2025, Timisoara, Romania
2023	Co-convener of the EGU session: *Denudational hillslope and fluvial processes and associated source-to-sink fluxes under changing climate and increasing anthropogenic impacts*
2022	Co-convener 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-convener 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)
2018 – 2019	Main-convener of the EGU session: *Denudational hillslope and fluvial processes, sedimentary budgets, and landscape responses to global environmental changes* (2019) and *Hillslope geomorphology, denudational slope processes and slope response to global climate changes and other disturbances* (2018)
2010 – 2017	Co-convener 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
09/2010	Co-organiser of the ESF TOPO-EUROPE SedyMONT Summer School on “Detecting Landscape Change” in Loen, Norway

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, 06.09.2026