

## Curriculum Vitae

### Personal details:

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Name: Dr. Katja Laute  
Date of Birth: 06.08.1982  
Nationality: German  
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### Education:

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06/2002 Abitur certificate (Final Grade: 1,7) Burg-Gymnasium Wettin, Germany  
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, Botany  
01/2006 – 06/2006 Semester abroad at the University of British Columbia (UBC), Vancouver,  
Canada, Supervisor Prof. Marwan Hassan  
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. Karl-Heinz Schmidt (Halle, Germany) and  
Dr. Achim A. Beylich (Trondheim, Norway)  
Financial support: Research scholarship from the German Academic  
Exchange Service (DAAD, Bonn, Germany)

### Doctorate:

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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  
From 01/2009 – 12/2012 my doctoral project was part of the Norwegian  
Research Council (NFR) funded SedyMONT-Norway project  
(<http://www.ngu.no/sedymont>, project leader Dr. Achim A. Beylich,  
Geological Survey of Norway) within the European Science Foundation  
(ESF) EUROCORES TOPO-EUROPE programme SedyMONT  
(Timescales of sediment dynamics, climate and topographic change in  
mountain landscapes, <http://www.sedymont.sbg.ac.at>).  
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. Achim A. Beylich (NGU), Doctoral committee administrator Dr.  
Anders Schomacker (NTNU), doctoral thesis successfully defended on  
November 22, 2013

### Professional work (fieldwork) experience, internships, research stays:

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05/2006 Fieldwork campaign in the Foothills / Rocky Mountains led by  
Dr. Richard McCleary, Foothills Model Forest, Hinton / Alberta, Canada,  
Supervisor Prof. Marwan Hassan (UBC)

02/2007 – 10/2008	Research assistant within the working group Physical Geography led by Prof. Karl-Heinz Schmidt, Institute for Geosciences, Department of Geography, Faculty of Natural Sciences III, Martin-Luther-University Halle-Wittenberg, Halle / Saale, Germany
06/2007 – 07/2007	Fieldwork assistant in the Research Station “Grube Messel”, Darmstadt / Senckenberg, Forschungsinstitut und Naturmuseum, Frankfurt / Main, Germany, Sektionsleiterin Dr. Sonja Wedmann
08/2007 – 10/2007	Internship Geological Survey of Norway (NGU), Trondheim, Norway with three weeks fieldwork campaign in Erdalen, Nordfjord, western Norway, Supervisor Dr. Achim A. Beylich
01/2009 – 12/2014	Project assistant for the ESF-NFR SedyMONT-Norway project led by Dr. Achim A. Beylich ( <a href="http://www.ngu.no/sedymont">http://www.ngu.no/sedymont</a> )
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. Jukka Käyhkö
10/2010 – 02/2011	Research stay at the Department of Geography, University of British Columbia (UBC), Vancouver, Canada, collaboration with Prof. Marwan Hassan
05/2011	Research assistant during fieldwork campaign in Iceland led by Dr. Anders Schomacker and Dr. Ivar Örn Benediktsson, responsible for terrestrial laser scanning in proglacial areas
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. Ana Navas
07/2015	Joined fieldwork regarding Schmidt-hammer dating of rockfalls in Jotunheimen, Norway, led by Prof. John Matthews and Dr. Stefan Winkler
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. Pauline Letortu, Dr. Nicolas Le Dantec

### **Work specialisations and areas:**

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Geomorphology, Process Geomorphology, Hillslope processes, Slope stability, Slope hazards, Hillslope-channel coupling, Coastal cliff erosion, Mass wasting processes, Human impact, Effects of climate change, Quaternary Geology, Sedimentary source-to-sink fluxes, Holocene to contemporary landscape development;  
Fjord-landscapes, mountain and boreal environments in Norway, German Alps, Coast Mountains in Canada, hard rock coast in western Brittany, Eastern Spain

### **Organisation, coordinated activities and invited tasks:**

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Workshop assistant	Preparation and assistance work for the international workshop “Second I.A.G. / A.I.G. SEDIBUD meeting” in Abisko, Sweden in 2007 organized by Dr. Achim A. Beylich
Co-organisation Summer Schools	ESF TOPO-EUROPE SedyMONT Summer School on Detecting Landscape Change in Loen, Western Norway in 2010 led by Dr. Achim A. Beylich I.A.G. SEDIBUD Summer School on Quantitative analysis of geomorphologic processes: Field methods, experimental techniques and modelling in Trondheim and Loen, Norway in 2012 led by Dr. Achim A. Beylich

Organisation EGU sessions	Organizer of the session: "Hillslope geomorphology, denudational slope processes and slope response to global climate changes and other disturbances" (2015-2019), Co-organizer of the session: "Pathways of water and sediment from source-to-sink under changing climate, anthropogenic impacts and other disturbances"(2020), "Sedimentary source-to-sink fluxes and sediment budgets" (2010-2017)
Organisation fieldwork campaigns	Co-organizer of several fieldwork campaigns in western Norway between 2008 and 2013 including guidance of field assistants, Bachelor- and Master students
Journal reviewer for	Geomorphology, Earth Surface Processes and Landforms, Science of the Total Environment, Geografiska Annaler A/Physical Geography, Environmental Management, Géomorphologie, Geography Journal
Steering committee member	IAG Working group DENUCHANGE
Secretary	IAG GeoNor
National representative	IAG GeoNorth

### **Current active memberships:**

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

### **Field instrumentation skills:**

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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, dating techniques (Schmidt-hammer, dendrogeomorphology, lichenometry)

### **Computer skills, data processing:**

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ESRI ArcGIS, ERDAS Imagine, PolyWorks, Surfer, RAMMS (rapid mass movement simulation), MS Office package, Adobe Illustrator, Adobe Photoshop, DEM/GIS based spatial data analyses, orthophoto/satellite image analysis, photogrammetry, TLS-data processing, meteorological- and hydrological data analyses, basic Matlab skills, website maintenance

### **Languages:**

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German – native language  
English – excellent  
Norwegian – good  
French – good  
Spanish – basic user

### **Creative skills and awards:**

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Professional landscape and nature photography  
Fourth place in 2010 and 2016 at the European Geosciences Union (EGU) Photo competition

Selbustrand, 24.03.2020

*Katja Lawke*