

Curriculum Vitae

Personal details:

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

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:

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:

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 (http://www.ngu.no/sedymont)
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:

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:

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: "Sedimentary source-to-sink fluxes and sediment budgets" (2010-2017) "Pathways of water and sediment from source-to-sink under changing climate, anthropogenic impacts and other disturbances" (2020), "Denudational hillslope and fluvial processes, source-to-sink fluxes and sedimentary budgets under changing climate, anthropogenic impacts and other disturbances" (proposed 2021)
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, Environmental Management, Géomorphologie, Geography Journal
Steering Committee Member	IAG Working group DENUCHANGE
National Representative	IAG GeoNorth
Secretary	IAG GeoNor
Special Portfolio Member	IAG (since September 2020)

Current active memberships:

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

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

Computer skills, data processing:

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:

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

Creative skills and awards:

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

Selbustrand, 10.10.2020

Katja Lawte