

List of publications

Peer-reviewed publications:

2021

- Beylich, A.A. & Laute, K., 2021. Fluvial processes and contemporary fluvial denudation in different mountain landscapes in western and central Norway. In: Beylich, A.A. (Ed.), *Landscapes and Landforms of Norway*. Springer. <https://www.springer.com/gp/book/9783030525620>
- Laute, K. & Beylich, A.A., 2021. Recent glacier changes and formation of new proglacial lakes at the Jostedalsgreen ice cap in southwest Norway. In: Beylich, A.A. (Ed.), *Landscapes and Landforms of Norway*. Springer. <https://www.springer.com/gp/book/9783030525620>

2020

- Laute, K., Navas, A. & Beylich, A.A., 2020. Editorial: Denudational processes and landscape responses to global environmental changes. *Geomorphology* 373, 107477. Virtual Special Issue. <https://www.sciencedirect.com/science/article/abs/pii/S0169555X20304505>

2018

- Beylich, A.A. & Laute, K., 2018. Environmental drivers and trends of postglacial relief development in selected mountain regions in Iceland, Sweden and Norway. *Studia Geomorphologica Carpatho-Balcanica*, LI/LII, 2017/2018: 7-23.
- Laute, K. & Beylich, A.A., 2018. Potential effects of climate change on future snow avalanche activity in western Norway deduced from meteorological data. *Geografiska Annaler*, 100A (2): 163-184. <http://dx.doi.org/10.1080/04353676.2018.1425622>

2017

- Beylich, A.A. & Laute, K., 2017. Morphoclimatic controls of contemporary chemical and mechanical denudation in a boreal-oceanic drainage basin system in central Norway (Homla drainage basin, Trøndelag). *Geografiska Annaler: Series A, Physical Geography*, DOI: 10.1080/04353676.2017.1407219. <https://doi.org/10.1080/04353676.2017.1407219>
- Beylich, A.A., Laute, K. & Storms, J.E.A., 2017. Contemporary suspended sediment dynamics within two partly glacierized mountain drainage basins in western Norway (Erdalen and Bødalen, inner Nordfjord). *Geomorphology* 287, 126-143.
- Letortu P., Laute K., Le Dantec N., Augereau E., Ammann J., Prunier C., Hénaff A., David L., Maulpoix A., Cuq V., Jaud M., Le Gall B. & Delacourt C., 2017. Impacts des vagues et de la circulation d'eau sur la microfracturation des falaises rocheuses : mise en place d'un suivi multiparamètre en Bretagne. Monitoring en milieux naturels: retours d'expériences and terrains difficiles. *Collection EDYTEM*, 19.

2016

- Beylich, A.A. & Laute, K., 2016. Chemical denudation in partly glacierized mountain catchments of the fjord landscape in western Norway: Contemporary rates, environmental controls and possible effects of climate change. In: Beylich, A.A., Dixon, J.C. & Zwolinski, Z. (Eds.): *Source-to-sink-fluxes in undisturbed cold environments*. Cambridge University Press. Cambridge.
- Laute, K. & Beylich, A.A., 2016. Sediment delivery from headwater slope systems and relief development in steep mountain valleys in western Norway. In: Beylich, A.A., Dixon, J.C. & Zwolinski, Z. (Eds.): *Source-to-sink-fluxes in undisturbed cold environments*. Cambridge University Press. Cambridge.

2015

- Beylich, A.A. & Laute, K., 2015. Sediment sources, spatiotemporal variability and rates of fluvial bedload transport in glacier-connected steep mountain valleys in western Norway (Erdalen and Bødalen drainage basins). *Geomorphology* 228C, 552-567.

2014

- Beylich, A.A. & Laute, K., 2014. Combining impact sensor field and laboratory flume measurements with other techniques for studying fluvial bedload transport in steep mountain streams. *Geomorphology* 218, 72-87.
- Decaulne, A., Eggertsson, Ó, Laute, K. & Beylich, A.A., 2014. A 100 years extreme snow-avalanche record based on dendrogeomorphic approach in upper Bødalen, inner Nordfjord, western Norway. *Geomorphology* 218, 3-15.
- Laute, K. & Beylich, A.A., 2014. Environmental controls and geomorphic importance of a high-magnitude/low-frequency snow avalanche event in Bødalen, Nordfjord, western Norway. *Geografiska Annaler: Series A, Physical Geography*, 96A, 465-484.

Laute, K. & Beylich, A.A., 2014a. Morphometric and meteorological controls on recent snow avalanche distribution and activity at hillslopes in steep mountain valleys in western Norway. *Geomorphology* 218, 16-34.

Laute, K. & Beylich, A.A., 2014b. Environmental controls, rates and mass transfers of contemporary hillslope processes in the headwaters of two glacier-connected drainage basins in western Norway. *Geomorphology* 216, 93-113.

Navas, A., Laute, K., Beylich, A.A. & Gaspar, L., 2014. Variations of soil profile characteristics due to varying time spans since ice retreat in the inner Nordfjord, western Norway. *Solid Earth* 5, 485-498.

2013

Decaulne, A., Eggertsson, Ó., Laute, K. & Beylich, A.A., 2013. Dendrogeomorphologic approach for snow-avalanche activity reconstruction in a maritime cold environment (Upper Erdalen valley, Norway). *Zeitschrift für Geomorphologie N.F.57 (Supplementary Issue 2): 55-68.*

Laute, K. & Beylich, A.A., 2013. Holocene hillslope development in glacially formed valley systems in Nordfjord, western Norway. *Geomorphology* 188, 12-30.

2012

Beylich, A.A. & Laute, K., 2012. Spatial variations of surface water chemistry and chemical denudation in the Erdalen drainage basin, Nordfjord, western Norway. *Geomorphology* 167-168, 77-90.

Beylich, A.A. & Laute, K., 2012. Seasonal and annual variations of surface water chemistry, solute fluxes and chemical denudation in a steep and glacier-fed mountain catchment in western Norway (Erdalen, Nordfjord). *Catena*, 96: 12-27

Laute, K. & Beylich, A.A., 2012. Influences of the Little Ice Age glacier advance on hillslope morphometry and development in paraglacial valley systems around the Jostedalsbreen ice cap in Western Norway. *Geomorphology* 167-168, 51-69.

2010

Beylich, A.A., Liermann, S. & Laute, K., 2010. Fluvial transport during thermally and pluvially induced peak runoff events in a glacier-fed mountain catchment in western Norway. *Geografiska Annaler* 92A, 237-246.

Laute, K., & Beylich, A.A., 2010. Characteristics of floodplain deposits within a braided sandur system in upper Erdalen (Nordfjord, western Norway). *Geografiska Annaler, Special Issue, 92 A (2): 211-223.*

2009

Beylich, A.A., Laute, K., Liermann, S., Hansen, L., Burki, V., Vatne, G., Fredin, O., Gintz, D. & Berthling, I., 2009. Subrecent sediment dynamics and sediment budget of the braided sandur system at Sandane, Erdalen (Nordfjord, Western Norway). *Norsk Geografisk Tidsskrift (NGT) / Norwegian Journal of Geography, Special Issue, 63 (2): 123-131.*

Morche, D. & Laute, K., 2009. Investigating channel response to a dambreak flood event in an Alpine river - Downstream trends in stream power and channel bed particle characteristics. *Arctic, Antarctic and Alpine Research, Special Issue, 41 (2): 69-78.*

Dissertation:

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. <https://ntnuopen.ntnu.no/ntnu-xmlui/handle/11250/236215>

Oral presentations at conferences and workshops:

2021

Laute, K. & Beylich, A.A., 2021. Recent glacier recession promotes new glacial lake formation and expansion at the Jostedalsbreen ice cap in Norway. 24th Alpine Glaciology Meeting, 25-26 March 2021, *Virtual Conference. Abstract volume.*

2020

Laute, K. & Beylich, A.A., 2020. Recent glacier changes and formation of new proglacial lakes at the Jostedalsbreen ice cap in southwest Norway. First IAG GeoNorth and IAG GeoNor Conference: Geomorphology and Geomorphological Research in the Nordic Countries, 1-2 October 2020, *Virtual Conference.*

2019

Laute, K. & Beylich, A.A., 2019. Potential effects of recent glacier changes and the formation of new proglacial lakes on sediment delivery and sediment yields at the Jostedalsgreen ice cap in south-western Norway. Second IAG DENUCHANGE workshop, Calpe, Spain, September 12-14, 2019. *GFL Geomorphological Field Laboratory Publication Series*, Number 1, September 2019: 18-19.

2018

Laute, K. & Beylich, A.A., 2018. Potential geomorphic and denudational effects of a changing snow-avalanche activity in western Norway. 1st I.A.G./A.I.G. DENUCHANGE Workshop, Storkowo-Szczecinek, Poland, September 24-28, 2018. *Abstracts*.

2017

Laute K., Letortu P. & Le Dantec N., 2017. Hard rock cliff erosion in Brittany (France): Impact of subaerial and marine agents and processes on rock micro-fracturing. *9th IAG International Conference on Geomorphology 2017. New Delhi, India*.

Laute K., Letortu P. & Le Dantec N., 2017. Processes and mechanisms governing hard rock cliff erosion in western Brittany, France. *Workshop MARUM - Géosciences Océan - Ifremer, 02.-03. October 2017, Brest, France*.

Laute, K. & Beylich, A.A., 2018. Potential effects of climate change on future snow avalanche activity in western Norway deduced from meteorological data. 11th I.A.G./A.I.G. *SEDIBUD Workshop, Baru, Romania, September, 5-8, 2017. Abstracts*.

2014

Laute, K. & Beylich, A.A., 2014. Environmental controls, rates and sedimentary mass transfers of contemporary slope processes in the headwater areas of two mountain valleys in western Norway. Invited talk, Department of Soil and Water, EEAD-CSIC, Zaragoza, Spain, 27 October 2014.

Laute, K. & Beylich, A.A., 2014. Controls and geomorphic importance of an extreme snow avalanche event (Bødalen). 8th I.A.G./A.I.G. *SEDIBUD Workshop, Zugspitze / Bavaria, September, 1-4, 2014. Abstracts*.

Laute, K. & Beylich, A.A., 2014. Environmental controls, rates and sedimentary mass transfers of contemporary slope processes in the headwater areas of two mountain valleys in western Norway. *Geophysical Research Abstracts 16, EGU2014-2671*.

2013

Laute, K. & Beylich, A.A., 2013. Controls of snow avalanche distribution and geomorphic avalanche activity at hillslopes in steep mountain valleys in western Norway. 8th *IAG International Conference on Geomorphology 2013, Paris, France*.

2012

Laute, K. & Beylich, A.A., 2012. Holocene hillslope development in two glacially formed mountain valleys in western Norway. *BSG Annual Conference 2012, Nottingham, United Kingdom*.

Laute, K. & Beylich, A.A., 2012. Postglacial trends of hillslope development in two glacially formed mountain valleys in western Norway. *Geophysical Research Abstracts 14, EGU2012-1811*.

2011

Laute, K. & Beylich, A.A., 2011. Morphometric influences of the Little Ice Age glacial advance on hillslope systems within tributary valleys around the Jostedalsgreen ice field (Western Norway). 7th *TOPO-EUROPE Workshop, Davos, Switzerland, 6-9 October 2011. Abstracts*.

Laute, K. & Beylich, A.A., 2011. Influences of the Little Ice Age glacial advance on hillslope morphometry in valley systems around the Jostedalsgreen ice field (western Norway). *Sixth SEDIBUD Workshop, Zakopane, Poland. Abstract Volume: 37-38*.

2010

Laute, K. & Beylich, A.A., 2010. Influences of the Little Ice Age glacier advance on hillslope development in the headwater areas of two tributary valleys of the Nordfjord, Western Norway. *NNV-2010-007, Iceland, September 2010: 32-33*.

Laute, K. & Beylich, A.A., 2010. Geomorphic influences of the Little Ice Age glacial advance on selected hillslope systems in Nordfjord, Western Norway (Erdalen and Bødalen valleys). *Geophysical Research Abstracts 12, EGU2010-1320, 2010*.

Laute, K., Beylich, A.A., Hansen, L. & Vatne, G., 2010. Postglacial hillslope development and Holocene to contemporary slope denudation and sediment storage in two paraglacial tributary catchments in Nordfjord, western Norway (Erdalen & Bødalen valleys). *NGF Abstracts and Proceedings of the Geological Society of Norway*, 3: 59-61.

2009

Laute, K., Beylich, A.A. & Hansen, L., 2009. Sub-recent erosion and sedimentation within a paraglacial valley system in western Norway (Erdalen, Nordfjord). *NGF Abstracts and Proceedings*, no. 1: 62-63, Bergen, Norway.

2008

Laute, K., Beylich, A.A., Hansen, L. & Schmidt, K.-H., 2008. Investigations on sub-recent sedimentation and erosion rates within a braided sandur system in Erdalen (Nordfjord, western Norway). *NGU Report*, 2008.058: 28, Third I.A.G. / A.I.G. SEDIBUD Workshop, Boulder, U.S.A.

Other conference and workshop abstracts:

2021

Beylich, A.A. & Laute, K., 2021. Natural and anthropogenic drivers of denudation and sedimentary source-to-sink fluxes in the boreal mountain basin of lake Selbusjøen in central Norway. EGU21-729, 2021.

2020

Beylich, A.A. & Laute, K., 2020. Sediment sources, denudational processes and sedimentary budgets in three Mediterranean catchment systems in eastern Spain. *Geophysical Research Abstracts*, EGU2020-3492, 2020.

Laute, K. & Beylich, A.A., 2020. The formation of new glacial lakes at the Jostedalbreen ice cap in southwest Norway and their future implications. *Geophysical Research Abstracts*, EGU2020-5012, 2020.

2019

Beylich, A.A. & Laute, K., 2019. Drivers and rates of denudational processes and source-to-sink fluxes under changing climate and anthropogenic impacts in selected Mediterranean catchment systems in eastern Spain. IAG Regional Conference on Geomorphology. Athens, Greece, 19-21 September 2019. *Abstracts*.

Beylich, A.A. & Laute, K., 2019. Drivers and rates of fluvial processes and source-to-sink fluxes under changing climate and anthropogenic impacts in Mediterranean catchment systems in eastern Spain. *GFL Geomorphological Field Laboratory Publication Series*, Number 1, September 2019: 10-11.

Beylich, A.A. & Laute, K., 2019. Morphoclimate and contemporary denudation in the upper Driva drainage basin in central Norway. *GFL Geomorphological Field Laboratory Publication Series*, Number 1, September 2019: 12.

Beylich, A.A. & Laute, K., 2019. Denudational processes, source-to-sink fluxes and sedimentary budgets under changing climate and anthropogenic impacts in selected drainage basin systems in central Norway and eastern Spain. *Geophysical Research Abstracts*, Vol. 21, EGU2019-1969, 2019.

Laute, K. & Beylich, A.A., 2019. Denudational hillslope processes in selected mountain environments in western Norway and eastern Spain. *GFL Geomorphological Field Laboratory Publication Series*, Number 1, September 2019: 20-21.

Laute, K. & Beylich, A.A., 2019. Drivers of rockwall retreat and denudational hillslope processes in two selected cold climate and Mediterranean mountain environments. *Geophysical Research Abstracts*, Vol. 21, EGU2019-4315, 2019.

2018

Beylich, A.A. & Laute, K., 2018. Spatiotemporal variability, environmental controls and rates of contemporary mechanical and chemical denudation across selected glacierized and non-glacierized drainage basin systems in western and central Norway. 1st Workshop of the I.A.G./A.I.G. Working Group DENUCHANGE: Denudation and Environmental Changes in Different Morphoclimatic Zones. Storkowo-Szczecinek, Poland. September 25-27, 2018. *Book of Abstracts*: 13-14.

- Beylich, A.A. & Laute, K., 2018. Slope denudation, streamwork, and trends of relief development in selected mountain regions in Iceland, Sweden and Norway. 1st Workshop of the I.A.G./A.I.G. Working Group DENUCHANGE: Denudation and Environmental Changes in Different Morphoclimatic Zones. Storkowo-Szczecinek, Poland. September 25-27, 2018. *Book of Abstracts*: 20-21.
- Beylich, A.A. & Laute, K., 2018. Trends of postglacial hillslope and relief development in selected mountain regions in eastern Iceland, northern Sweden and western Norway. *Geophysical Research Abstracts* 20, EGU2018-3367, Vienna, Austria.
- Beylich, A.A. & Laute, K., 2018. Spatiotemporal variability of mechanical denudation in the inner Nordfjord in western Norway. *Geophysical Research Abstracts* 20, EGU2018-7038, Vienna, Austria.
- Laute, K., Beylich, A.A., Gaspar, L., Lizaga, I. & Navas, A., 2018. What the fingerprinting method reveals about main contributing soil and glacial deposits to sediment supply in a glacier-fed tributary valley (Bødalen, Norway). *Geophysical Research Abstracts* 20, EGU2018-6934-1, Vienna, Austria.
- Laute, K., Letortu, P., Le Dantec, N., Hibert, C., Augereau, E., Provost, F. & Malet, J.-P., 2018. Driving factors of hard rock cliff erosion in Brittany, France. *Geophysical Research Abstracts* 20, EGU2018-9029-1, Vienna, Austria.
- 2017**
- Laute, K. & Beylich, A.A., 2017. Recent and potential future effects of climate change on snow-avalanche activity in western Norway. *Geophysical Research Abstracts* 19, EGU2017-3713, Vienna, Austria.
- Laute, K., Letortu P., Le Dantec N., 2017. Processes and mechanisms governing hard rock cliff erosion in western Brittany, France. *Geophysical Research Abstracts* 19, EGU2017-3721, Vienna, Austria.
- 2016**
- Beylich, A.A., Laute, K. & Storms, J.E.A., 2016. Environmental controls, sediment sources, spatiotemporal variability and rates of fluvial sediment transport in partly glacierized mountain catchments in the fjord landscape of western Norway. *10th I.A.G./A.I.G. SEDIBUD Workshop, Bansko, Bulgaria, September, 7-10, 2016. Abstracts.*
- Beylich, A.A., Laute, K. & Storms, J.E.A., 2016. Environmental controls, sediment sources and spatiotemporal variability of suspended sediment yields in partly glacierized catchment systems in western Norway. *Geophysical Research Abstracts* 18, EGU2016-2297.
- Laute, K. & Beylich, A.A., 2016. Potential effects of climate change on snow avalanche activity in western Norway. *10th I.A.G./A.I.G. SEDIBUD Workshop, Bansko, Bulgaria, September, 7-10, 2016. Abstracts.*
- Laute, K. & Beylich, A.A., 2016. Possible effects of ongoing and predicted climate change on snow avalanche activity in western Norway. *Geophysical Research Abstracts* 18, EGU2016-11683.
- Laute, K., Beylich, A.A. & Winkler, S., 2016. Timing and distribution of postglacial rockfalls in western Norway. *Geophysical Research Abstracts* 18, EGU2016-4300.
- 2015**
- Beylich, A.A., Laute, K. & Storms, J.E.A., 2015. Environmental controls, spatiotemporal variability and rates of contemporary fluvial suspended sediment transport in the inner Nordfjord in western Norway. *9th I.A.G./A.I.G. SEDIBUD Workshop, Kaunertal, Tyrol/Austria, September, 7-10, 2015. Abstracts.*
- Beylich, A.A. & Laute, K., 2015. Quantification of fluvial bedload transport in glacier-connected steep mountain catchments in western Norway. *Geophysical Research Abstracts* 17, EGU2015-1155.
- Beylich, A.A. & Laute, K., 2015. Contemporary rates and spatiotemporal variability of fluvial suspended sediment transport in the inner Nordfjord in western Norway. *Geophysical Research Abstracts* 17, EGU2015-1160.
- Laute, K., Beylich, A.A. & Winkler, S., 2015. Reconstruction of postglacial rockfall/rock-slope failure activity in the mountainous fjord landscape of western Norway. *9th I.A.G./A.I.G. SEDIBUD Workshop, Kaunertal, Tyrol/Austria, September, 7-10, 2015. Abstracts.*

Laute, K. & Beylich, A.A., 2015. Environmental controls and geomorphic importance of an extreme snow avalanche event in a steep mountain catchment (Bødal) in the inner Nordfjord in western Norway. *Geophysical Research Abstracts* 17, EGU2015-1192.

Laute, K., Beylich, A.A. & Winkler, S., 2015. Developing a postglacial rockfall chronology in the mountainous fjord landscape of western Norway. *Geophysical Research Abstracts* 17, EGU2015-1194.

2014

Beylich, A.A. & Laute, K., 2014. Spatio-temporal variability and rates of fluvial bedload transport in steep mountain catchments in western Norway. *Geophysical Research Abstracts* 16, EGU2014-2156.

Beylich, A.A., Laute, K. & Liermann, S., 2014. Controls of Holocene to contemporary sedimentary source-to-sink fluxes in valley-fjord systems in western Norway. *Geophysical Research Abstracts* 16, EGU2014-4007.

Laute, K. & Beylich, A.A., 2014. Denudational surface processes and trends of relief development in mountain valleys in western Norway. *Geophysical Research Abstracts* 16, EGU2014-2665.

Laute, K. & Beylich, A.A., 2014. Controls and geomorphic effects of a high-magnitude/low-frequency snow avalanche event in the proglacial area of the Bødalsbreen glacier, Nordfjord, western Norway. *Geophysical Research Abstracts* 16, EGU2014-2686.

2013

Beylich, A.A. & Laute, K., 2013. Using portable impact sensors for analyzing fluvial bedload transport in steep mountain streams. Abstract EP43B-0855 presented at 2013 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

Beylich, A.A. & Laute, K., 2013. Combining field measurements and flume experiments for analyzing fluvial bedload transport and morphodynamics in steep mountain streams. 8th IAG International Conference on Geomorphology 2013, Paris, France.

Beylich, A.A. & Laute, K., 2013. Environmental controls and spatio-temporal variability of chemical and mechanical denudation rates in the inner Nordfjord, western Norway. *Geophysical Research Abstracts* 15, EGU2013-1183.

Beylich, A.A., Laute, K. & Liermann, S., 2013. Integrating field measurements and flume experiments for analysing fluvial bedload transport and channel morphodynamics in steep mountain streams. *Geophysical Research Abstracts* 15, EGU2013-1179.

Beylich, A.A., Laute, K. & Liermann, S., 2013. Glacial isostatic adjustment and Holocene to contemporary source-to-sink fluxes in valley-fjord systems in western Norway. *Geophysical Research Abstracts* 15, EGU2013-1320.

Decaulne, A., Eggertsson, O., Laute, K. & Beylich, A.A., 2013. The main snow-avalanche winters of the last 100 years documented by dendrogeomorphology in the Bødal and Erdalen valleys, inner Nordfjord, western Norway. 8th IAG International Conference on Geomorphology, Paris, France, 27–31 August 2013, Abstracts.

Laute, K. & Beylich, A.A., 2013. Holocene to contemporary denudational processes and relief development in the mountainous fjord landscapes in western Norway. Abstract EP53C-0848 presented at 2013 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

Laute, K. & Beylich, A.A., 2013. Contemporary hillslope processes sediment budgets in two glacier-connected drainage basins in western Norway. 8th IAG International Conference on Geomorphology, Paris, France, 27-31 August 2013, Abstracts.

Laute, K. & Beylich, A.A., 2013. Morphometric and meteorological controls of snow avalanche distribution and activity at hillslopes in steep mountain valleys in western Norway. *Geophysical Research Abstracts* 15, EGU2013-2031.

Laute, K. & Beylich, A.A., 2013. Contemporary hillslope processes sediment budgets in two parabolic-shaped and glacier-fed valley systems in western Norway. *Geophysical Research Abstracts* 15, EGU2013-2035.

Laute, K., Beylich, A.A. & Oppikofer, T., 2013. Effects of ongoing glacier retreat on steep valley-side drift slopes in the upper Bødal valley, western Norway. *Geophysical Research Abstracts* 15, EGU2013-3892.

Navas, A., Laute, K., Beylich, A.A. & Gaspar, L., 2013. Variations of soil profile characteristics due to varying time spans since ice retreat in the inner Nordfjord, western Norway. *Geophysical Research Abstracts* 15, EGU2013-2800.

2012

Beylich, A.A. & Laute, K., 2012. Spatio-temporal variability and environmental controls of chemical denudation in the fjord landscape of the inner Nordfjord, western Norway. *BSG Annual Conference 2012, Nottingham, United Kingdom*.

Beylich, A.A., Laute, K. & Liermann, S., 2012. Holocene to contemporary source-to-sink fluxes in a valley-fjord system in western Norway: Erdalen and Bødalen site project (SedyMONT – IP Norway). *Geophysical Research Abstracts* 14, EGU2012-1626.

Decaulne, A., Eggertsson, Ó., Laute, K. & Beylich, A.A., 2012. The main snow-avalanche winters of the last 100 years documented by dendrogeomorphology in the Bødalen valley, inner Nordfjord, western Norway. *NGF Abstracts and proceedings of the Geological Society of Norway, 1, 2012. Seventh I.A.G. / A.I.G. SEDIBUD Workshop and SEDIBUD Summer School, Trondheim and Loen, Norway*.

Decaulne, A., Eggertsson, Ó., Laute, K. & Beylich, A.A., 2012. A 20th century calendar of snow avalanche activity within the Bødalen valley, Inner Nordfjord, Western Norway. *Geophysical Research Abstracts* 14, EGU2012-141444.

Decaulne, A., Eggertsson, Ó., Laute, K., Sæmundsson, Th. & Beylich, A.A., 2012. Avalanche winters as highlighted by dendrogeomorphologic analyses on selected snow-avalanche paths in Northern Iceland and Western Norway. *Nordic Geological Winter Meeting 2012, Reykjavik. Abstracts*.

Laute, K. & Beylich, A.A., 2012. Morphometric controls on snow avalanche distribution and activity at hillslopes in steep mountain valleys in western Norway. *NGF Abstracts and proceedings of the Geological Society of Norway, 1, 2012. Seventh I.A.G. / A.I.G. SEDIBUD Workshop and SEDIBUD Summer School, Trondheim and Loen, Norway*.

Laute, K. & Beylich, A.A., 2012. Holocene hillslope processes and deposits in two U-shaped mountain valleys in western Norway. *Geophysical Research Abstracts* 14, EGU2012-1809.

2011

Beylich, A.A. & Laute, K., 2011. Rates and spatio-temporal variability of chemical denudation in the fjord landscape of the inner Nordfjord, western Norway. *7th TOPO-EUROPE Workshop, Davos, Switzerland, 6-9 October 2011. Abstracts*.

Beylich, A.A. & Laute, K., 2011. Controls and spatio-temporal variability of surface water chemistry and chemical denudation in the fjord landscape of the inner Nordfjord, western Norway. *Sixth SEDIBUD Workshop, Zakopane, Poland. Abstract Volume: 17-18*.

Beylich, A.A., Laute, K. & Hassan, M., 2011. Analysing fluvial bedload transport in steep mountain streams by integrating extended field measurements with flume experiments. *Sixth SEDIBUD Workshop, Zakopane, Poland. Abstract Volume: 19*.

Beylich, A.A., Laute, K. & Liermann, S., 2011. Analysis of bedload transport in steep mountain streams: Integrating field measurements with flume experiments. *Geophysical Research Abstracts* 13, EGU2011-3291.

Beylich, A.A., Laute, K. & Liermann, S., 2011. Holocene to contemporary source-to-sink fluxes in a valley-fjord system in western Norway: Erdalen and Bødalen site project (SedyMONT-Norway). *Geophysical Research Abstracts* 13, EGU2011-13777.

Beylich, A.A., Liermann, S. & Laute, K., 2011. Spatio-temporal variability of chemical and mechanical denudation in glacier-fed mountain catchments in Nordfjord, western Norway. *Geophysical Research Abstracts* 13, EGU2011-1397.

Decaulne, A., Eggertsson, Ó., Arbellay, E., Laute, K. & Beylich, A.A., 2011. Recent extreme snow-avalanche events tracked through tree-ring analysis – a case study from Western Norway. *Geophysical Research Abstracts* 13, EGU2011-1777.

Hansen, L., Liermann, S., Laute, K. & Beylich, A.A., 2011. Volume estimation of the Bødalen delta, western Norway – a first outline. *Geophysical Research Abstracts* 13, EGU2011-13795.

- Laute, K. & Beylich, A.A., 2011. Holocene hillslope development in paraglacial tributary valleys in Nordfjord, western Norway. *Geophysical Research Abstracts* 13, EGU2011-182.
- Laute, K., Beylich, A.A. & Hansen, L., 2011. Late Holocene hillslope dynamics in two paraglacial valley systems, western Norway. *Geophysical Research Abstracts* 13, EGU2011-181.
- 2010**
- Beylich, A.A. & Laute, K., 2010. Field excursions. Study Sites Erdalen & Bødalen. ESF TOPO-EUROPE Workshop and PhD Summer School on Detecting Landscape Change, August 31 – September 8, 2010, Loen (Nordfjord), Norway. *NGF Abstracts and Proceedings of the Geological Society of Norway*, 3: 101-107.
- Beylich, A.A., Laute, K. & Liermann, S., 2010. Monitoring of geomorphic processes and quantitative analysis of mechanical and chemical denudation rates in glacier-fed valley-fjord systems in the inner Nordfjord, western Norway. *NGF Abstracts and Proceedings of the Geological Society of Norway*, 3: 21-22.
- Beylich, A.A., Laute, K., Liermann, S. & the SedyMONT-Norway Team, 2010. Timescales of sediment dynamics, climate and topographic change in mountain landscapes (SedyMONT): Erdalen and Bødalen site project (SedyMONT-Norway): Holocene, subrecent and contemporary source-to-sink fluxes in a valley-fjord system. *6th TOPO-EUROPE Conference, November 4-6, 2010, Hønefoss. Abstracts.*
- Beylich, A.A., Liermann, S. & Laute, K., 2010. Mechanical and chemical denudation in two glacier-fed mountain catchments in Nordfjord, western Norway (Erdalen and Bødalen). *Geophysical Research Abstracts* 12, EGU2010-1221.
- Beylich, A.A., Liermann, S. & Laute, K., 2010. Spatio-temporal variability of mechanical and chemical denudation rates in glacier-fed valley-fjord systems in the inner Nordfjord, western Norway. *NNV-2010-007*, September 2010: 17.
- Decaulne, A., Eggertsson, Ó., Laute, K. & Beylich, A.A., 2010. Dendrogeomorphology and dendrochronology revealing recent snow-avalanche activity in Upper Nordfjord, western Norway. *WorldDendo Conference Abstracts, Rovaniemi, Finland.*
- Decaulne, A., Eggertsson, Ó., Laute, K., Sæmundsson, Th. & A.A. Beylich & Jonsson, H.P., 2010. Addressing frequency and magnitude of recent snow avalanches in Northern Iceland and Western Norway by using dendrogeomorphology. *Geophysical Research Abstracts* 12, EGU2010-4262.
- Decaulne, A., Eggertsson, Ó., Sæmundsson, Th., Laute, K., Beylich, A.A., Pop, O., Defive, E. & Larrue, S., 2010. The EuroDendo project – Snow-avalanche and debris-flow frequency in European Middle Mountains unravelled by dendrogeomorphological analyses. *Geophysical Research Abstracts* 12, EGU2010-4231.
- Decaulne, A., Eggertsson, Ó., Sæmundsson, Th., Laute, K., Beylich, A.A., Pop, O., defive, E. & Larrue, S., 2010. The Euro-Dendo project – Snow avalanche and debris flow frequency in European Middle Mountains unravelled by dendrogeomorphological analyses. *WorldDendo Conference, Rovaniemi, Finland. Abstracts.*
- Hansen, L., Waldmann, N., Ariztegui, D., Chapron, E., Eilertsen, R., Liermann, S., Laute, K. & Beylich, A.A., 2010. Radar structure of a Gilbert-type delta affected by rock-slope failure, Bødalen, Western Norway. *18th International Sedimentology Congress, Mendoza, Argentina, September 26th-October 1st, Abstracts.*
- Laute, K. & Beylich, A.A., 2010. Geomorphic (de-) coupling of hillslope and channel systems within headwater catchments in two subarctic tributary valleys, Nordfjord, Western Norway. *Geophysical Research Abstracts*, Vol. 12, EGU2010-1321, 2010.
- Laute, K., Decaulne, A. & Beylich, A.A., 2010. Using dendrogeomorphology and dendrochronology to assess the activity of different hillslope processes in two subarctic tributary valleys, Nordfjord, Western Norway. *Proceedings of the International Conference "Trees & Dynamics", November 15-19, 2010, Clermont-Ferrand, France. Abstract Volume: 72.*
- Laute, K., Beylich, A.A., Hansen, L. & Vatne, G., 2010. Postglacial hillslope development in paraglacial tributary catchments (ESF-NFR SedyMONT-Norway Project, SedyMONT, TOPO-EUROPE). *Geophysical Research Abstracts* 12, EGU2010-2734.

2009

- Beylich, A.A., Liermann, S. & Laute, K., 2009. Spatio-temporal variability of sediment sources and fluvial transport in two glacier-fed mountain catchments in Nordfjord, western Norway. *NGU Report 2009.050*: 19.
- Decaulne, A., Sæmundsson, Th., Eggertsson, Ó., Laute, K., & Beylich, A.A., 2009. Using dendrogeomorphology to address frequency and magnitude of recent snow avalanches on colluvial surfaces in cold mountain environments. *NGU Report 2009.050*: 23.
- Laute, K., Beylich, A.A. & Hansen, L., 2009. Sub-recent erosion and sedimentation within a paraglacial tributary catchment of the Nordfjorden valley-fjord system (Erdalen, western Norway). *Geophysical Research Abstracts 11, EGU2009-1439*.
- Laute, K., Beylich, A.A., Vatne, G. & Hansen, L., 2009. Subrecent erosion and sediment storage quantification within two paraglacial tributary catchments in Nordfjord, western Norway. *7th International Conference on Geomorphology (ANZIAG). Ancient Landscapes – Modern Perspectives. Conference Abstracts. Melbourne, Australia*.
- Laute, K., Beylich, A.A., Vatne, G. & Hansen, L., 2009. Hillslope processes and their variation over time within two tributary catchments in Nordfjord, western Norway. *NGU Report 2009.050*: 27, Fourth I.A.G. / A.I.G. SEDIBUD Workshop, Kingston, Ontario, Canada.

2008

- Beylich, A.A., Hansen, L., Liermann, S., Gintz, D., Laute, K., Vatne, G., Fredin, O., Burki, V. & Berthling, I., 2008. Sediment dynamics and sub-recent sediment budget of the braided sandur system at Sandane, Erdalen (Nordfjord, western Norway). In: Beylich, A.A., Lamoureux, S. & A. Decaulne (Eds.): *Sediment Fluxes and Sediment Budgets in Changing High-Latitude and High-Altitude Cold Environments. Third Workshop of I.A.G./A.I.G. SEDIBUD (Sediment Budgets in Cold Environments), Boulder, U.S.A. Geological Survey of Norway Report 2008.058 p. 21*.
- Beylich, A.A., Hansen, L., Liermann, S., Gintz, D., Laute, K., Vatne, G., Fredin, O., Burki, V., Berthling, I. & Schmidt, K.-H., 2008. Sub-recent development of the braided sandur system at Sandane, sub-Arctic oceanic upper Erdalen (Norway). *33rd International Geological Congress 2008, Oslo, Norway*.
- Beylich, A.A., Hansen, L., Liermann, S., Gintz, D., Laute, K., Vatne, G., Fredin, O., Burki, V., Berthling, I. & Schmidt, K.-H., 2008. Sub-recent sediment dynamics and sediment budget of the braided sandur system at Sandane, Erdalen (Nordfjord, Western Norway). *Geophysical Research Abstracts 10, EGU2008-A-02591*.
- Gintz, D., Beylich, A.A., Zippel, B. & Laute, K., 2008. Using biofilm analysis in steep bedload mountain streams for detection of stable and mobile channel units – a new approach for analysis of bedload transport. *33rd International Geological Congress 2008, Oslo, Norway*.
- Gintz, D., Beylich, A.A., Zippel, B. & Laute, K., 2008. Detection of stable and mobile channel units using biofilm analysis in cold environments. *Geophysical Research Abstracts 10, EGU2008-A-03877*.

2007

- Gintz, D., Laute, K., Schmidt, K.-H. & Morche, D., 2007. Hydraulic geometry, grain size and grain shape characteristics of a high mountain river (Partnach River, Upper Bavaria). In: Beylich, A.A., Lamoureux, S. & A. Decaulne (eds.): *Sediment Fluxes and Sediment Budgets in Changing High-Latitude and High-Altitude Cold Environments. Second Workshop of I.A.G./A.I.G. SEDIBUD (Sediment Budgets in Cold Environments), Abisko, Sweden. Geological Survey of Norway Report 2007.052, pp. 35-36*.

Editorship and other material:

- Beylich, A.A. & Laute, K., (Eds.) 2020. First IAG GeoNorth and IAG GeoNor Conference: *Geomorphology and Geomorphological Research in the Nordic Countries, 1-2 October 2020, virtual conference. GFL Geomorphological Field Laboratory Publication Series, Number 2,*

- October 2020. 43 pp. <http://geofieldlab.com/gfl-geomorphological-field-laboratory-publication-series/>
- Beylich, A.A. & Laute, K., (Eds.) 2019. Second Workshop of the IAG Working Group on Denudation and Environmental Changes in Different Morphoclimatic Zones (DENUCHANGE), 12-14 September 2019, Calpe, Spain. GFL Geomorphological Field Laboratory Publication Series, Number 1, September 2019. 49 pp. <http://geofieldlab.com/gfl-geomorphological-field-laboratory-publication-series/>
- Beylich, A.A. & Laute, K., (Eds.) 2012. Towards an integrated analysis of environmental drivers and rates of contemporary solute and sedimentary fluxes in changing cold climate environments. From coordinated field data generation to integration and modeling. Seventh I.A.G. / A.I.G. SEDIBUD Workshop and SEDIBUD Summer School on Quantitative analysis of geomorphologic processes: Field methods, experimental techniques and modeling. September 10 – 17, 2012, Trondheim and Loen, Norway. *NGF Abstracts and proceedings of the Geological Society of Norway*, 1. 160 pp.
- Beylich, A.A. & Laute, K., (Eds.) 2010. Detecting Landscape Change. ESF TOPO-EUROPE Workshop and PhD Summer School, August 31 – September 8, 2010, Loen (Nordfjord), Norway. *NGF Abstracts and Proceedings of the Geological Society of Norway*, 3. 115 pp.
- Laute, K., Navas, A. & Beylich, A.A., (Eds.) 2020. Denudational processes and landscape responses to global environmental changes. *Geomorphology* (Virtual Special Issue). <https://www.sciencedirect.com/journal/geomorphology/special-issue/10P2X98DS2K>
- SEDIBUD Key Test Site Database (compiled by K. Laute, D. Gintz & A.A. Beylich) online published: <http://www.geomorph.org/sedibud-working-group/>