

## List of publications

### Peer-reviewed publications:

#### **2020**

Beylich, A.A. & Laute, K., (in press): 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.

Laute, K. & Beylich, A.A., (in press): Recent glacier changes and formation of new proglacial lakes at the Jostedalbreen ice cap in southwest Norway. In: Beylich, A.A. (Ed.), *Landscapes and landforms of Norway*. Springer.

#### **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 Jostedalbreen 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.

### **Oral presentations at conferences and workshops:**

#### **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 Jostedalbreen 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. 1<sup>st</sup> 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. 11<sup>th</sup> 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). 8<sup>th</sup> 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. 8<sup>th</sup> 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 Jostedalbreen ice field (Western Norway). 7<sup>th</sup> 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 Jostedalbreen 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:**

#### **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. *10<sup>th</sup> 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. *10<sup>th</sup> 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. *9<sup>th</sup> 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. *9<sup>th</sup> 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 (Bødalen) 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. 8<sup>th</sup> 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 Bødalen and Erdalen valleys, inner Nordfjord, western Norway. 8<sup>th</sup> 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. 8<sup>th</sup> 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 Bødalen 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. *7<sup>th</sup> 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.
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