

Peer-
reviewed

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2. Hansen, L., Beylich, A. A., Burki, V., Eilertsen, R. S., **Fredin, O.**, Larsen, E., Lyså, A., Nesje, A., Stalsberg, K., Tønnesen, J.-F. 2009: Stratigraphic architecture and infill history of a deglaciated bedrock valley based on georadar, seismic profiling and drilling. *Sedimentology*, vol. 56, p. 1751-1773.
3. 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). *Norwegian Journal of Geography*, vol. 63, p. 123-131.
4. Burki, V., Larsen, E., **Fredin, O.**, Margreth, A. 2008: The formation of saw-tooth moraine ridges in Bødalen, western Norway. *Geomorphology*, vol. 105, p. 182-192
5. Burki, V., Larsen, E., **Fredin, O.**, Nesje, A. 2008: Glacial remobilisation cycles as revealed by lateral moraine sediment, Bødalsbreen glacier foreland, western Norway. *Holocene*, vol. 19, p. 415-426.
6. Goodfellow, B. W., **Fredin, O.**, Derron, M. -H., Stroeven, A. P. 2008: Weathering processes and Quaternary origin of an alpine blockfield in Arctic Sweden. *Boreas*, vol. 38, p. 379-398.
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8. Follestad, B. A., and **Fredin, O.**, 2007: Late Weichselian ice flow evolution in south-central Norway. *Norwegian Journal of Geology*, vol. 87, p. 281-289.
9. Fabel, D., Fink, D., **Fredin O.**, Harbor, J., Land, M., and Stroeven, A. P., 2006: Exposure ages from relict lateral moraines overridden by the Fennoscandian ice sheet. *Quaternary Research*, vol. 65, p. 136-146.
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11. **Fredin, O.**, 2004: Mountain centered icefields in northern Scandinavia. Doctoral thesis, Department of Physical Geography & Quaternary Geology, Stockholm University, Sweden. 77 pp.
12. **Fredin, O.**, 2002. Glacial inception and Quaternary mountain glaciations in Fennoscandia. *Quaternary International*, vol. 95-96, p. 99-112.

13. **Fredin, O.**, and Hättestrand, C., 2002. Relict lateral moraines in northern Sweden – evidence for a pre-late Weichselian ice sheet. *Sedimentary Geology*, vol. 149, p. 145-156.
14. Jansson, P., and **Fredin, O.**, 2002. Ice sheet growth under dirty conditions: Implications of debris cover for early glaciation advances. *Quaternary International*, vol. 95-96, p. 35-42.

Book chapters

1. **Fredin, O.**, Bergstrøm, B., Eilertsen, R., Hansen, L., Nesje, A., Sveian, H. in press: Glacial landforms and Quaternary landscape development in Norway. NGU Special publications. (projected publishing early 2009).

Technical reports

1. **Fredin, O.**, 2007. Use of satellite data for geological mapping on Svalbard and Arctic areas. Classified StatoilHydro report

Popular Science

1. **Fredin, O.**, 2004. Istiderna i fjällkedjan *Fjället*, no. 3.

Other Publications

1. **Fredin, O.** Spectral enhancement of satellite images for easier detection and mapping of glacial landforms Geophysical Research Abstracts, Vol. 10, EGU2008-A-08682, 2008
2. Beylich, A.A., Hansen, L., Liermann, S., Gintz, D., Laute, K., Vatne, G., **Fredin, O.**, Burki, V., Berthling, I., K.-H. Schmidt (2008): Sub-recent sediment dynamics and sediment budget of the braided sandur system at Sandane, Erdalen (Nordfjord, western Norway). Geophysical Research Abstracts. Vol. 10, EGU2008-A-02591, 2008
3. Osmundsen, P.T., Redfield, T.F., Hendriks, B.H.W, Henderson, I., Dehls, J., Lauknes, T.R., **Fredin, O.**, Larsen, Y., Davidsen, B., Anda, E. Normal fault control on alpine landscapes in Norway. Geophysical Research Abstracts, Vol. 10, EGU2008-A-08469, 2008
4. **Fredin, O.**, Larsen, E., Cyr, I., Jensen, M., Lyså, A. 2009: Combining satellite imagery and a new high quality elevation model for large scale mapping of glacial geology in NW Russia. Third International Conference and Workshop Arctic Palaeoclimate and its Extremes (APEX) – beyond the frontier. Copenhagen, March-2009
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7. Olesen, O., Bering, D., Brønner, M., **Fredin, O.**, Hendriks, B., Magnus, C., Rønning, J.-S., Solbakk, T., Øverland, J. A. Tropical weathering in

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8. Burki, V., Hansen, L., **Fredin, O.**, Beylich, B., Larsen, E. Glacier erosion rates since Little Ice age during advance and retreat of a Norwegian outlet glacier. Swiss Geoscience Meeting, Lugano, November 2008.
 9. **Fredin, O.** A summary on the role of glaciations on slope stability. Slope – Tectonics Congress 2008. Lausanne, Switzerland.
 10. Goodfellow, B.W., Stroeven, A.P., Fabel, D., **Fredin, O.**, Derron, M.-H., Caffee, M.W., Bintanja, R. Blockfield Origins: Neogene or Quaternary? Geophysical Research Abstracts, Vol. 10, EGU2008-A-00342, 2008
 11. Stroeven, A. P., Goodfellow, B., Fabel, D., **Fredin, O.**, Derron, M. -H, Caffee, M. W., Bintanja, R. 2007: Blockfields of Neogene age: Challenging the Paradigm. Geophysical Research Abstracts, Vol. 10, AGU fall meeting 2007, San Francisco, USA.
 12. **Fredin, O.**, Larsen, E., Lyså, A., Hansen, L., Beylich, A. A., Burki, V., Nesje, A., Derron, M. -H., Eilertsen, R., Tønnesen, J. -F. SEDITRANS – a Norwegian fjord valley system; sediment budget, processes and landscape development. SEDIBUD workshop sept. 2007, Abisko, Sweden.
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 15. Osmundsen, P. T., Redfield, T. F., Hendriks, B. H. W., Davidsen, B., Bergh, S., **Fredin, O.**, and Braathen, A., 2007: Tectonically controlled topography and landscape evolution in western Fennoscandia – some current ideas. Abstracts and Proceedings of the Geological Society of Norway, No. 1., p. 74.
 16. Derron, M.-H., **Fredin, O.**, Blikra, L. H., and Longva, O., 2006: Projects in numerical modeling of landscape evolution. 1st TopoNorge workshop, Geological Survey of Norway (NGU), Abstracts and Proceedings of the Geological Society of Norway, No. 1., p. 10.
 17. Follestad, B. A., and **Fredin, O.**, 2006: Topography, glacial landforms and climate, exemplified by ice flow patterns in Central East Norway. 1st TopoNorge workshop, Geological Survey of Norway (NGU), Abstracts and Proceedings of the Geological Society of Norway, No. 1., p. 16.

18. **Fredin, O.**, Derron, M.-H., Larsen, E., and Olsen, L., 2006: Deep-weathering in Norway – constraints on past landscape development and climate change, potential and problems. 1st TopoNorge workshop, Geological Survey of Norway (NGU), Abstracts and Proceedings of the Geological Society of Norway, No. 1., p. 16.
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22. Follestad, B.A., and **Fredin, O.**, 2006: Glacier temperature profiles and relation to landforms, exemplified by ice flow draining patterns in Northern Central East Norway. Bulletin of the Geological Society of Finland, Special Issue 1, 2006, p. 36
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