

## **ESSENTIAL READINGS**

### ***OVERVIEWS/REVIEWS***

- CARLSON, A.E., WINSOR, K., 2012. Northern Hemisphere ice-sheet responses to past climate warming. *Nature Geoscience*, **5**, 607-613.
- CLARK, P.U., DYKE, A.S., SHAKUN, J.D., CARLSON, A.E., CLARK, J., WOHLFARTH, B., MITROVICA, J.X., HOSTETLER, S.W., MCCABE, A.M., 2009. The Last Glacial Maximum. *Science* **325**, 710-714.
- HUGHES, A. L. C., GYLLENCREUTZ, R., LOHNE, Ø. S., MANGERUD, J., SVENDSEN, J. I., 2016. The last Eurasian ice sheets – a chronological database and time-slice reconstruction, DATED-1. *Boreas*. [10.1111/bor.12142](https://doi.org/10.1111/bor.12142). ISSN 0300-9483.
- INGÓLFSSON, Ó. & LANDVIK J.Y., 2013. The Svalbard-Barents Sea ice-sheet - Historical, current and future perspectives. *Quaternary Science Reviews* **64**, 33-60.
- JAKOBSSON, M., ANDREASSEN, K., BJARNADÓTTIR, L.R., DOVE, D., DOWDESWELL, J.A., ENGLAND, J.H., FUNDER, S., HOGAN, K., INGÓLFSSON, Ó., JENNINGS, A., LARSEN, N.K., KIRCHNER, N., LANDVIK, J.Y., MAYER, L., MIKKELSEN, N., MÖLLER, P., NIESSEN, F., NILSSON, J., O'REGAN, M., POLYAK, L., NØRGAARD-PEDERSEN, N., STEIN, R., 2014. Arctic Ocean glacial history. *Quaternary Science Reviews*, **92**, 40-67.
- MILLER, G. H., BRIGHAM-GRETTE, J., ALLEY, R. B., ANDERSON, L., BAUCH, H. A., DOUGLAS, M. S. V., EDWARDS, M. E., ELIAS, S. A., FINNEY, B. P., FITZPATRICK, J. J., FUNDER, S. V., HERBERT, T. D., HINZMAN, L. D., KAUFMAN, D. S., MACDONALD, G. M., POLYAK, L., ROBOCK, A., SERRZE, M. C., SMOL, J. P., SPIELHAGEN, R., WHITE, J. W. C., WOLFE, A. P. & WOLFF, E. W. 2010: Temperature and precipitation history in the Arctic. *Quaternary Science Reviews*, **29**, 1679-1715.
- SVENDSEN, J.I., ALEXANDERSSON, H., ASTAKHOV, V., DEMIDOV, J., DOWDESWELL, J.A., HENRIKSEN, M., HJORT, C., HOUMARK-NIELSEN, M., HUBBERTEN, H., INGÓLFSSON, Ó., JAKOBSSON, M., KJÆR, K., LARSEN, E., LOKRANTZ, H., LUUNKA, E.P., LYSÅ, A., MANGERUD, J., MASLENIKOVA, O., MATIOUSHKOV, A., MURRAY, A., MÖLLER, P., NIESSEN, F., SAARNISTO, M., SIEGERT, M., STEIN, R., & SPIELHAGEN, R. 2004. Ice sheet history of Northern Eurasia. *Quaternary Science Reviews*, **22**, 1229–1271.

### ***ICE STREAMS – ANCIENT AND MODERN***

- KIRCHNER, N., HUTTER, K., JAKOBSSON, M., GYLLENCREUTZ, R., 2011. Capabilities and limitations of numerical ice sheet models: a discussion for Earth-scientists and modelers. *Quaternary Science Reviews*, **30**, 3691-3704.
- LIVINGSTONE, S.J., Ó COFAIGH, C. STOKES, C.R., HILLENBRAND, C-D., VIELI, A., JAMIESON, S. 2012. Antarctic palaeo-ice streams. *Earth Science Reviews*, **11**, p. 90-128
- OTTESEN, D. & DOWDESWELL, J.A. 2009. An inter-ice-stream glaciated margin: Submarine landforms and a geomorphic model based on marine-geophysical data from Svalbard. *Geological Society of America Bulletin*, **121**, 1647–1665.
- Ó COFAIGH, C., DOWDESWELL, J.A., JENNINGS, A.E., HOGAN, K.A., KILFEATHER, A.A., HIEMSTRA, J.F., NOORMETS, R., EVANS, J., MCCARTHY, J.D., ANDREWS, J.T., LLOYD, J.M. & MOROS, M., 2013. An extensive and dynamic ice sheet on the West Greenland shelf during the last glacial cycle *Geology*, **41**. 219–222

## **GLACIAL ISOSTASY**

FORMAN, S., LUBINSKI, D., INGÓLFSSON, Ó., ZEEBERG, D., SNYDER, J.A. & MATISHOV, G.G. 2004: A review of postglacial emergence on Svalbard, Franz Josef Land and Novaya Zemlya, northern Eurasia. *Quaternary Science Reviews*, **22**, 1391-1434.

## **QUATERNARY DATING METHODS**

ALEXANDERSON, H., BACKMAN, J., CRONIN, T., FUNDER, S., INGÓLFSSON, Ó, JAKOBSSON, M., LANDVIK, J.Y., LÖWEMARK, L., MANGERUD, J., MÄRZ, C., MÖLLER, P., O'REGAN, M., SPIELHAGEN, R.F. 2014. An Arctic perspective on dating Mid-Late Pleistocene environmental history. *Quaternary Science Reviews*, **92**, 9-31.

IVY-OCHS, S., BRINER, J.P., 2014. Dating disappearing ice. *Elements magazine*, v. 10 (October), p. 351-356.

BRINER, J.P., 2011. Dating Glacial Landforms., In: Singh, V.P., Singh, P., U.K., H. (Eds.), *Encyclopedia of Snow, Ice and Glaciers*. Springer.

HAJDAS, I. 2008. Radiocarbon dating and its applications in Quaternary studies. *Quaternary Science Journal*, **57**, 2-24.

BALCO, G., 2011. Contributions and unrealized potential contributions of cosmogenic-nuclide exposure dating to glacier chronology, 1990-2010. *Quaternary Science Reviews*, **30**, 3-27.

RHODES, E. J. 2011: Optically Stimulated Luminescence Dating of Sediments over the Past 200,000 Years. *Annual Review of Earth and Planetary Sciences*, **39**, 461-488.

## **SVALBARD AND THE BARENTS SEA**

ALEXANDERSON, H., HENRIKSEN, M., RYEN, H. T., LANDVIK, J. Y. & PETERSON, G. 2018: 200 ka of glacial events in NW Svalbard: an emergence cycle facies model and regional correlations. *Arktos* **4**.

ECCLESHALL, S. V., HORMES, A., HOVLAND, A. & PREUSSER, F. 2016: Constraining the chronology of Pleistocene glaciations on Svalbard: Kapp Ekholm re-visited. *Boreas* **45**, 790–803.

GJERMUNDSEN, E.F., BRINER, J.P., AKCAR, N., SALVIGSEN, O. & KUBIK, P. 2013. Late Weichselian local ice dome configuration and chronology in Northwestern Svalbard: early thinning, late retreat. *Quaternary Science Reviews* **72**, 112-127.

HORMES, A., GJERMUNDSEN, E.F., RASMUSSEN, T.L. 2013. From mountain top to the deep sea - Deglaciation in 4D of the northwestern Barents Sea ice sheet. *Quaternary Science Reviews*, **75**, 78-99.

INGÓLFSSON, Ó., 2011. Fingerprints of Quaternary glaciations on Svalbard. *Geological Society, London, Special Publications*, **354**, 15-31.

LANDVIK, J.Y., INGÓLFSSON, Ó., MIENERT, J., LEHMAN, S. J., SOLHEIM, A., ELVERHØI, A. & OTTESEN, D., 2005: Rethinking Late Weichselian ice sheet dynamics in coastal NW Svalbard. *Boreas*, **34**, 7-24.

LANDVIK, J.Y., BONDEVIK, S., ELVERHØI, A., FJELDSKAAR, W., MANGERUD, J., SALVIGSEN, O., SIEGERT, M.J., SVENDSEN, J.I. & VORREN, T.O. 1998: The last glacial maximum of the Barents Sea and Svalbard area: Ice sheet extent and configuration. *Quaternary Science Reviews* **17**, 43-75.

LANDVIK, J.Y., ALEXANDERSON, H., HENRIKSEN, M., INGÓLFSSON, Ó. 2014. Landscape imprints of changing glacial regimes during ice-sheet build-up and decay: a conceptual model from Svalbard. *Quaternary Science Reviews*, **92**, 258-268.

LANDVIK, J.Y., BROOK, E.J., GUALTIERI, L., RAISBECK, G., SALVIGSEN, O. & YIOU, F. 2003: Northwest Svalbard during the last glaciation: Ice free areas existed. *Geology* **31**, 905-908.

- LANDVIK, J., BROOK, E.J., GUALTIERI, L., LINGE, H., RAISBECK, G., SALVIGSEN, O., YIOU, F., 2012.  $^{10}\text{Be}$  exposure age constraints on the Late Weichselian ice sheet geometry and dynamics in inter ice-stream areas western Svalbard. *Boreas* 42, 43-56.
- OTTESEN, D., DOWDESWELL, J.A., LANDVIK, J. & MIENERT, J. 2007. Dynamics and retreat of the Late Weichselian ice sheet on Svalbard inferred from high-resolution sea-floor morphology: *Boreas*, 36, 286–306.
- WINSBORROW, M. C. M., ANDREASSEN, K., CORNER, G.D., AND. LABERG, J.S., 2010. Deglaciation of a marine-based ice sheet: Late Weichselian paleo-ice dynamics and retreat in the southern Barents Sea reconstructed from onshore and offshore glacial geomorphology. *Quaternary Science Reviews*, 29, 424-442.

### **HOLOCENE OF SVALBARD**

- D'ANDREA, VAILLENCOURT, D.A., BALASCIO, N.L., WERNER, A., ROOF, S.R., RETELLE, M., BRADLEY, R.S., 2012. Mid Little Ice Age and unprecedented recent warmth in an 1800 year lake sediment record from Svalbard. *Geology*, 40, 1007-1010.
- FARNSWORTH, W. R., INGÓLFSSON, Ó., NOORMETS, R., ALLAART, L., ALEXANDERSON, H., HENRIKSEN, M. & SCHOMACKER, A. 2017. Dynamic Holocene glacial history of St. Jonsfjorden, Svalbard. *Boreas*, 46, 585–603. <https://doi.org/10.1111/bor.12269>. ISSN 0300-9483.
- HOLMGREN, S.U., BIGLER, C., INGÓLFSSON, Ó. AND WOLFE, A.P., 2009. The Holocene-Anthropocene transition in lakes of western Spitsbergen, Svalbard (Norwegian High Arctic): climate change and nitrogen deposition. *Journal of Paleolimnology*, 43, 393-412.
- HUMLUM, O., ELBERLING, B., HORMES, A., FJORDHEIM, K., HANSEN, O. H., AND HEINEMEIER, J. 2005. Late-Holocene glacier growth on Svalbard, documented by subglacial relict vegetation and living soil microbes. *The Holocene*, 15, 419-430.
- MANGERUD, J. & LANDVIK, J. Y. 2007. Younger Dryas cirque glaciers in western Spitsbergen: smaller than during the Little Ice Age. *Boreas*, 36, 278-285.
- SVENDSEN, J.I. & MANGERUD, J. 1997. Holocene glacial and climatic variations on Spitsbergen, Svalbard. *The Holocene* 7, 45-57.

### **BERINGIA**

- PENDLETON, S.L.\*, CEPERLEY, E.G.\*, BRINER, J.P., KAUFMAN, D.S., AND ZIMMERMAN, S., 2015. Rapid and early deglaciation in the central Brooks Range, Arctic Alaska. *Geology* 43, 419-422.
- BARCLAY, D.J., WILES, G.C., PARKER E. CALKIN, P.E., 2009. Holocene glacier fluctuations in Alaska. *Quaternary Science Reviews* 28, 2034–2048.
- BRINER, J.P., TULENKO, J.P., KAUFMAN, D.S., YOUNG, N.E., BAICHTAL, J.F., LESNEK, A. 2017. The last Deglaciation of Alaska. *Cuadernos de Investigación Geográfica* 43, <http://doi.org/10.18172/cig.3229>.

### **ARCTIC CANADA**

- YOUNG, N.\*, BRINER, J.P., ROOD, D., AND FINKEL, R., 2012. Glacier extent during the Younger Dryas and 8.2 ka event on Baffin Island, Arctic Canada. *Science* 337, 1330-1333.
- BRINER, J.P., BINI, A.C., AND ANDERSON, R.S. 2009. Rapid early Holocene retreat of a Laurentide outlet glacier through an Arctic fjord. *Nature Geoscience*, 2, 496-499.

- BRINER, J.P., MILLER, G.H., THOMPSON DAVIS, P. AND FINKEL, R.C., 2006. Cosmogenic radionuclides from fiord landscapes support differential erosion by overriding ice sheets. *GSA Bulletin*, **118**, 406-420.
- ENGLAND, J., ATKINSON, N., BEDNARSKI, J., DYKE, A.S., HODGSON, D.A. AND Ó COFAIGH, C. 2006. The Innuitian Ice Sheet: configuration, dynamics and chronology. *Quaternary Science Reviews*, **25**, 689-703.
- MILLER, G.H., LEHMAN, S.J., REFUNDER, K.A., SOUTHON, J.R., AND ZHONG, Y., 2013, Unprecedented recent summer warmth in Arctic Canada. *Geophysical Research Letters*, **40**, doi:10.1002/2013GL057188, 2013

### **ICELAND**

- HUBBARD, A., SUGDEN, D.A., DUGMORE, A., NORDDAHL, H. AND PÉTURSSON, H.G., 2006. A modelling insight into the Icelandic Last Glacial Maximum ice sheet. *Quaternary Science Reviews*, **25**, 2283–2296.
- INGÓLFSSON, Ó., NORDDAHL, H. & SCHOMACKER, A. 2009: Deglaciation and Holocene Glacial history of Iceland. In Schomacker, A., Krüger, J. & Kjær, K. (eds.) *The Myrdalsjokull ice cap, Iceland*. Elsevier. *Developments in Quaternary Sciences*, **13**, 51-68.
- NORDDAHL, H., INGÓLFSSON, Ó. 2015. Collapse of the Icelandic ice sheet controlled by sea-level rise? *Arktos* **1**, DOI 10.1007/s41063-015-0020-x
- PATTON, H., HUBBARD, A., BRADWELL, T. & SCHOMACKER, A., 2017. The configuration, sensitivity and rapid retreat of the Late Weichselian Icelandic ice sheet. *Earth-Science Reviews* **166**, 223–245.

### **GREENLAND**

- YOUNG, N.E., SCHWEINSBERG, A.D., BRINER, J.P., AND SCHAEFER, J.M., 2015. Glacier maxima in Baffin Bay during the Medieval warm period coeval with Norse settlement. *Science Advances*, **1**, no. 11, e1500806.
- LARSEN, N. K., KJÆR, K. H., LECAVALIER, B., BJØRK, A. A., COLDING, S., HUYBRECHTS, P., OLSEN, J. (2015). The response of the southern Greenland ice sheet to the Holocene thermal maximum. *Geology*, **43**, 291-294.
- YOUNG, N.E., BRINER, J.P., 2015. Holocene evolution of the western Greenland Ice Sheet: Assessing geophysical ice-sheetmodels with geological reconstructions of ice-margin change. *Quaternary Science Reviews* **114**, 1-17.
- BRINER, J.P., KAUFMAN, D.S., BENNIKE, O., KOSNIK, M.A., 2014. Amino acid ratios in reworked marine bivalve shells constrain Greenland Ice Sheet history during the Holocene. *Geology*, **42**, 75-78.
- YOUNG, N.E., BRINER, J.P., ROOD, D., FINKEL, R., CORBETT, L., BIERMAN, P., 2013. The Fjord Stade moraines in western Greenland and early Holocene abrupt climate change. *Quaternary Science Reviews*, **60**, p. 76-90.
- FUNDER, S., KJELDSSEN, K.K., KJÆR, K. AND COFAIGH, C.O., 2011. The Greenland Ice sheet during the past 300,000 years: a review. In: J. Ehlers, P. L. Gibbard and P. D. Hughes (Eds.), *Quaternary Glaciations - Extent and Chronology*, **15**, 699-713. Elsevier, Amsterdam.
- CORBETT, L.B., YOUNG, N.E., BIERMAN, P.R., BRINER, J.P., NEUMANN, T.A., ROOD, D.H. AND GRALY, J.A., 2011. Paired bedrock and boulder <sup>10</sup>Be concentrations resulting from early Holocene ice retreat near Jakobshavn Isfjord, western Greenland. *Quaternary Science Reviews*, **30**, 1739-1749.

SCHAEFER, J.M., FINKEL, R., BALCO, G., ALLEY, R.B., CAFFEE, M., BRINER, J.P., YOUNG, N.E., GOW, A.J., AND SCHWARTZ, R. 2016. GISP2 bedrock reveals extended periods of ice-free Greenland during the Pleistocene. *Nature*, **540**, p. 252-255.

SCHWEINSBERG, A.D., BRINER, J.P., MILLER, G.H., BENNIKE, O., AND THOMAS, E.K. (2017). Local glaciation in West Greenland linked to North Atlantic Ocean circulation during the Holocene. *Geology*, **45**, 195-198.

### **ARCTIC RUSSIA**

KRINNER, G., MANGERUD, J., JAKOBSSON, M., CRUCIFIX, M., RITZ, C., SVENDSEN, J.I., 2004. Enhanced ice sheet growth in Eurasia owing to adjacent ice-dammed lakes. *Nature* **427**, 429–432.

LARSEN, E., KJÆR, K.H., DEMIDOV, I.N., FUNDER, S., GRØSFJELD, K., HOUMARK-NIELSEN, M., JENSEN, M., LINGE, H. AND LYSÅ, A., 2006. Late Pleistocene glacial and lake history of northwestern Russia. *Boreas*, **35**, 394-424.

LYSÅ, A., JENSEN, M.A., LARSEN, E., FREDIN, O., DEMIDOV, I.N., 2011. Ice-distal landscape and sediment signatures evidencing damming and drainage of large pro-glacial lakes, northwest Russia. *Boreas* **40**, 481–497.

SVENDSEN, J.I., ALEXANDERSON, H., ASTAKHOV, V.I., DEMIDOV, I., DOWDESWELL, J.A., FUNDER, S., GATAULLIN, V., HENRIKSEN, M., HJORT, C., HOUMARK-NIELSEN, M., HUBBERTEN, H.W., INGOLFSSON, O., JAKOBSSON, M., KJÆR, K.H., LARSEN, E., LOKRANTZ, H., LUNKKA, J.P., LYSÅ, A., MANGERUD, J., MATIOUCHKOV, A., MURRAY, A., MÖLLER, P., NIESSEN, F., NIKOLSKAYA, O., POLYAK, L., SAARNISTO, M., SIEGERT, C., SIEGERT, M.J., SPIELHAGEN, R.F., STEIN, R. 2004. Late Quaternary ice sheet history of northern Eurasia. *Quaternary Science Reviews*, **23**, 1229-1271.

SVENDSEN, J.I., PRESTHUS HEGGEN, H., HUFTHAMMER, A.K., MANGERUD, J., PAVLOV, P., ROEBROEKS, W. 2010. Geo-archaeological investigations of Palaeolithic sites along the Ural Mountains – On the northern presence of humans during the last Ice Age. *Quaternary Science Reviews* **29**, 3138-3156.

SVENDSEN, JOHN-INGE; KRÜGER, LINN CECILIE; MANGERUD, JAN; ASTAKHOV, V. I.; PAUS, AAGE; NAZAROV, DMITRY; MURRAY, ANDREW 2014: Glacial and vegetation history of the Polar Ural Mountains in northern Russia during the Last Ice Age, Marine Isotope Stages 5-2. *Quaternary Science Reviews* **92**, 409-428

SLIMAK, L., SVENDSEN, J.I., MANGERUD, J., PLISSON, H., PRESTHUS HEGGEN, H., BRÜGERE, A. AND PAVLOV, P.Y. 2011: Late Mousterian Persistence near the Arctic Circle. *Science* **332**, 841-845

### **KARA SEA ICE SHEET**

INGÓLFSSON, Ó., MÖLLER, P. AND LOKRANTZ, H., 2008. Late Quaternary marine-based Kara Sea ice sheets: a review of terrestrial stratigraphic data highlighting their formation. *Polar Research*, **27**, 152-161.

MÖLLER, P., HJORT, C., ALEXANDERSON, H. AND SALLABA, F., 2011. Glacial History of the Taymyr Peninsula and the Severnaya Zemlya Archipelago, Arctic Russia. In: J. Ehlers, P. L. Gibbard and P. D. Hughes (Eds.), *Quaternary Glaciations - Extent and chronology*, **15**, pp. 373-384. Elsevier B.V., Amsterdam.

MÖLLER, P., LUBINSKI, D.B., INGÓLFSSON, Ó., FORMAN, S.L., SEIDENKRANTZ, M.-S., BOLSHIYANOV, D.U., LOKRANTZ, H., ANTONOV, O., PAVLOV, M., LJUNG, K., ZEEBERG, J.J., ANDREEV, A., 2006. Severnaya Zemlya, Arctic Russia: a nucleation area for Kara Sea ice sheets during the Middle to Late Quaternary. *Quaternary Science Reviews* **25**, 2894-2963.

## **COMPLEMENTARY AND ADVANCED READING**

### ***ICE STREAMS – ANCIENT AND MODERN***

- Benn, D.I. and Evans, D.J.A., 2010. *Glaciers and Glaciation*. 2nd edition, John Wiley and Sons, Inc., New York, pp. 802. Chapters 12.4 and 12.5.
- Bentley, C.R., 1987. Antarctic ice streams: a review. *Journal of Geophysical Research*, v. 92 (B9), p. 8843-8858.
- Clarke, G.K.C., 1987. Fast glacier flow: ice streams, surging, and tidewater glaciers. *Journal of Geophysical Research*, v. 92 (B9), p. 8835-8841.
- Dowdeswell, J.A. and Siegert, M.J., 1999. Ice-sheet numerical modeling and marine geophysical measurements of glacier-derived sedimentation on the Eurasian Arctic continental margins. *Geological Society of America, Bulletin*, v. 111, p. 1080-1097.
- Dowdeswell, J.A., Ottesen, D., Evans, J., Ó Cofaigh, C. and Anderson, J.B., 2008. Submarine glacial landforms and rates of ice-stream collapse. *Geology*, 36, 819-822.
- Joughin, I., Tulaczyk, S., Bindschadler, R. and Price, S.F., 2002. Changes in West Antarctic ice stream velocities: Observation and analysis. *Journal of Geophysical Research*, 107(B11).
- Kjær, K.H., Khan, S.A., Korsgaard, N.J., Wahr, J., Bamber, J.L., Hurkmans, R., van den Broeke, M., Timm, L.H., Kjeldsen, K.K., Bjørk, A.A., Larsen, N.K., Jørgensen, L.T., Færch-Jensen, A., Willerslev, E., 2012. Aerial Photographs Reveal Late-20th-Century Dynamic Ice Loss in Northwestern Greenland. *Science* 337, 569-573.
- Le Heron, D.P. and Craig, J., 2008. First order reconstructions of a Late Ordovician Saharan ice sheet. *Journal of the Geological Society, London*, v. 165, p. 19-29.
- Ó Cofaigh, C., Taylor, J., Dowdeswell, J.A. and Pudsey, C.J., 2003. Palaeo-ice streams, troughmouth fans and high-latitude continental slope sedimentation. *Boreas*, v. 32, p. 37-55.
- Ó Cofaigh, C., Evans, J., Dowdeswell, J.A. and Larter, R.D. (2007). Till characteristics, genesis and transport beneath Antarctic paleo-ice streams. *Journal of Geophysical Research*. 112, F03006, doi:10.1029/2006JF000606.
- Polyak, L., Edwards, M.H., Coakley, B.J. and Jakobsson, M., 2001. Ice shelves in the Pleistocene Arctic Ocean inferred from glaciogenic deep-sea bedforms. *Nature*, 410, 453-457.
- Siegert, M. J., and Dowdeswell, J. A. (2004). Numerical reconstructions of the Eurasian Ice Sheet and climate during the Late Weichselian. *Quaternary Science Reviews* 23, 1273-1283.
- Sund, M., Eiken, T., Hagen, J.O. and Kääb, A., 2009. Svalbard surge dynamics derived from geometric changes. *Annals of Glaciology*, 50(52), 50-60.
- Vorren, T.O., Laberg, J.S., Blaume, F., Dowdeswell, J.A., Kenyon, N.H., Mienert, J., Rumohr, J. and Werner, F., 1998. The Norwegian-Greenland Sea continental margins: morphology and Late Quaternary sedimentary processes and environment. *Quaternary Science Reviews*, v. 17, p. 273-302.

### ***QUATERNARY DATING METHODS***

- Bondevik, S., Mangerud, J., Birks, H.H., Gulliksen, S. and Reimer, P., 2006. Changes in North Atlantic radiocarbon reservoir ages during the Allerød and Younger Dryas. *Science*, 312, 1514-1517.
- Forman, S.L., 1999. Infrared and Red Stimulated Luminescence Dating of Late Quaternary near-shore sediments from Spitsbergen, Svalbard. *Arctic, Antarctic, and Alpine Research* 31, 34-49.

- Mangerud, J., Bondevik, S., Gulliksen, S., Hufthammer, K.A. and Hoisaeter, T., 2006. Marine 14C reservoir ages for 19th century whales and molluscs from the North Atlantic. *Quaternary Science Reviews*, 25, 3228-3245.
- Ojala, A.E.K., Francus, P., Zolitschka, B., Besonen, M., Lamoureux, S.F., 2012. Characteristics of sedimentary varve chronologies. *Quaternary Science Reviews* 43, 45-60.
- Preusser, F., Degering, D., Fuchs, M., Hilgers, A., Kadereit, A., Klasen, N., Krbetschek, M., Richter, D. & Spencer, J. Q. G. 2008. Luminescence dating: basics, methods and applications. *Quaternary Science Journal*, 57, 95-149.
- Reimer, P. J., Bard, E., Bayliss, A., Beck, J. W., Blackwell, P. G., Bronk Ramsey, C., Buck, C. E., Cheng, H., Edwards, R. L., Friedrich, M., Grootes, P. M., Guilderson, T. P., Haflidason, H., Hajdas, I., Hatté, C., Heaton, T. J., Hoffmann, D. L., Hogg, A. G., Hughen, K. A., Kaiser, K. F., Kromer, B., Manning, S. W., Niu, M., Reimer, R. W., Richards, D. A., Scott, E. M., Southon, J. R., Staff, R. A., Turney, C. S. M. & van der Plicht, J. 2013: IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0–50,000 Years cal BP. *Radiocarbon* 55, 1869-1887.
- Snyder, J. A., Miller, G. H., Werner, A., Jull, A. J. T., and Stafford, T. W. (1994). AMS radiocarbon dating of organic-poor lake sediment, an example from Linnévatnet, Spitsbergen, Svalbard. *The Holocene* 4, 413-421.

#### **SVALBARD AND THE BARENTS SEA**

- Alexanderson, H., Landvik, J.Y., Molodkov, A. and Murray, A.S., 2011. A multi-method approach to dating middle and late Quaternary high sea-level events on NW Svalbard – A case study. *Quaternary Geochronology* 6, 326-340.
- Alexanderson, H., Landvik, J. Y. & Ryen, H. T. 2011: Chronology and styles of glaciation in an inter-fjord setting, northwestern Svalbard. *Boreas*, 40, 175-197.
- Andersson, T., Ingólfsson, O. and Manley, W., 1999. Late Quaternary environmental history of central Prins Karls Forland, Svalbard. *Boreas*, 28, 292-307.
- Boulton, G.S., Baldwin, C.T., Peacock, J.D., McCabe, A.M., Miller, G.H., Jarvis, J., Horsefield, B., Worsley, P., Eyles, N., Chroston, P.N., Day, T.E., Gibbard, P., Hare, P.E. and von Brunn, V., 1982. A glacioisostatic facies model and amino acid stratigraphy for late Quaternary events in Spitsbergen and the Arctic. *Nature*, 298, 437-441.
- Dowdeswell, J. A., Hogan, K. A., Evans, J., Noormets, R., O Cofaigh, C. & Ottesen, D. 2010: Past ice-sheet flow east of Svalbard inferred from streamlined subglacial landforms. *Geology*, 38, 163-166.
- Forman, S.L., 1989. Late Weichselian glaciation and deglaciation of Forlandssundet area, western Spitsbergen, Svalbard. *Boreas*, 18, 51-60.
- Forman, S.L. and Ingólfsson, Ó., 2000. Late Weichselian glacial history and postglacial emergence of Phippsøya, Sjuøyane, northern Svalbard: a comparison of modeled and empirical estimates of a glacial-rebound hinge line. *Boreas*, 29, 16–25.
- Gjermundsen, E.F., Briner, J.P., Akçar, N., Foros, J., Kubik, P.W., Salvigsen, O., Hormes, A., submitted. Arctic alpine topography minimally carved during Quaternary glaciation.
- Hald, M., Ebbesen, H., Forwick, M., Godtliebsen, F., Khomenko, L., Korsun, S., Ringstad Olsen, L. and Vorren, T.O., 2004. Holocene paleoceanography and glacial history of the West Spitsbergen area, Euro-Arctic margin. *Quaternary Science Reviews*, 23(20-22), 2075-2088.

- Hebbeln, D., Dokken, T., Andersen, E.S., Hald, M. and Elverhøi, A., 1994. Moisture supply for northern ice-sheet growth during the last glacial maximum. *Nature*, 370, 357–360.
- Hebbeln, D. and Wefer, G., 1997. Late Quaternary paleoceanography in the Fram Strait. *Paleoceanography* 12, 65-78.
- Hormes, A., Akçar, N., Kubik, P.W., 2011. Cosmogenic radionuclide dating indicates ice-sheet configuration during MIS 2 on Nordaustlandet, Svalbard. *Boreas* 40, 636-649.
- Houmark-Nielsen, M. and Funder, S., 1999. Pleistocene stratigraphy of Kongsfjordhallet, Spitsbergen, Svalbard. *Polar Research*, 18, 39-49.
- Ingólfsson, O. and Wiig, Ø., 2008. Late Pleistocene fossil find in Svalbard: the oldest remains of a polar bear (*Ursus maritimus* Phipps, 1744) ever discovered. *Polar research*, 455-462.
- Jessen, S.P., Rasmussen, T.L., Nielsen, T. and Solheim, A., 2010. A new Late Weichselian and Holocene marine chronology for the western Svalbard slope 30,000-0. cal years BP. *Quaternary Science Reviews* 29, 1301-1312.
- Lambeck, K., 1995. Constraints on the Late Weichselian Ice Sheet over the Barents Sea from observations of raised shorelines. *Quaternary Science Reviews*, 14, 1-16.
- Lambeck, K., 1996. Limits on the areal extent of the Barents Sea ice sheet in Late Weichselian time. *Global and Planetary Change*, 12, 41-51.
- Landvik, J.Y., Bolstad, M., Lycke, K., Mangerud, J. and Sejrup, H.P., 1992. Weichselian stratigraphy and palaeoenvironments at Bellsund, western Svalbard. *Boreas*, 21, 335-358.
- Landvik, J.Y., Mangerud, J. and Salvigsen, O., 1987. The Late Weichselian and Holocene shoreline displacement on the west-central coast of Svalbard. *Polar Research*, 5, 29-44.
- Lehman, S.J. and Forman, S.L., 1992. Late Weichselian glacier retreat in Kongsfjorden, West Spitsbergen, Svalbard. *Quaternary Research*, 37, 139-154.
- Lønne, I. and Mangerud, J., 1991. An Early or Middle Weichselian sequence of proglacial, shallow marine sediments on western Svalbard. *Boreas*, 20, 85-104.
- Mangerud, J., Dokken, T., Hebbeln, D., Heggen, B., Ingólfsson, O., Landvik, J. Y., Mejdahl, V., Svendsen, J. I. & Vorren, T. O. 1998: Fluctuations of the Svalbard-Barents Sea Ice Sheet during the last 150 000 years. *Quaternary Science Reviews*, 17, 11-22.
- Mangerud, J., Bolstad, M., Elgersma, A., Helliksen, D., Landvik, J.Y., Lønne, I., Lycke, A.K., Salvigsen, O., Sandahl, T. and Svendsen, J.I., 1992. Last Glacial Maximum on Spitsbergen, Svalbard. *Boreas*, 38, 1-31.
- Miller, G.H., 1982. Quaternary Depositional episodes, Western Spitsbergen, Norway: Aminostratigraphy and glacial history. *Arctic and Alpine Research* 14(4), 321-340.
- Ottesen, D. and Dowdeswell, J.A., 2006. Assemblages of submarine landforms by tidewater glaciers in Svalbard. *Journal of Geophysical Research*, 111, F01016.
- Ottesen, D., Dowdeswell, J.A. and Rise, L., 2005. Submarine landforms and the reconstruction of fast-flowing ice streams within a large Quaternary ice sheet: The 2500-km-long Norwegian-Svalbard margin (57°–80°N). *Geological Society of America Bulletin*, 117, 1033–1050.
- Velichko, A.A., Kononov, Y.M. and Faustova, M.A., 1997. The last glaciation on earth: size and volume of ice sheets. *Quaternary International*, 41/42, 43-51.
- Tveranger, J., Astakhov, V., Mangerud, J. and Svendsen, J.I., 1999. Surface form of the south-western sector of the last Kara sea ice sheet. *Boreas*, 28(1), 81-91.



Vorren, T.O., Landvik, J.Y., Andreassen, K. and Laberg, J.S., 2010. Glacial History of the Barents Sea Region. In: J. Ehlers, P. L. Gibbard and P. D. Hughes (Eds.), *Developments in Quaternary Science*, 15, pp. 361-372. Elsevier, Amsterdam.

### **HOLOCENE OF SVALBARD**

- Blake, W., 2006. Occurrence of *Mytilus edulis* complex on Nordaustlandet, Svalbard: radiocarbon ages and climatic implications. *Polar Research*, 25(2), 123-137.
- Bondevik, S., Mangerud, J., Ronnert, L. and Salvigsen, O., 1995. Postglacial sea-level history of Edgeøya and Barentsøya, eastern Svalbard. *Polar Research*, 14, 153-180.
- Brückner, H., Schellmann, G. and van der Borg, K., 2002. Uplifted Beach Ridges in Northern Spitsbergen as Indicators for Glacio-Isostasy and Palaeo-Oceanography. *Zeitschrift für Geomorphologie*, N.F., 46, 309-336.
- Forwick, M., Vorren, T.O., 2009. Late Weichselian and Holocene sedimentary environments and ice rafting in Isfjorden, Spitsbergen. *Palaeogeography, Palaeoclimatology, Palaeoecology* 280, 258-274.
- Hald, M. and Korsun, S., 2008. The 8200 cal. yr BP event reflected in the Arctic fjord, Van Mijenfjorden, Svalbard. *The Holocene*, 18(6), 981-990.
- Holm, T.M., Koinig, K.A., Andersen, T., Donali, E., Hormes, A., Klaveness, D. and Psenner, R., 2011. Rapid physicochemical changes in the high Arctic Lake Kongressvatn caused by recent climate change. *Aquatic Sciences*.
- Kristensen, L., Benn, D. I., Hormes, A. & Ottesen, D. 2009: Mud aprons in front of Svalbard surge moraines: Evidence of subglacial deforming layers or proglacial glaciotectonics? *Geomorphology*, 111, 206-221.
- Luoto, T.P., Nevalainen, L., Kubischta, F., Kultti, S., Knudsen, K.L., Salonen, V.-P., 2011. Late Quaternary ecological turnover in High Arctic Lake Einstaken, Nordaustlandet, Svalbard (80° N). *Geografiska Annaler: Series A, Physical Geography* 93, 337-354.
- Macias-Fauria, M., Grinstad, A., Helama, S., Moore, J., Timonen, M., Martma, T., Isaksson, E., Eronen, M., 2009. Unprecedented low twentieth century winter sea ice extent in the Western Nordic Seas since A.D. 1200. *Climate Dynamics* 34, 781-795.
- Salvigsen, O., 2002. Radiocarbon-dated *Mytilus edulis* and *Modiolus* from northern Svalbard: climatic implications. *Norsk Geografisk Tidsskrift*, 56, 56-61.
- Salvigsen, O. and Høgvard, K., 2005. Glacial history, Holocene shoreline displacement and palaeoclimate based on radiocarbon ages in the area of Bockfjorden, northwestern Spitsbergen, Svalbard. *Polar Research*, 125(1), 15-24.
- Sarnthein, M., van Kreveld, S., Erlenkeuser, H., Grootes, P. M., Kucera, M., Pflaumann, U., and Schulz, M. (2003). Centennial-to-millennial-scale periodicities of Holocene climate and sediment injections off the western Barents shelf, 75°N. *Boreas* 32, 447-461.
- Slubowska, M., Koç, N., Rasmussen, T.L. and Klitgaard-Kristensen, D., 2005. Changes in the flow of Atlantic water into the Arctic Ocean since the last deglaciation: Evidence from the northern Svalbard continental margin, 80N. *Paleoceanography*, 20, PA4014.
- Velle, G., Kongshavn, K. and Birks, H.J.B., 2011. Minimizing the edge-effect in environmental reconstructions by trimming the calibration set: Chironomid inferred temperatures from Spitsbergen. *The Holocene* 21, 417-430.
- Werner, A., 1993. Holocene moraine chronology, Spitsbergen, Svalbard: lichenometric evidence for multiple neoglacial advances in the Arctic. *The Holocene*, 3(2), 128-137.

Wohlfarth, B., Lemdahl, G., Olsson, S., Persson, T., Snowball, I., Ising, J. and Jones, V., 1995. Early Holocene environment on Bjørnøya (Svalbard) inferred from multidisciplinary lake sediment studies. *Polar Research*, 14(2), 253-275.

### ***PALAEOCEANOGRAPHY***

- Andrews, J.T., 1998. Abrupt changes (Heinrich events) in late Quaternary North Atlantic marine environments: a history and review of data and concepts. *Journal of Quaternary Science*, 13, 3-16.
- Bradley, R.S. and England, J.H., 2008. The Younger Dryas and the Sea of Ancient Ice. *Quaternary Research*, 70, 1-10.
- Knies, J. and Gaina, C., 2008. Middle Miocene ice sheet expansion in the Arctic: Views from the Barents Sea. *Geochemistry, Geophysics, Geosystems*, 9, Q02015.
- Jakobsson, M., Backman, J., Rudels, B., Nycander, J., Frank, M., Mayer, L., Jokat, W., Sangiorgi, F., O'Regan, M., Brinkhuis, H., King, J. and Moran, K., 2007. The early Miocene onset of a ventilated circulation regime in the Arctic Ocean. *Nature*, 447, 986-989.
- Moran, K. et al., 2006. The Cenozoic palaeoenvironment of the Arctic Ocean. *Nature*, 441, 601-605.
- Peltier, W.R., 2007. Rapid climate change and Arctic Ocean freshening. *Geology*, 35(12), 1147-1148.
- Polyak, L., Edwards, M.H., Coakley, B.J. and Jakobsson, M., 2001. Ice shelves in the Pleistocene Arctic Ocean inferred from glaciogenic deep-sea bedforms. *Nature*, 410, 453-457.
- Rasmussen, T.L., Thomsen, E., Slubowska, M.A., Jessen, S., Solheim, A. and Koç, N., 2007. Paleoceanographic evolution of the SW Svalbard margin (76 degrees N) since 20,000 14C yr BP. *Quaternary Research*, 67, 100-114.
- Ślubowska-Woldengen, M., Rasmussen, T.L., Koç, N., Klitgaard-Kristensen, D., Nilsen, F., Solheim, A., 2007. Advection of Atlantic Water to the western and northern Svalbard shelf since 17,500 cal yr BP. *Quaternary Science Reviews* 26, 463-478.

### ***ALASKA and BERINGIA***

- Abbott, M.B., Finney, B.P., Edwards, M.E. and Kelts, K.R., 2000. Lake-level reconstructions and paleohydrology of Birch Lake, central Alaska, based on seismic reflections profiles and core transects. *Quaternary Research*, 53, 154-166.
- Barclay, D.J., Wiles, G.C., and Calkin, P.E., 2009. Holocene glacier fluctuations in Alaska. *Quaternary Science Reviews*. V. 28, p. 2034-2048.
- Bartlein, P., Anderson, P.M., Edwards, M.E. and McDowell, P.F., 1991. A framework for interpreting paleoclimatic variations in eastern Beringia. *Quaternary International*, 10-12, 73-83.
- Bartlein, P.J., Anderson, K.H., Anderson, P.M., Edwards, M.E., Mock, C.J., Thompson, R.S., Webb, R.S., Webb, T., III and Whitlock, C., 1998. Paleoclimate simulations for North America over the past 21,000 years: Features of the simulated climate and comparisons with paleoenvironmental data. *Quaternary Science Reviews*, 17, 549-585.
- Beget, J.E., 2001. Continuous Late Quaternary proxy climate records from loess in Beringia. *Quaternary Science Reviews*, 20, 499-507.
- Brigham-Grette, J. and Hopkins, D.M., 1995. Emergent marine record and paleoclimate of the last interglaciation along the northwest Alaskan coast. *Quaternary Research*, 43, 159-173.

- Brigham-Grette, J., Hopkins, D.M., Ivanov, V., Basilyan, A., Benson, S.L., Heiser, P. and Pushkar, V.S., 2001. Last Interglacial (Isotope Stage 5) glacial and sea level history of coastal Chukotka Peninsula and St. Lawrence Island. *Quaternary Science Reviews*, 20, 419-437.
- Brigham-Grette, J. and Gualtieri, L., 2004. Response to Grosswald and Hughes (2004), Brigham-Grette et al. (2003). "Chlorine-36 and 14C chronology support a limited last glacial maximum across central Chukotka, northeastern Siberia, and no Beringian ice sheet," and Gualtieri et al. (2003), "Pleistocene raised marine deposits on Wrangel Island, northeastern Siberia: implications for Arctic ice sheet history." *Quaternary Research*, 62, 227-232.
- Brigham-Grette, J., Gualtieri, L.M., Glushkova, O.Y., Hamilton, T.D., Mostoller, D. and Kotov, A., 2003. Chlorine-36 and 14C chronology support a limited last glacial maximum across central chukotka, northeast Siberia, and no Beringian ice sheet. *Quaternary Research*, 59, 386-398.
- Briner, J.P., Axford, Y., Forman, S.L., Miller, G.H., and Wolfe, A.P. (2007). Multiple generations of interglacial lake sediment preserved beneath the Laurentide Ice Sheet. *Geology*, v. 35, p. 887-890.
- Calkin, P.E., Wiles, G.C. and Barclay, D.J., 2001. Holocene coastal glaciation of Alaska. *Quaternary Science Reviews* 20, 135-148.
- De Vernal, A. and Pedersen, T.P., 1997. Micropaleontology and palynology of core PAR87A-10: a 23,000 year record of paleoenvironmental changes in Gulf of Alaska, northeast North Pacific. *Paleoceanography* 12, 821-830.
- Elias, S.A., 2001. Beringian Paleoecology: results from the 1997 workshop. *Quaternary Science Reviews*, 20, 7-13.
- Elias, S.A., Short, S.K., Nelson, C.H. and Birks, H.H., 1996. Life and times of the Bering land bridge. *Nature*, 382, 60-63.
- Glushkova, O.Y., 2001. Geomorphological correlation of the late Pleistocene glacial complexes of western and eastern Beringia. *Quaternary Science Reviews* 20, 405-417.
- Goetchnus, V.G. and Birks, H.H., 2001. Full-glacial upland tundra vegetation preserved under tephra in the Beringia National Park, Seward Peninsula, Alaska. *Quaternary Science Reviews*, 20, 135-148.
- Grosswald, M.G., 1998. Late-Weichselian ice sheets in Arctic and Pacific Siberia. *Quaternary International*, 45/46, 3-18.
- Hamilton, T.D. and Brigham-Grette, J., 1991. The last interglaciation in Alaska: stratigraphy and paleoecology of potential sites. *Quaternary International*, 10-12, 49-71.
- Hofle, C., Edwards, M.E., Hopkins, D.M., Mann, D.H. and Ping, C.-L., 2000. The full-glacial environment of the northern Seward Peninsula, Alaska, Reconstructed from the 21,500-year-old Kitluk paleosol. *Quaternary Research*, 53, 143-153.
- Hu, F.S., Ito, E., Brubaker, L.B. and Anderson, P.M., 1998. Ostracod geochemical record of Holocene climatic change and implication for vegetational response in the northwestern Alaska Range. *Quaternary Research*, 49, 86-95.
- Hu, F.S., Kaufman, D., Yoneji, S., Nelson, D., Shemesh, A., Huang, Y., Tian, J., Bond, G., Clegg, B. and Brown, T., 2003. Cyclic Variation and Solar Forcing of Holocene Climate in the Alaskan Subarctic. *Science*, 301, 1890-1893.

- Kaufman, D.S., Manley, W.F., 2004. Pleistocene Maximum and Late Wisconsin glacier extents across Alaska, USA, In: Ehlers, J., Gibbard, P. (Eds.), *Quaternary Glaciations—Extent and Chronology, Part II, North America*. Elsevier, Amsterdam, pp. 9-27.
- Kaufman, D.S., Forman, S.L., Lea, P.D. and Wobus, C.W., 1996. Age of pre-late-Wisconsin glacial-estuarine sedimentation, Bristol Bay, Alaska. *Quaternary Research*, 45, 59-72.
- Kaufman, D.S., Porter, S.C. and Gillespie, A.R., 2003. Quaternary alpine glaciation in Alaska, the Pacific Northwest, Sierra Nevada, and Hawaii. *Development in Quaternary Science*, 1, 77-103.
- Kaufman, D.S., Young, N.E., Briner, J.P. and Manley, W.F., 2011. Alaska Palaeo-Glacier Atlas (Version 2). In: J. Ehlers, P. L. Gibbard and P. D. Hughes (Eds.), *Quaternary Glaciations - Extent and chronology*, 15, pp. 427-445. Elsevier B.V., Amsterdam.
- Kokorowski, H.D., Anderson, P.M., Mock, C.J. and Lozhkin, A.V., 2008. A re-evaluation and spatial analysis of evidence for a Younger Dryas climatic reversal in Beringia. *Quaternary Science Reviews*, 27, 1710-1722.
- Prueher, L.M. and Rea, D.K., 1998. Rapid onset of glacial conditions in the subarctic North Pacific region at 2.67 Ma; clues to causality. *Geology*, 26(11), 1027-1030.
- Wiles, G.C. and Calkin, P.E., 1993. Neoglacial fluctuations and sedimentation of an icebergalving glacier resolved with tree rings (Kenai Fjords National Park, Alaska). *Quaternary International*, 18, 35-42.
- Wiles, G.C., D'Arrigo, R.D., Villalba, R., Calkin, P.E. and Barclay, D.J., 2004. Century-scale solar variability and Alaskan temperature change over the past millennium. *Geophysical Research Letters*, 31, L15203.

### **ARCTIC CANADA**

- Abbott, M.B. and Stafford, T.W., 1996. Radiocarbon Geochemistry of Modern and Ancient Lake Systems, Baffin Island, Canada. *Quaternary Research*, 45, 300-311.
- Anderson, R.K., Miller, G.H., Briner, J.P., Lifton, N.A. and DeVogel, S.B., 2008. A millennial perspective on Arctic warming from 14C in quartz and plants emerging from beneath ice caps. *Geophysical Research Letters*, 35, L01502.
- Atkinson N., 2003. Late Wisconsinan glaciation of Amund and Ellef Ringnes islands, Nunavut: evidence for the configuration, dynamics and deglacial chronology of the SW sector of the Innuitian Ice Sheet. *Canadian Journal of Earth Sciences* 40: 351-363.
- Blake W., 1970. Studies of glacial history in Arctic Canada. I. Pumice, radiocarbon dates and postglacial uplift in the eastern Queen Elizabeth Islands. *Canadian Journal of Earth Sciences* 7: 634-664.
- Briner, J.P., Miller, G.H., Davis, P.T., Bierman, P.R. and Caffee, M., 2003. Last Glacial Maximum ice sheet dynamics in Arctic Canada inferred from young erratics perched on ancient tors. *Quaternary Science Reviews*, 22, 437-444.
- Briner, J.P., Kaufman, D.S., Manley, W.F., Finkel, R.C. and Caffee, M.W., 2005. Cosmogenic exposure dating of late Pleistocene moraine stabilization in Alaska. *Geological Society of America Bulletin*, 117, 1108-1120.
- Briner, J.P., Axford, Y., Forman, S.L., Miller, G.H. and Wolfe, A.P., 2007. Multiple generations of interglacial lake sediment preserved beneath the Laurentide Ice Sheet. *Geology*(35), 887-890.

- Briner, J.P., Davis, P.T., and Miller, G. H. (2009). Latest Pleistocene and Holocene glaciation of Baffin Island: Key patterns and chronologies. *Quaternary Science Reviews*, v. 28, p. 2075-2087.
- Dyke, A.S., 1999. Last Glacial Maximum and deglaciation of Devon Island, Arctic Canada: support for an Inuitian Ice Sheet. *Quaternary Science Reviews*, 18, 393-420.
- Dyke, A.S., Andrews, J.T., Clark, P.U., England, J.H., Miller, G.H., Shaw, J., and Veillette, J.J., 2002, The Laurentide and Inuitian ice sheets during the Last Glacial Maximum: *Quaternary Science Reviews*, v. 21, p. 9-31.
- England, J., 1998. Support for the Inuitian Ice Sheet in the Canadian High Arctic during the Last Glacial Maximum. *Journal of Quaternary Science*, 13, 275-280.
- Fulton R.J. ed. (1989) *Quaternary Geology of Canada and Greenland. The Geology of North America Vol. K-1.* Geological Society of America.
- Joynt, E.H. and Wolfe, A.P., 2001. Paleoenvironmental inference models from sediment diatom assemblages in Baffin Island lakes (Nunavut, Canada) and reconstruction of summer water temperature. *Canadian Journal of Fisheries and Aquatic Sciences*, 58, 1222-1243.
- Kaufman, D. S., Ager, T. A., Anderson, N. J., Anderson, P. M., Andrews, J. T., Bartlein, P. J., Brubaker, L. B., Coats, L. L., Cwynar, L. C., Duvall, M. L., Dyke, A. S., Edwards, M. E., Eisner, W. R., Gajewski, K., Geirsdóttir, Á., Hu, F. S., Jennings, A. E., Kaplan, M. R., Kerwin, M. W., Lozhkin, A. V., MacDonald, G. M., Miller, G. H., Mock, C. J., Oswald, W. W., Otto-Bliesner, B. L., Porinchu, D. F., Rühland, K., Smol, J. P., Steig, E. J. & Wolfe, B. B. 2004: Holocene thermal maximum in the western Arctic (0-180°W). *Quaternary Science Reviews*, **23**, 529-560.
- Kessler, M.A., Anderson, R.S. and Briner, J.P., 2008. Fjord insertion into continental margins driven by topographic steering of ice. *nature geoscience*, 1, 365-369.
- Miller, G.H. and de Vernal, A., 1992. Will greenhouse warming lead to Northern Hemisphere ice-sheet growth? *Nature*, 355, 244-246.
- Miller, G.H., Mode, W.N., Wolfe, A.P., Sauer, P.E., Bennike, O., Forman, S.L., Short, S.K. and Stafford, T.W., 1999. Stratified interglacial lacustrine sediments from Baffin Island, Arctic Canada: chronology and paleoenvironmental implications. *Quaternary Science Reviews*, 18, 789-810.
- Miller, G.H., Wolfe, A.P., Briner, J.P., Sauer, P.E. and Nesje, A., 2005. Holocene glaciation and climate evolution of Baffin Island, Arctic Canada. *Quaternary Science Reviews*, 24, 1703-1721.
- MILLER, G.H., WOLFE, A.P., STEIG, E.J., SAUER, P.E., KAPLAN, M.R. AND BRINER, J.P., 2002. The Goldilocks dilemma: big ice, little ice, or "just-right" ice in the Eastern Canadian Arctic. *Quaternary Science Reviews*, 21, 33-48.
- Moore, J.J., Hughen, K.A., Miller, G.H. and Overpeck, J.T., 2001. Little Ice Age recorded in summer temperature reconstruction from varved sediments of Donard Lake, Baffin Island, Canada. *Journal of Paleolimnology*, 25, 503-517.
- Ó Cofaigh, C. (1998). Geomorphic and sedimentary signatures of early Holocene deglaciation in High Arctic fiords, Ellesmere Island, Canada: Implications for deglacial ice dynamics and thermal regime. *Canadian Journal of Earth Sciences*, 35, 437-452.
- Ó Cofaigh, C., England, J. & Zreda, M. (2000). Late Wisconsinan glaciation of southern Eureka Sound: evidence for extensive Inuitian ice in the Canadian High Arctic during the Last Glacial Maximum. *Quaternary Science Reviews*, 19, 1319-1341.

- Steig, E.J., Wolfe, A.P. and Miller, G.H., 1998. Wisconsinan refugia and the glacial history of eastern Baffin Island, Arctic Canada: Coupled evidence from cosmogenic isotopes and lake sediments. *Geology*, 26, 835-838.
- Wolfe, A.P., 2002. Climate modulates the acidity of arctic lakes on millennial timescales. *Geology*, 30, 215-218.
- Wolfe, A.P., Fréchette, B., Richard, P.J.H., Miller, G.H. and Forman, S.L., 2000. Paleoecological assessment of a >90,000-year record from Fog Lake, Baffin Island, Arctic Canada. *Quaternary Science Reviews* 19, 1677-1699.

### **ICELAND**

- Andrews, J.T., Hardardóttir, J., Helgadóttir, G., Jennings, A.E., Geirsdóttir, Á., Sveinbjörnsdóttir, Á.E., Schoolfield, S., Kristjánisdóttir, G.B., Smith, L.M., Thors, K. and Syvitsky, J.P.M., 2000. The N and W Iceland Shelf: insights into Last Glacial Maximum ice extent and deglaciation based on acoustic stratigraphy and basal radiocarbon AMS dates. *Quaternary Science Reviews*, 19, 619-631.
- Björck, S., Rundgren, M., Ingólfsson, Ó. and Funder, S., 1997. The Preboreal oscillation around the nordic seas: terrestrial and lacustrine responses. *Journal of Quaternary Science*, 12, 455-465.
- Buchardt, B. and Símonarson, L.A., 2003. Isotope palaeotemperatures from the Tjornes beds in Iceland: evidence of Pliocene cooling. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 189, 71-95.
- Eiriksson, J., Knudsen, K.L., Haflidason, H. and Henriksen, P., 2000. Late-glacial and Holocene palaeoceanography of the North Atlantic shelf. *Journal of Quaternary Science*, 15, 23-42.
- Geirsdóttir, Á., Hardardóttir, J. and Eiríksson, J., 1997. The depositional history of the Younger Dryas-Preboreal Búdi moraines in south-central Iceland. *Arctic and Alpine Research*, 29, 13-23.
- Geirsdóttir, Á. and Eiríksson, J., 1994. Growth of an intermittent ice sheet during the late Pliocene and early Miocene. *Quaternary Research*, 42, 115-130.
- Ingólfsson, Ó. and Norddahl, H., 2001. High relative sea-level during the Bølling interstadial in W Iceland: a reflection of ice-sheet collapse and extremely rapid glacial unloading. *Arctic, Antarctic and Alpine Research*, 33, 231-243.
- Nordahl, H. and Pétursson, H.G., 2005. Relative Sea-Level Changes in Iceland; new Aspects of the Weichselian Deglaciation of Iceland. In: C. Caseldine, A. Russel, J. Hardardottir and O. Knudsen (Eds.), *Iceland - Modern Processes and Past Environments*. Elsevier, Amsterdam, 25-78.
- Rundgren, M., 1995. Biostratigraphic evidence of the Allerød-Younger Dryas-Preboreal oscillation in northern Iceland. *Quaternary Research*, 44, 405-416.
- Rundgren, M. and Ingólfsson, Ó., 1999. Plant survival in Iceland during periods of glaciation? *Journal of Biogeography*, 26, 387-396.

### **GREENLAND**

- Adrielsson, L. and Alexanderson, H., 2005. Interactions between the Greenland Ice Sheet and the Liverpool Land coastal ice cap during the last two glaciation cycles. *Journal of Quaternary Science*, 20(Verbier), 269-283.

- Anderson, N.J. and Leng, M.J., 2004. Increased aridity during the early Holocene in West Greenland inferred from stable isotopes in laminated-lake sediments. *Quaternary Science Reviews*, 23, 841-849.
- Bennike, O., 2004. Holocene sea-ice variations in Greenland: onshore evidence. *The Holocene*, 14, 607-613.
- Bennike, O. and Björck, S., 2002. Chronology of the last recession of the Greenland Ice Sheet. *Journal of Quaternary Science*, 17(Verhier), 211-219.
- Bennike, O. and Sparrenbom, C.J., 2007. Dating of the Narssarsuaq stade in southern Greenland. *The Holocene*, 17, 279-282.
- Björck, S., Rundgren, M., Ingólfsson, Ó. and Funder, S., 1997. The Preboreal oscillation around the nordic seas: terrestrial and lacustrine responses. *Journal of Quaternary Science*, 12, 455-465.
- Björck, S., Bennike, O., Rosén, P., Andresen, C.S., Bohncke, S., Kaas, E. and Conley, D., 2002. Anomalously mild Younger Dryas summer conditions in southern Greenland. *Geology*, 30, 427-430.
- Bonow, J.M., Lidmar-Bergström, K. and Japsen, P., 2006. Palaeosurfaces in central West Greenland as reference for identification of tectonic movements and estimation of erosion. *Global and Planetary Change*, 50, 161-183.
- Denton, G.H., Alley, R.B., Comer, G.C. and Broecker, W.S., 2005. The role of seasonality in abrupt climate change. *Quaternary Science Reviews* 24, 1159-1182.
- Dowdeswell, J.A., Hogan, K.A., Ó Cofaigh, C., Fugelli, E.M., Evans, J. and Noormets, R. (2014). Late Quaternary ice flow in a West Greenland fjord and cross-shelf trough system: submarine landforms from Rink Isbrae to Uummannaq shelf and slope. *Quaternary Science Reviews*, v. 92, p. 292-309.
- Evans, S., Dowdeswell, J.A., Grobe, H., Niessen, F., Stein, R., Hubberten, H.-W. and Whittington, R.J., 2002. Late Quaternary sedimentation in Kejsar Franz Joseph Fjord and the continental margin of East Greenland. In: J.A. Dowdeswell and C. O Cofaigh (Eds.), *Glacier influenced sedimentation on high latitude continental margins*. Geological Society of London, London, 149-406.
- Evans, J. Ó Cofaigh, C. Dowdeswell, J.A. and Peter Wadhams, P. (2009). Marine geophysical evidence for former expansion and flow of the Greenland Ice Sheet across the northeast Greenland continental shelf. *Journal of Quaternary Science*, v. 24, p. 279-293.
- Funder, S., Hjort, C., Landvik, J.Y., Nam, S.I., Reeh, N. and Stein, R., 1998. History of a stable ice margin - Greenland during the Middle and Upper Pleistocene. *Quaternary Science Reviews*, 17, 77-123.
- Funder, S. and Hansen, L., 1996. The Greenland ice sheet - a model for its culmination and decay during and after the last glacial maximum. *Bulletin of the Geological Society of Denmark*, 42(137-152), 137-152.
- Funder, S., Hjort, C., Landvik, J.Y., Nam, S.I., Reeh, N. and Stein, R., 1998. History of a stable ice margin - Greenland during the Middle and Upper Pleistocene. *Quaternary Science Reviews*, 17, 77-123.
- Funder, S., Bennike, O., Böcher, J., Israelson, C., Petersen, K.S. and Símonarson, L.A., 2001. Late Pliocene Greenland – The Kap København Formation in North Greenland. *Bulletin of the Geological Society of Denmark* 48, 117-134.

- Funder, S., Jennings, M. and Kelly, M., 2004. Middle and late Quaternary glacial limits in Greenland. In: J. Ehlers and P.L. Gibbard (Eds.), *Quaternary Glaciations – Extent and Chronology, Part II*. Elsevier B.V.
- Hansen, L., 2001. Landscape and coast development of a lowland fjord margin following deglaciation, East Greenland. *Geografiska Annaler*, 83A, 131-144.
- Hansen, L., 2004. Deltaic infill of a deglaciated arctic fjord, east Greenland: sedimentary facies and sequence stratigraphy. *Journal of Sedimentary Research*, 74, 422-437.
- Hansen, L., Funder, S., Murray, A.S. and Mejdahl, V., 1999. Luminescence dating of the last Weichselian Glacier advance in East Greenland. *Quaternary Geochronology*, 18, 179-190.
- Håkansson, L., Briner, J.P., Alexanderson, H., Aldahan, A. and Possnert, G., 2007.  $^{10}\text{Be}$  ages from central east Greenland constrain the extent of the Greenland ice sheet during the Last Glacial Maximum. *Quaternary Science Reviews*, 26, 2316-2321.
- Håkansson, L., Graf, A., Strasky, S., Ivy-Ochs, S., Kubik, P.W., Hjort, C. and Schlüchter, C., 2007. Cosmogenic  $^{10}\text{Be}$ -ages from the Store Koldewey island, NE Greenland. *Geografiska Annaler*, 89 A, 195-202.
- Jennings, A.E., Hald, M., Smith, M. and Andrews, J.T., 2006. Freshwater forcing from the Greenland Ice Sheet during the Younger Dryas: evidence from southeastern Greenland shelf cores. *Quaternary Science Reviews*, 25, 282-298.
- Jennings, A.E., Walton, M.E., Ó Cofaigh, C., Kilfeather, A., Andrews, J.T., Ortiz, J.D., DeVernal, A. and Dowdeswell, J.A., 2014. Paleoenvironments during Younger Dryas-Early Holocene retreat of the Greenland Ice Sheet from outer Disko Trough, central west Greenland. *Journal of Quaternary Science*, v. 29, p. 27-40.
- Kaplan, M.R., Wolfe, A.P. and Miller, G.H., 2002. Holocene environmental variability in southern Greenland inferred from lake sediments. *Quaternary Research*, 58, 149-159.
- Kelly, M., Funder, S., Houmark-Nielsen, M., Knudsen, K.L., Kronborg, C., Landvik, J. And Sorby, L., 1999. Quaternary glacial and marine history of Northwest Greenland: a review and reappraisal. *Quaternary Science Reviews*, 18, 373-392.
- Kelly, M.A., Lowell, T.V., Hall, B.L., Schaefer, J.M., Goehring, B.M., Alley, R.B. and Denton, G.H., in press. A  $^{10}\text{Be}$  chronology of late-glacial and Holocene mountain glaciation in the Scoresby Sund region, east Greenland: Implications for seasonality during late-glacial time. *Quaternary Science Reviews*.
- Kelly, M.A. and Long, A.J., 2009. The dimensions of the Greenland Ice Sheet since the Last Glacial Maximum. *PAGES News*, 17(2), 60-61.
- Létréguilly, A., Huybrechts, P. and Reeh, N., 1991. Steady-state characteristics of the Greenland ice sheet under different climates. *Journal of Glaciology*, 37, 149-157.
- Lloyd, J.M., Parka, L.A., Kuijpers, A. and Moros, M., 2005. Early Holocene palaeoceanography and deglacial chronology of Disko Bugt, West Greenland. *Quaternary Science Reviews*, 24, 1741-1755.
- Long, A.J., Roberts, D.H. and Dawson, S., 2006. Early Holocene history of the West Greenland ice sheet and the GH-8.2 event. *Quaternary Science Reviews*, 25(9-10), 904-922.
- Ó Cofaigh, C., Dowdeswell, J.A., Evans, J., Kenyon, N.H., Taylor, J., Mienert, J. & Wilken, M. (2004). Timing and significance of glacially-influenced mass-wasting in the submarine channels of the Greenland Basin. *Marine Geology*, 207, 39-54.



- Ó Cofaigh, C., Andrews, J.T., Jennings, A.E., Dowdeswell, J.A., Kilfeather, A.A., Hogan, K. and Sheldon, C. (2013). Glacimarine lithofacies, provenance, and depositional processes on a West Greenland trough-mouth fan. *Journal of Quaternary Science*, v. 28, p.13-26.
- Reeh, N., 2004. Holocene climate and fjord glaciations in Northeast Greenland: implications for IRD deposition in the North Atlantic. *Sedimentary geology*, 165, 333-342.
- Sparrenbom, C.J., Bennike, O., Björck, S. and Lambeck, K., 2006. Relative sea-level changes since 15 000 cal. yr BP in the Nanortalik area, southern Greenland. *Journal of Quaternary Science*, 21, 29-48.
- Sparrenbom, C.J., Bennike, O., Björck, S. and Lambeck, K., 2006. Holocene relative sea-level changes in the Qaqortoq area, southern Greenland. *Boreas*, 35, 171-187.
- Weidick, A., 1995. Greenland. In: R.S.J. Williams and J.G. Ferrigno (Eds.), *Satellite image of glaciers of the world*. U.S. Geological Survey Professional Paper 141.
- Weidick, A., Kelly, M. and Bennike, O., 2004. Late Quaternary development of the southern sector of the Greenland Ice Sheet, with particular reference to the Qassimiut lobe. *Boreas*, 33, 284-299.
- Willemse, N.W., Koster, E.A., Hoogakker, B. and van Tatenhove, F.G.M., 2003. A continuous record of Holocene eolian activity in West Greenland. *Quaternary Research*, 59, 322-334.
- Wooller, M.J., Francis, D., Fogel, M.E., Miller, G.H., Walker, I.R. and Wolfe, A.P., 2004. Quantitative paleotemperature estimates from  $\delta^{18}O$  in chironomid head capsules from arctic lake sediments. *Journal of Paleolimnology*, 31, 267-274.
- Young, N.E., Briner, J.P., Stewart, H.A.M., Axford, Y., Csatho, B., Rood, D.H. and Finkel, R.C., 2011. The response of Jakobshavn Isbrae to Holocene climate change. *Geology* 39, 131-134.
- Zreda, M., England, J., Phillips, F., Elmore, D. and Sharma, P., 1999. Unblocking of Nares Strait by Greenland and Ellesmere ice-sheet retreat 10,000 years ago. *Nature*, 398, 139-142.

### ***INTERGLACIALS AND INTERSTADIALS***

- Törnqvist, T.E., Hijma, M.P., 2012. Links between early Holocene ice-sheet decay, sea-level rise and abrupt climate change. *Nature geoscience* 5, 601-606.
- Buchardt, B. and Simonarson, L.A., 2003. Isotope palaeotemperatures from the Tjornes beds in Iceland: evidence of Pliocene cooling. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 189, 71-95.
- Eldrett, J.S., Harding, I.C., Wilson, P.A., Butler, E. and Roberts, A.P., 2007. Continental ice in Greenland during the Eocene and Oligocene. *Nature*, 446, 176-179.
- Funder, S., Bennike, O., Böcher, J., Israelson, C., Petersen, K.S. and Simonarson, L.A., 2001. Late Pliocene Greenland – The Kap København Formation in North Greenland. *Bulletin of the Geological Society of Denmark* 48, 117-134.
- Grøsfjeld, K., Funder, S., Seidenkrantz, M.-S. and Glaister, C., 2006. Last Interglacial marine environments in the White Sea region, northwestern Russia. *Boreas*, 35, 493-520.
- Jakobsson, M., Gardner, J.V., Vogt, P., Mayer, L.A., Armstrong, A., Backman, J., Brennan, R., Calder, B., Hall, J.K. and Kraft, B., 2005. Multibeam bathymetric and sediment profiler evidence for ice grounding on the Chukchi Borderland, Arctic Ocean, Arctic Ocean. *Quaternary Research*, 63, 150-160.
- Jensen, M., Larsen, E., Demidov, I.N., Funder, S. and Kjær, K.H., 2006. Depositional environments and sea-level changes deduced from Middle Weichselian tidally influenced sediments, Arkhangelsk region, northwestern Russia. *Boreas*, 35, 521-538.

- Lisiecki, L.E. and Raymo, M.E., 2007. Plio–Pleistocene climate evolution: trends and transitions in glacial cycle dynamics. *Quaternary Science Reviews*, 26, 56-69.
- Murray, A.S., Svendsen, J.I., Mangerud, J. and Astakhov, V.I., 2007. Testing the accuracy of quartz OSL dating using a known-age Eemian site on the river Sula, northern Russia. *Quaternary Geochronology* (2), 102–109.
- Otto-Bliesner, B.L. and Last Interglacial Project members, C., 2006. Simulating Arctic Climate Warmth and Icefield Retreat in the Last Interglaciation. *Science*, 311, 1751-1753.
- Overpeck, J., Otto-Bliesner, B.L., Miller, G.H., Muhs, D.R., Alley, R.B. and Kiehl, J.T., 2006. Paleoclimatic Evidence for Future Ice-Sheet Instability and Rapid Sea-Level Rise. *Science*, 311, 1747-1750.
- Tripati, A., Backman, J., Elderfield, H. and Ferretti, P., 2005. Eocene bipolar glaciation associated with global carbon cycle changes. *Nature*, 436, 341-346.

### ***ARCTIC RUSSIA, BARENTS AND KARA SEA ICE SHEET***

- Alexanderson, H., Hjort, C., Möller, P., Antonov, O., Pavlov, M., 2001. The North Taymyr icemarginal zone, Arctic Siberia - a preliminary overview and dating. *Global and Planetary Change* 31, 427-445.
- Astakhov, V., 2004. Middle Pleistocene glaciations of the Russian North. *Quaternary Science Reviews*, 23, 1285–1311.
- Astakhov, V., 2008. Geographical extremes in the glacial history of Eurasia: post-QUEEN considerations. *Polar Research*, 27, 280–288.
- Astakhov, V.I. and Isayeva, L.L., 1988. The "Ice Hill": an example of "retarded deglaciation" in Siberia. *Quaternary Science Reviews*, 7, 29–40.
- Astakhov, V.I., 2006. Evidence of Late Pleistocene ice-dammed lakes in West Siberia. *Boreas*, 35, 607–621.
- Boulton, G.S., Dongelmans, P., Punkari, M. and Broadgate, M., 2001. Paleoglaciology of an ice sheet through a glacial cycle: the European ice sheet through the Weichselian. *Quaternary Science Reviews*, 20, 591-625.
- Demidov, I.N., Houmark-Nielsen, M., Kjær, K.H., Larsen, E., Lyså, A., Funder, S., Lunkka, J.- P. and Saarnisto, M., 2004. Valdaian glacial maxima in the Arkhangelsk district of northwestern Russia. In: J. Ehlers and P.L. Gibbard (Eds.), *Quaternary Glaciations – Extent and Chronology*, 321-336.
- Demidov, I.N., Houmark-Nielsen, M., Kjær, K.H. and Larsen, E., 2006. The last Scandinavian ice sheet in northwestern Russia: Ice flow patterns and decay dynamics. *Boreas*, 35.
- Forman, S.L., Ingólfsson, O., Gataullin, V., Manley, W.F. and Lokrantz, H., 2002. Late Quaternary stratigraphy, glacial limits, and paleoenvironments of the Marresale area, western Yamal Peninsula, Russia. *Quaternary Research*, 57, 355–370.
- Forman, S.L., Ingólfsson, Ó., Gataullin, V., Manley, W.F. & Lokrantz, H. 1999: Late Quaternary Stratigraphy of Marresale, Yamal Peninsula, Russia: New constraints on the configuration of the Eurasian Ice Sheet. *Geology* 27, 807-810.
- Grøsfjeld, K., Funder, S., Seidenkrantz, M.-S. and Glaister, C., 2006. Last Interglacial marine environments in the White Sea region, northwestern Russia. *Boreas*, 35, 493-520.
- Ingólfsson, Ó. & Lokrantz, H. 2003: Massive ground ice body of glacial origin at Yugorski Peninsula, Arctic Russia. *Permafrost and Periglacial Processes* 14, 199-215.
- Jørgensen, T., Haile, J., Möller, P., Andreev, A., Boessenkool, S., Rasmussen, M., Kienast, F., Coissac, E., Taberlet, P., Brochmann, C., Bigelow, N., Andersen, K., Orlando, L., Gilbert,

- M.T.P., Willerslev, E., 2012. A comparative study of ancient sedimentary DNA, pollen and macrofossils from permafrost sediments of northern Siberia reveals long-term vegetational stability. *Molecular Ecology* 21, 1989-2003.
- Kjær, K.H., Larsen, E., Funder, S., Demidov, I.N., Jensen, M., Håkansson, L. and Murray, A., 2006. Eurasian ice sheet interaction in northwestern Russia throughout the late Quaternary. *Boreas* 35, 445-475.
- Larsen, E., Kjær, K.H., Jensen, M., Demidov, I.N., Håkansson, L. and Paus, A., 2006. Early Weichselian palaeoenvironments reconstructed from a mega-scale thrust-fault complex, Kanin Peninsula, northwestern Russia. *Boreas*, 35, 476-492.
- Larsen, E., Kjær, K.H., Demidov, I.N., Funder, S., Grøsfjeld, K., Houmark-Nielsen, M., Jensen, M., Linge, H. and Lyså, A., 2006. Late Pleistocene glacial and lake history of northwestern Russia. *Boreas*, 35, 394-424.
- Linge, H., Larsen, E., Kjær, K.H., Demidov, I., Brook, E.J., Raisbeck, G.M. and Yiou, F., 2006. Cosmogenic <sup>10</sup>Be exposure age dating across Early to Late Weichselian ice-marginal zones in northwestern Russia. *Boreas*, 35.
- Lokrantz, H., Ingólfsson, Ó. & Forman, S.L. 2003: Glaciotectonised Quaternary sediments at Cape Shpindler, Yugorski Peninsula, Arctic Russia: implications for glacial history, ice movements and Kara Sea Ice Sheet configuration. *Journal of Quaternary Science* 18, 527-543.
- Mangerud, J., Svendsen, J.I. and Astakhov, V.I., 1999. Age and extent of the Barents and Kara ice sheets in Northern Russia. *Boreas*, 28, 46-80.
- Mangerud J., Gosse J., Matiouchkov A., Dolvik T. 2008: Glaciers in the Polar Urals, Russia, were not much larger during the Last Global Glacial Maximum than today. *Quaternary Science Reviews* 27, 1047-1057.
- Mangerud, J., Jakobsson, M., Alexanderson, H., Astakhov, V., Clarke, G.K.C., Henriksen, M., Hjort, C., Krinner, G., Lunkka, J.-P., Möller, P., Murray, A., Nikolskaya, O., Saarnisto, M., Svendsen, J.I., 2004. Ice-dammed lakes and rerouting of the drainage of northern Eurasia during the Last Glaciation. *Quaternary Science Reviews* 23, 1313-1332.
- Mangerud, J., Svendsen, J.I., Astakhov, V. 1999: Age and extent of the Barents and Kara sea ice sheets in Northern Russia. *Boreas* 28, 46-80.
- Polyak, L., Niessen, F., Gataullin, V. and Gainanov, V., 2008. The eastern extent of the Barents-Kara ice sheet during the Last Glacial Maximum based on seismic-reflection data from the eastern Kara Sea. *Polar Research*, 27, 162-174.
- Schirmermeister, L., Siegert, C., Kuznetsova, T., Kuzmina, S., Andreev, A., Kienast, F., Meyer, H., Bobrov, A., 2002. Paleoenvironmental and paleoclimatic records from permafrost deposits in the Arctic region of Northern Siberia. *Quaternary International* 89, 97-118.
- Schirmermeister, L., Kunitsky, V., Grosse, G., Wetterich, S., Meyer, H., Schwamborn, G., Babiy, O., Derevyagin, A.Y., Siegert, C., 2011. Sedimentary characteristics and origin of the Late Pleistocene Ice Complex on north-east Siberian Arctic coastal lowlands and islands - A review. *Quaternary International* 241, 3-25.
- Sher, A.V., Kuzmina, S.A., Kuznetsova, T.V. and Sulerzhitsky, L.D., 2005. New insights into the Weichselian environment and climate of the East Siberian Arctic derived from fossil insects, plants and mammals. *Quaternary Science Reviews*, 24, 553-569.
- Stauch G. and Gualtieri L. 2008. Late Quaternary glaciations in northeastern Russia. *Journal of Quaternary Science*, 23(6-7), 545-558.