

DEPARTMENT OF EARTH SCIENCE PUBLICATIONS, REPORTS & PRESENTATIONS 2006

Books

Aarseth, I., Braanaas, T. & **Henriksen, H.**, 2006. Rallarvegen - geologi og landformer: Norges geologiske Undersøkelse. Gråsteinen nr. 11, 110 pp.

Bookchapters

Bakke, J., Dahl, S.O., **Nesje, A.** & Lie, Ø., 2006. Winter precipitation anomalies during the Holocene, observed through reconstructed glacier fluctuations along the west coast of Norway. In: *Global Change in Mountain Regions*: Sapiens Publishing. p. 51-52

Bakke, J., Lie, Ø., **Nesje, A.**, Dahl, S.O., & Paasche, Ø. 2006. Utilizing physical sediment variability in glacier-fed lakes for continuous glacier reconstructions during the Holocene, northern Følgefonna, western Norway. In: *Global Change in Mountain Regions*: Sapiens Publishing. p. 53-54

Ehlers, J.; Astakhov, V.; Gibbard, P.L.; Ingólfsson, O.; **Mangerud, Jan; Svendsen, John-Inge**. Early Quaternary. I: *Encyclopedia of Quaternary Science, Four-Volume Set, 1-4* : Elsevier 2006. ISBN 0-444-51919-X. s. 1031-1032

Ehlers, J.; Astakhov, V.; Gibbard, P.L.; **Mangerud, Jan; Svendsen, John-Inge**. Late Quaternary in lowland Eurasia. I: *Encyclopedia of Quaternary Science, Four-Volume Set, 1-4* : Elsevier 2006. ISBN 0-444-51919-X. s. 1085-1095

Ehlers, J.; Astakhov, V.; Gibbard, P.L.; **Mangerud, Jan; Svendsen, John-Inge**. Mid-Quaternary in Eurasia. I: *Encyclopedia of Quaternary Science, Four-Volume Set, 1-4* : Elsevier 2006. ISBN 0-444-51919-X. s. 1036-1043

Fossen, Haakon; **Pedersen, Rolf-Birger**; Bergh, Steffen; Andersen, Arild. En fjellkjede blir til, Oppbygningen av Kaledonidene; ca. 500-405 Ma. I: *Landet blir til. Norges geologi*. Trondheim: Norsk Geologisk Forening 2006. ISBN 82-92394-31-1. s. 178-229

Larsen, J., **Paasche, Ø.**, Andersen, D.O., Bjune, A.E., & De la Riva Caballero, A. 2006. Sedimentary diatom assemblages in a small alpine west Norwegian lake: evidence for metal release and precipitation? In: *Proceedings of the 18th International Diatom Symposium - Miedzyzdroje, Poland, 2nd-7th September, 2004*: Andrzej Withowski 2006. p. 221-234

Lie, Ø., Bakke, J., Dokken, T.M., Risebrobakken, B. & **Nesje, A.**, 2006. The climate signal in glaciers - evidence for shifting North Atlantic atmospheric circulation. In: *Global Change in Mountain Regions*: Sapiens Publishing. p. 54-55

Lundquist, J.; Ehlers, J.; Gibbard, P.L.; **Mangerud, Jan**. Late Glacial in Northwest Europe. I: *Encyclopedia of Quaternary Science, Four-Volume Set, 1-4* : Elsevier 2006. ISBN 0-444-51919-X. s. 1116-1122

Mangerud, J., 2006. Milankovitch' istidsteori - den astronomiske teori for klimavariasjoner. In: *Teori og Metode i Geografi*. Bergen: Fagbokforlaget. p. 311-328

Nesje, A., 2006. Frontal fluctuations of Briksdalsbreen in western Norway AD 1900-2004: only a response to variations in summer temperature? In: *Global Change in Mountain Regions*: Sapiens Publishing. p. 56-57

Ramberg, Ivar B.; **Jansen, Eystein**; Olesen, Odleiv; Torsvik, Trond H.. Hva vil fremtiden bringe ? Et perspektiv på de neste 50 millioner år. I: *Landet blir til. Norges geologi*. Trondheim: Norsk Geologisk Forening 2006. ISBN 82-92394-31-1. s. 556-585

Sundvor, E., 2006. Plateteorien - de store endringene i jordens overflate. In: *Teori og Metode i Geografi*. Bergen: Fagbokforlaget. p. 279-287

Vorren, T., & **Mangerud, J.** 2006. Istider kommer og går. In: *Landet blir til. Norges geologi*. Trondheim: Norsk Geologisk Forening. p. 478-531

Vorren, T., **Mangerud, J.**, Blikra, L.H.; **Nesje, A.**, & Sveian, H. 2006. Norge av i dag trer fram. In: *Landet blir til. Norges geologi*. Trondheim: Norsk Geologisk Forening 2006. p. 532-555

Aarseth, I. 2006. Strandflaten - Kystslette under bratte fjell. In: *Landet blir til. Norges geologi*. Trondheim: Norsk Geologisk Forening. p. 488-488

Publications

Akinci, A., Malagnini, L., Herrmann, R. B., Gok, R. & **Sørensen, M. B.**, 2006. Ground motion scaling in the Marmara region, Turkey. *Geophysical Journal International*, 166: 635-651

Alaemajolan, B., 2006. An integrated procedure for migration velocity analysis in complex structures of thrust belts. *Journal of Applied Geophysics*, 59(2): 89-105

Alaemajolan, B. & Pajchel, J., 2006. Single Arrival Kirchhoff Prestack Depth Migration of complex faulted folds from the Zagros Mountains, Iran. *CSEG Recorder*, Jan: 41-48

Atakan, K., Sørensen, M.B., and Pulido, N. 2006. Earthquake source complexity in the Marmara Sea and its influence in ground motion simulations. *Proceedings of the 1st International Conference on Earthquake Engineering and Seismology (ECEES-2006)*, Geneva, Switzerland, Sept. 2006. Paper No. 1318. (peer-review)

Banerjee, N., Furnes, H., Muehlenbachs, K., Staudigel, H. & de Wit, M., 2006 Preservation of ~3.4–3.5 Ga microbial biomarkers in pillow lavas and hyaloclastites from the Barberton Greenstone Belt, South Africa. *Earth and Planetary Science Letters*, 241(3-4): 707-722

Birks, H.H., **Larsen, E.** & Birks, H.J.B. 2006: On the presence of late-glacial trees in western Norway and the Scandes: a further comment. *Journal of Biogeography* 33, 376-378.

Bjune, A.E., Bakke, J., **Nesje, A.**, & Birks, H.J.B. 2006. Ekstremnedbør i tidligere tider. *Cicerone*, 1: 29-31

Bondevik, S., **Mangerud, J.**, Birks, H.H., Gulliksen, S. & Reimer, P., 2006. Changes in North Atlantic Radiocarbon Reservoir Ages During the Allerød and Younger Dryas. *Science*, 312(5779): 1514-1517

Breivik, A. J., **Mjelde, R.**, Faleide, J. I. & Murai, Y., 2006. Rates of continental breakup magmatism and seafloor spreading in the Norway Basin-Iceland plume interaction. *Journal of Geophysical Research*, 111

Byrkjedal, Ø., Kvamstø, N.G., **Meland, M. & Jansen, E.**, 2006. Sensitivity of last glacial maximum climate to sea ice conditions in the Nordic Seas. *Climate Dynamics*, 26(5): 473-487

Bøe, A.G., Dahl, S.O., Lie, Ø. & **Nesje, A.**, 2006. Holocene river floods in the upper Glomma catchment, southern Norway: a high-resolution multiproxy record from lacustrine sediments. *The Holocene*, 16(3):445-455

Coffin, M.F., Duncan, R.A., **Eldholm, O.**, Fitton, J.G., Frey, F.A., Larsen, H.C., Mahoney, J.J., Saunders, A.D., Schlich, R. & Wallace, P.J., 2006 Large igneous provinces and scientific ocean drilling - status quo and a look ahead. *Oceanography*, 19(4): 150-160

Corfield, R.M., Searle, M.P., & **Pedersen, R.B.** 2006. Tectonic setting, origin and obduction history of the Spontang ophiolite, Ladakh Himalaya, N.W. India. *Geological Society of America Bulletin*

Dahl, S.O., & **Linge H.C.** 2006. Kald is. Varm is og klima. *Cicerone*, 4: 28-30

Demidov I.N., Houmark-Nielsen, M., Kjær, K.H. & **Larsen, E.** 2006: The Last Scandinavian Ice Sheet in northern Russia: ice flow patterns and decay dynamics. *Boreas* 35, 425-443.

Dræge, A., Jakobsen, M. & Johansen, T.A., 2006. Rock physics modelling of shale diagenesis. *Petroleum Geoscience*, 12(1): 49-57

Dræge, Anders; Johansen, Tor Arne; Breivik, Ivar; Thorsen Dræge, Camilla. A strategy for modelling the diagenetic evolution of seismic properties in sandstones. *Petroleum Geoscience* 2006;12:309-323

Dræge, A., Johansen, T.A., Breivik, I. & Thorsen Dræge, C., 2006. A strategy for modelling the diagenetic evolution of seismic properties in sandstones. *Petroleum Geoscience*, 12: 309-323
Eiriksson, J., Bartels-Jonsdottir, H.B., Cage, A.C., Gudmundsdottir, E.R., Klitgaard-Kristensen, D., Marret, F., Rodrigues, T., Abrantes, F., Austin, W.E.N., Jiang, H., Knudsen, K.-L. and Sejrup, H.P., 2006. Variability of the North Atlantic Current during the last 2000 years based on shelf bottom water and sea surface temperatures along an open ocean/shallow marine transect in western Europe. *The Holocene* 16(7), 1017-1029.

Elderfield, H., Yu, J., Anand, P., Kiefer, T. & **Nyland, B.F.**, 2006. Calibrations for benthic foraminiferal Mg/Ca paleothermometry and the carbonate ion hypothesis. *Earth and Planetary Science letters*, 250, 633-649

Emmel, B., **Jacobs, J.**, Dassiniés, M., Razakamanana, T., 2006. The drainage system along the Ranotsara Shear Zone: an inheritance from early Gondwana break-up tectonics? In: Proceedings of the German-Madagasy Research Cooperation in Life and Earth Sciences (eds. Schwitzer, C., Brandt, S., Ramilijaona, O., Rakotomalala Razanahoera, M., Ackermann, D., Razakamanana, T., Ganzhorn, J. U.), pp. 19-28, Concept Verlag, Berlin.

Emmel, B., Geiger, M., **Jacobs, J.**, 2006. Detrital apatite fission-track ages in Middle Jurassic strata at the rifted margin of W-Madagascar ? indicator for a protracted resedimentation history. *Sedimentary Geology*, 186, 27-38.

Emmel, B., **Jacobs, J.**, Kastowski, M. & Graser, G., 2006. Phanerozoic upper crustal tectono-thermal development of basement rocks from central Madagascar: An integrated fission-track and structural study. *Tectonophysics*, 412: 61-86

Eiriksson, J.; Bartels-Jonsdottir, H.B.; Cage, A.C.; Gudmundsdottir, ER; **Klitgaard-Kristensen, D;** Marret, F; Rodrigues, T; Abrantes, F; Austin, W. E. N.; Jiang, H; et al.. Variability of the North Atlantic Current during the last 2000 years based on shelf bottom water and sea surface temperatures along an open ocean/shallow marine transect in western Europe. *The Holocene* 2006;16(7):1017-1029

Farzadi, Pourdad. Seismic facies analysis based on 3D multi-attribute volume classification, Dariyan Formation, SE Persian Gulf. *Journal of Petroleum Geology* 2006;29(2):159-173

- Farzadi, P.**, 2006. The development of Middle Cretaceous carbonate platforms, Persian Gulf, Iran: constraints from seismic stratigraphy, well and biostratigraphy. *Petroleum Geoscience*, 12(1): 59-68
- Fjellanger, J., Sørbel, L., **Linge, H.**, Brook, E.J., Raisbeck, G.M. and Yiou, F. 2006. Glacial survival of blockfields on the Varanger Peninsula, northern Norway. *Geomorphology* 82, 255-272.
- Fossen, H.**, & Dunlap, W.J. 2006. Age constraints on the late Caledonian (Scandian) deformation in the major Bergen Arc, SW Norway. *Norsk Geologisk Tidsskrift/ Norwegian Journal of geology*. 86(1): 59-70
- Furnes, H.**, Dilek, Y., Muehlenbachs, K. & Banerjee, N.R., 2006. Tectonic control of bioalteration in modern and ancient oceanic crust as evidenced by carbon isotopes. *Island Arc*, 15(1): 143-155
- Furnes, H., Hellevang, B., Hellevang, H. & Robins, B.**, 2006. Evolution of lavas in the Late Ordovician/Early Silurian Solund-Stavfjord Ophiolite Complex, West Norway. *Geochemistry Geophysics Geosystems*, 7: 1-32. doi:10.1029GC001154
- Gac, S.**, Tisseau, C., Dymant, J., & Goslin, J. 2006 Modelling the thermal evolution of slow-spreading ridge segments and their off-axis geophysical signature. *Geophysical Journal International*, 164(2): 341-358
- Ganerød, G.V.**, Rønning, J.S., Dalsegg, E., Elvebakk, H., Holmøy, K., Nilsen, B., & **Braathen, A.** 2006. Comparison of geophysical methods for sub-surface mapping of faults and fracture zones in a section of the Viggja road tunnel, Norway. *Bulletin of Engineering Geology and the Environment*, 65(3): 231-243
- Gargani J., Geoffroy L., **Gac S.** and Cravoisier-Auge S., 2006. Coulomb stress variations around a pressured magma: consequences on seismicity, Fault growth and magma intrusion. *Terra nova*, 18, 403-411
- Glimsdal, S., Pedersen, G.K., **Atakan, K.**, Harbitz, C. B., Langtangen, H. P. & Løvholt, F., 2006. Propagation of the Dec. 26, 2004, Indian Ocean Tsunami: Effects of Dispersion and Source Characteristics. *International Journal of Fluid Mechanics Research*, 33(1): 15-43
- Gyllencreutz, R.** & Kissel, C. 2006. Lateglacial and Holocene sediment sources and transport patterns in the Skagerrak interpreted from high-resolution magnetic properties and grain size data. *Quaternary Science Reviews*, 25(11-12): 1247-1263
- Hebbeln, D., Knudsen, K.-L., **Gyllencreutz, R.**, Kristensen, P., Klitgaard-Kristensen, D., Backman, J., Scheurle, C., Jiang, H., Gil, I., Smelror, M., Jones, P.D. and **Sejrup, H.P.**, 2006. Late Holocene coastal hydrographic and climate changes in the eastern North Sea. *The Holocene* 16 (7), 987-1001
- Henriksen, Helge; Braathen, Alvar.** 2006. Effects of fracture lineaments and in-situ rock stresses on groundwater flow in hard rocks: a case study from Sunnfjord, western Norway. *Hydrogeology Journal*, 14(4): 444-461
- Hooft, E.E.E., Brandsdóttir, B., **Mjelde, R.**, Shimamura, H. & Murai, Y. 2006. Asymmetric plume-ridge interaction around Iceland: The Kolbeinsey Ridge Iceland Seismic Experiment. *Geochemistry Geophysics Geosystems*, 7
- Janousek, V. & **Kosler, J.**, 2006. Preface - Special issue: International workshop on petrogenesis of granulites and related rocks, Namest' nad Oslavou, Czech Republic, October 1-3, 2004. *Mineralogy and Petrology*, 86(3-4): 157-160
- Jansen, Eystein.** 2006. En ny klimasituasjon i vente. *Gemini*, 2

- Jensen, M., **Larsen, E.**, Demidov, I., Funder, S. & 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.
- Justwan, H., Dahl, B.** & Isaksen, G.H., 2006. Geochemical characterisation and genetic origin of oils and condensates in the South Viking Graben, Norway. *Marine and Petroleum Geology*, 23(2): 213-239
- Justwan, H.**, Meisingset, I., **Dahl, B.** & Isaksen, G.H., 2006. Geothermal history and petroleum generation in the Norwegian South Viking Graben revealed by pseudo-3D basin modeling. *Geology*, 23: 791-819
- Kjær, K.H., **Larsen, E.**, Demidov, I. & Funder, S. (eds.) 2006: Late Quaternary in northwestern Russia. *Boreas* 35, 391-599.
- Kjær, K.H., **Larsen, E.**, Funder, S., Demidov, I., Jensen, M., Håkansson, L. & Murray, A. 2006: Eurasian ice-sheet interaction in Northern Russia throughout the late Quaternary. *Boreas* 35, 444-475.
- Kjær, K.H., **Larsen, E.**, van der Meer, J., Ingólfsson, Ó., Krüger, J., Benediktsson, Í. Ö., Knudsen, C.G. & Schomacker, A. 2006: Subglacial decoupling at the sediment/bedrock interface: a new mechanism for rapid flowing ice. *Quaternary Science Review* 25s, 2704-2712.
- Knudsen, C.G., Larsen, E., Sejrup, H.P.** & Stalsberg, K. 2006: Hummocky moraine landscape on Jæren, SW Norway – implications for glacier dynamics during the last deglaciation. *Geomorphology* 77, 153-168.
- Kosler, J., Pedersen, R.B., Kruber, C.** & Sylvester, P.J., 2006. Comment on "Analysis of Fe isotopes in sulfides and iron meteorites by laser ablation high-mass resolution multi-collector-ICP mass spectrometry" - Reply. *Journal of Analytical Atomic Spectrometry*, 21(2): 214-216
- Kristoffersen, Y.**, Lien, E., Festervoll, K., Ree, S., Åardahl, K. & Hosøy, Ø., 2006. The hydrostatic corer Selcore- a tool for sediment sampling and geophysical site characterization. *Marine Geology*, 229(1-2): 101-112
- Kristoffersen, Y.**, & Mikkelsen, N. 2006. On sediment deposition and nature of the plate boundary at the junction between the submarine Lomonosov Ridge, Arctic Ocean and the continental margin of Arctic Canada/North Greenland. *Marine Geology*, 225(1-4): 265-278
- Lambeck, K., Purcell, A., Funder, S., Kjær, K.H., **Larsen, E.** & Möller, P. 2006: Constraints on the Late Saalian to early Middle Weichselian ice sheet of Eurasia from field data and rebound modeling. *Boreas* 35, 539-575.
- Larsen, E.**, Kjær, K.H., Demidov, I., Funder, S., Grøsfjeld, K., Houmark-Nielsen, M., Jensen, M., **Linge, H.** & Lyså, A. 2006: Late Pleistocene glacial and lake history of northwestern Russia. *Boreas* 35, 394-424.
- Larsen, E.**, Kjaer, K.H., Jensen, M., Demidov, I., Håkansson, L., & Paus, Aa. 2006. Early Weichselian palaeoenvironments reconstructed from a mega-scale thrust-fault complex, Kanin Peninsula, northwestern Russia.. *Boreas*, 35: 476-492
- Lauritzen, S.E.**, 2006. Caves and speleogenesis at Blomstrandøya, Kongsfjord, W. Spitsbergen. *International Journal of Speleology* (35): 37-58
- Lekens, W.A.H., Sejrup, H.P., Hafliðason, H.**, Knies, J., & Richter, T., 2006. Meltwater and ice rafting in the southern Norwegian Sea between 20 and 40 calendar kyr B.P.: Implications for Fennoscandian Heinrich events. *Paleoceanography*, 21(3)
- Lever, M.A., Alperin, M., Engelen, B., Inagaki, F., Nakagawa, S., **Steinsbu, B.O.** & Teske, A., 2006. **IODP Expedition 301 Scientists.** Trends in basalt and sediment core contamination during IODP expedition 301. *Geomicrobiology Journal*, 23: 517-530

Linge, HC., Brook, E.J., **Nesje, A.,** Raisbeck, G.M., Yiou, F., Clark, H., 2006. In situ Be-10 exposure ages from southeastern Norway: implications for the geometry of the Weichselian Scandinavian ice sheet. *Quaternary Science Reviews*, 25: 1097-1109

Linge, HC., Larsen, E., Kjær, K.H., Demidov, I., Brook, E.J., Raisbeck, G.M. & Yiou, F. 2006: Cosmogenic ¹⁰Be exposure dating across Early to Late Weichselian ice-marginal zones in northern Russia. *Boreas* 35, 576-586.

Lynch-Stieglitz, J., Curry, W.B., Oppo, D.W., **Ninnemann, U.S.,** Charles, C.D. & Munson, J., 2006. Meridional overturning circulation in the South Atlantic at the last glacial maximum. *Geochemistry Geophysics Geosystems*, 7

Mangerud, J., Bondevik, S., Gulliksen, S., Hufthammer, A.K., & Høisæter, T. 2006. Marine 14C reservoir ages for 19th century whales and molluscs from the North Atlantic. *Quaternary Science Reviews*, 25, 3228-3245

Mason, P.R.D., **Kosler, J.,** de Hoog, J.C.M., Sylvester, P.J. & Meffan-Main, S., 2006. In situ determination of sulfur isotopes in sulfur-rich materials by laser ablation multiple-collector inductively coupled plasma mass spectrometry (LA-MC-ICP-MS). *Journal of Analytical Atomic Spectrometry*, 21(2): 177-186

Mason, Paul; Kosler, Jan; Hirata, Tak. 9th European laser ablation workshop, ETH Zurich, 19th-21st July 2006. *Journal of Analytical Atomic Spectrometry* 2006;21:1472-1472

Meland, M., Jansen, E., Elderfield, H., Dokken, T.M., Olsen, A., Bellerby, R., 2006. Mg/Ca ratios in the planktonic foraminifer *Neogloboquadrina pachyderma* (sinistral) in the northern North Atlantic/Nordic Seas. *Geochemistry Geophysics Geosystems*, 7

Moran, K., Backman, J., Brinkhuis, H., Clemens, S.C., Cronin, T., Dickens, G.R., Eynaud, F., Gattacceca, J., Jakobsson, M., Jordan, R.W., Kaminski, M., King, J., Koc, N., Krylov, A., Martinez, N., Matthiessen, J., McInroy, D., Moore, T.C., Onodera, J., O'Regan, M., Paelike, H., Rea, B., Rio, D., Sakamoto, T., Smith, D.C., Stein, R., St John, K., Suto, I., Suzuki, N., Takahashi, K., Watanabe, M., Yamamoto, M., Farrell, J., Frank, M., Kubik, P., Jokat, W., & **Kristoffersen, Y.** 2006. The Cenozoic palaeoenvironment of the Arctic Ocean. *Nature* 2006, 441: 601-605

Moros, M., Andrews, J. T., Eberl, DD, & **Jansen, E.** 2006. Holocene history of drift ice in the northern North Atlantic: Evidence for different spatial and temporal modes. *Paleoceanography*, 21

Murakami, M., **Kosler, J.,** Takagi, H. & Tagami, T., 2006 Dating pseudotachylyte of the Asuke Shear Zone using zircon fission-track and U-Pb methods. *Tectonophysics*, 424: 94-107

Mæland, E., 2006. On seismic imaging and structural stability. *Journal of Seismic Exploration*, 14(4): 295-301

Nakagawa, S., Inagaki, F., Suzuki, Y., **Steinsbu, B.O.,** Lever, M.A., Takai, K., Engelen, B., Sako, Y., Wheat, C.G., Horikoshi, K. & IODP Expedition 301 Scientists. 2006. Microbial community in back rust exposed to hot ridge flank crustal fluids. *Applied and Environmental Microbiology*, 72(10): 6789-6799

Nesje, Atle. 2006. Isbreene smelter - havnivået stiger. *Cicerone*, 3: 14-16

Nesje, Atle. 2006. Iskjerner avslører klimahemmeligheter. *Cicerone*, 5: 19-21

Nesje, A., Bakke, J., Lie, Ø., & Dahl, S.O. 2006. Dramatisk for norske isbreer i framtiden. *Cicerone*, 1:22-24

Nesje, A., Bjune, A. E., Bakke, J., Dahl, S.O., Lie, Ø. & Birks, H.J.B., 2006. Holocene palaeoclimate

reconstructions at Vanndalsvatnet, western Norway, with particular reference to the 8200 ca. yr BP event. *The Holocene*, 16(5): 717-729

Nyland, B.F., Jansen, E., Elderfield, H. & Andersson, C., 2006. Neogloboquadrina pachyderma (dex. and sin.) Mg/Ca and $\delta^{18}\text{O}$ records from the Norwegian Sea. *Geochemistry Geophysics Geosystems*, 7

Olsen, A., Omar, A., Bellerby, R., Johannessen, T., **Ninnemann, U.S.,** Brown, K., Olsson, A., Olafsson, J., Nondal, G., Kivimäe, C., Kringstad, S.B., Neill, C.C. & Olafsdottir, S., 2006. Magnitude and origin of the anthropogenic CO₂ increase and ¹³C Suess effect in the Nordic seas since 1981. *Global Biogeochemical Cycles*, 20

Osmundsen, P.T., Eide, E., Haabesland, N.E, Roberts, D., Andersen, T.B., Kendrick, M., Bingen, B., **Braathen, A.,** & Redfield, T.F., 2006: Kinematics of the Høybakken detachment zone and the Møre-Trøndelag fault complex, Central Norway. *Journal of the Geological Society, London* 163, 303-318.

Paasche, Ø., Strømsøe, J.R., Dahl, S.O. and **Linge, H.** 2006. Weathering characteristics of arctic islands in northern Norway. *Geomorphology* 82, 430-452

Paus, Aa., Velle, G., Larsen, J., **Nesje, A.,** & Lie, Ø. 2006. Lateglacial nunataks in central Scandinavia: Biostratigraphical evidence for ice thickness from Lake Flafattjonn, Tynset, Norway. *Quaternary Science Reviews*, 25(11-12): 1228-1246

Pytte, A.G.B., Dahl, S.O., Lie, Ø., & **Nesje, A.** 2006. Holocene river floods in the upper Glomma catchment, southern Norway: a high-resolution multiproxy record from lacustrine sediments. *The Holocene*, 16(3): 445-455

Raum, T.J., Mjelde, R., Shimamura, H., Murai, Y., Bråstein, E., Karpuz, Ridvan M.; Kravik, K., Kolstø, H.J. 2006. Crustal structure and evolution of the southern Vøring basin and Vøring transform margin, NE Atlantic. *Tectonophysics*, 415(1-4): 167-202

Risebrobakken, B., Balbon, E., Dokken, T.M., **Jansen, E.,** Kissel, C., Labeyrie, L., Richter, T., **Senneset, L.** 2006. The penultimate deglaciation: High-resolution paleoceanographic evidence from a north-south transect along the eastern Nordic Seas. *Earth and Planetary Science Letters*, 241(3-4): 505-516

Risebrobakken, B., Dokken, T.M., Otterå, O.H., **Jansen, E.,** Gao, Y., & Drange, H. 2006. Inception of the Northern European ice sheet due to contrasting ocean and insolation forcing. *Quaternary Research*, 67, 128-135

Rouzo, Stephane; Klingelhoefer, Frauke; Jonquet-Kolstø, Helene; Karpuz, Ridvan M.; Kravik, Karl; **Mjelde, Rolf;** Murai, Yoshio; **Raum, Thomas Johan;** Shimamura, Hideki; Williamson, Paul; et al. 2-D and 3-D modelling of wide-angle seismic data: an example from the Voring volcanic passive margin. *Marine Geophysical Researches* 2006;27(3):181-199

Røe, S.L., & Hermansen, M. 2006. New aspects of deformed cross-strata in fluvial sandstones: Examples from Neoproterozoic formations in northern Norway. *Sedimentary Geology*, 186: 283-293

Scourse, J., Sejrup, H.P., Jones, P.D. and HOLSMEER project participants, 2006. Editorial: Late Holocene oceanographic and climate change from the western European margin: the results of the HOLSMEER project. *The Holocene* 16(7), 931-935.

Shanahan, T.M., Overpeck, J.T., Wheeler, C.W., Beck, J.W., Pigati, J.S., **Talbot, M.R.,** Scholz, C.A., Peck, J., & King, J.W. 2006. Paleoclimatic variations in West Africa from a record of late Pleistocene and Holocene lake level stands of Lake Bosumtwi, Ghana. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 242: 287-302

Simonetti, A., Heaman, L.M., Chacko, T., & **Banerjee, N.** 2006. In situ petrographic thin section U-Pb

dating of zircon, monazite, and titanite using laser ablation-MC-ICP-MS. *International Journal of Mass Spectrometry*, 253(1-2): 87-97

Soesoo, A., **Kosler, J.** & Kuldkepp, R. 2006. Age and geochemical constraints for partial melting of granulites in Estonia. *Mineralogy and Petrology*, 86(3-4): 277-300

Staudigel, H., **Furnes, H., Banerjee, N.R.,** Dilek, Y. & Muehlenbachs, K., 2006. Microbes and volcanoes: A tale from the oceans, ophiolites, and greenstone belts. *GSA Today*, 16(10): 4-10. doi: 10.1130/GSAT01610A.1

Sørensen, M. B., Oprsal, I., Bonnefoy-Claudet, S., **Atakan, K.,** Mai, P. M., Pulido, N. & Yalciner, C., 2006. Local site effects in Ataköy, Istanbul, Turkey, due to a future large earthquake in the Marmara Sea. *Geophysical Journal International*, 167: 1413-1424. doi: 10.1111/j.1365-246X.2006.03204.x

Talbot, M.R., Jensen, N.B., Lærdal, T. & Filippi, M.L. 2006. Geochemical responses to a major transgression in giant African Lakes. *Journal of Paleolimnology*, 35(3): 467-489

Thomas, P.J., Murray, A.S., Kjær, K.H., Funder, S., & **Larsen, E.** 2006: Optically Stimulated Luminescence (OSL) dating of glacial sediments from Arctic Russia – depositional bleaching and methodological aspects. *Boreas* 35, 587-599.

Thrana, C. & Talbot, M.R., 2006. High-frequency carbonate-siliciclastic cycles in the Miocene of the Lorca Basin (Western Mediterranean, SE Spain). *Geologica Acta*, 4(3): 343-354

Venvik, R.G., Holmøy, K., Rønning, J.S., Nordgulen, Ø., Dalsegg, E., Elvebakk, H., Nilsen, B. & **Braathen, A.,** 2006: Feasibility of geophysical methods for subsurface mapping of faults and fracture zones in bedrock - a discussion based on investigations for the Viggja road tunnel, Norway. *Bulletin of Engineering Geology and the Environment*, DOI 10.1007/s10064-006-0041-6, 13 pp.

Wacey, D., **McLoughlin, N.,** Green, O.R., Parnell, J., Stoakes, C.A. & Brasier, M.D., 2006. The ~ 3.4 billion-year-old Strelley Pool Sandstone: a new window into early life on Earth. *International Journal of Astrobiology*, 6:1-10

Walderhaug, O., Bjørkum, P.A., & Aase, .N.E. 2006. Kaolin-coating of stylolites, effect on quartz cementation and general implications for dissolution at mineral surfaces, *Journal of Sedimentary Research*. 76, p. 234-243.

Wang, X., Yang, Z., **Løvlie, R.,** Sun, Z. & Pei, J., 2006. A magnetostratigraphic reassessment of correlation between Chinese loess and marine oxygen isotope records over the last 1.1 Ma. *Physics of the Earth and Planetary Interiors*, 159: 109-117

Williams, M., **Talbot, M.R.,** Aharon, Paul, Salaam, Y.A., Williams, F., & Brendeland, K.I., 2006. Abrupt return of the summer monsoon 15,000 years ago: new supporting evidence from the lower White Nile valley and Lake Albert. *Quaternary Science Reviews*, 25(19-20): 2651-2665

Østbye, E., **Lauritzen, S.E.,** Moe, D. & Østbye, K. 2006. Vertebrate remains in Holocene limestone cave sediments: faunal succession in the Sirijorda Cave, northern Norway. *Boreas*, 35(1): 142-158

Østbye, E., **Lauritzen, S.E.,** Østbye, K., & Wiig, Ø. 2006. Holocene brown bear (*Ursus arctos* L.) from Norwegian caves. *Boreas*, 35(2): 296-316

Østbye, Eivind; Lauritzen, Stein-Erik; Moe, Dagfinn; Østbye, Kjartan. Vertebrate remains in Holocene limestone cave sediments: faunal succession in the Sirijorda Cave, northern Norway. *Boreas* 2006;35:142-158

Compendia/Reports

Atakan, K., and Sørensen, M.B. 2006. Seismotectonics of the Sumatra-Andaman subduction zone: An analysis of the tsunamigenic earthquake potential for the coastal areas of Thailand. Project Report for the Project "Tsunami Risk Reduction Measures With focus on Land Use and Rehabilitation: Case studies carried out for Thailand, conceptual results applicable to all tsunami affected areas around the Indian Ocean and the Andaman Sea", Department of Earth Science, University of Bergen, Norway, 39p.

Atakan, K., and Sørensen, M.B. 2006. Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project Annual Report (Third Year), Dept.of Earth Science, University of Bergen, Norway, 89p.

Atakan, K., Sørensen, M.B., Mai, P.M., and Hillers, G. 2006. Maps of Seismic Hazard Scenarios. Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project Deliverable No.25, Dept.of Earth Science, University of Bergen, Norway, 26p.

Sørensen, M.B., and Atakan, K. 2006. Hazard Analysis and Uncertainties of Data. Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project Deliverable No.26, Dept.of Earth Science, University of Bergen, Norway, 63p.

Atakan, K., and Sørensen, M.B. 2006. Potential of Vulnerability and Seismic Risk. Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project Deliverable No.27, Dept.of Earth Science, University of Bergen, Norway, 35p.

Atakan, K., and Sørensen, M.B. 2006. Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project Deliverable No.28 (Third Year), Dept.of Earth Science, University of Bergen, Norway, 5p.

Atakan, K., and Sørensen, M.B. 2006. Final Report (Partner 6 – UiB). Large earthquake faulting and implications for the seismic hazard assessment in Europe. RELIEF Project, Dept.of Earth Science, University of Bergen, Norway, 23p.

Austegard, A., Geof 295 Seismiske data 2. Part 1 Interpretation of wide-angle seismic data. Dep.Earth Science, UiB, Feb. 2006, 72pp.

Haflidason, H., Monsen, S. & Nygård, A. 2006. Marine geological cruise report from Byfjorden, Bergen: Calypso corer test. Report No. 100-06/01. Bergen, Norway: University of Bergen, Department of Earth Science. 6 s.

Haflidason, H., Hjelstuen, B.O.B., Aarseth, I. , Monsen, S., Chand, S., Zuehlsdorff, C., Nøkling, T.B., Sverre, K.K., Førde, A.E., Macakova, J., Kjennbakken, H., Miljeteig, N., Årthun, T., Bøe, H. & Abdullah, A.A., 2006. Marine Geological Cruise Report from Ranafjorden, Voldafjorden, Sognefjorden, Norwegian Channel, Byfjorden and South Hordaland fjords. R/V "G.O.Sars" 16-26.11.06: Department of Earth Science, University of Bergen. 53 s.

Johnsen, H., Mjelde, R. 2006. Cruise report: Barentshavet, 1-7 September, 2006. IFG, UoB report. 45 pp.

Johnsen, H., Mjelde, R. 2006. Cruise report: Bjørnøya, 8-12 September, 2006. IFG, UoB report. 39 pp.

Johnsen, H., Mjelde, R. 2006. Cruise report: Smøla, 23-26 October, 2006. IFG, UoB report. 37 pp.

Maaløe, S. 2006. Polarized Light Microscopy. Basic Principles: Universitetet i Bergen. 98 s

Maaløe, S. 2006. Polarized light Microscopy. The Condenser: Universitetet i Bergen. 26 s.

Mason P, **Kosler J**, Hirata T: 9th European laser ablation workshop, ETH Zurich, 19th-21st July 2006
Journal of analytical atomic spectrometry 21 (12): 1472-1472 2006

Mjelde, R., Kandilarov, A. 2006. Acquisition of OBS-data along the northern Jan Mayen Ridge, June 2006. IFG, UoB report. 60 pp.

Mjelde, R. 2006. Cruise report: SVALEX 2006: MCS survey, shelf area Isfjorden/Van Mijenfjorden and inner Isfjorden, 24 August - 1 September, 2006. IFG, UoB report. 65 pp.

Nygård, A., Hjelstuen, B.O.B., Monsen, S., Brendryen, J., Mardal, I., Clark, C., Huges, A., & Levine, R., 2006. Marine Geological Cruise Report North Sea/Fladen area. R/V G.O.Sars 26.11-2.12.06: Universitetet i Bergen, Department of Earth Science. 29 s.

Conference presentations

Andreassen, K, Mienert, J., Buenz, S., **Hafliðason, H. & Hjelstuen, B.** IODP Drilling Proposal 557-Storegga slide gas hydrate drilling. Magellan Workshop series: Scientific ocean drilling behind the assessment of geo-hazard from submarine slides, 25-27.10.2006.

Atakan, K. Effects of earthquake source complexity in estimating seismic hazard: a case study for Istanbul. Seminaris de la facultat de geologia i l'institut de ciencias de la terra 'jaume almera', 19.09.2006.

Atakan, K. (invited) 2006. Jordskjelvsrisiko i Istanbul: Utfordringer i en by med 12 millioner mennesker. Seminar on "Jordskjelv som naturfenomen of samfunnsrisiko", Norsar, Kjeller, 1 March 2006.

Atakan., 2006. Need for an earthquake hazard analysis? Workshop on Åknes/Tafjord rockslides, Geological Survey of Norway (NGU) Trondheim, Norway, 20 Feb. 2006.

Atakan, K., Akyüz, S., Zabcı, C., Demircioğlu, M.B., Durukal, E., Erdik, M. Seismic sources along the North Anatolian Fault for seismic hazard assessment. European Geosciences Union General Assembly, 2-7.04.2006. Geophysical Research Abstracts, vol.8, 10043.

Atakan, K., Sørensen, M.B. & Pulido, N., Earthquake source complexity in the Marmara Sea and its influence on ground motion simulations [Paper No1318]. First European Conference on Earthquake Engineering and Seismology, Geneva, 3-8.9.2006

Atakan, K, Sørensen, M.B. & Pulido, N. Implications of fault behavior in the Marmara Sea on ground motion simulations and seismic hazard assessment. European Geosciences Union General Assembly, 2-7.04.2006. Geophysical Research Abstracts, vol.8, 08148.

Austegard, A. Kinematic basin modelling using inverse approaches. University of Bergen, September 2006.

Avseth, P.A, Wijngaarden, A.J., **Johansen, T.A.** & Mavko, G.. Seismic fluid prediction in heterogeneous reservoirs . 68th EAGE Conference, 12-15.06.2006.

Banerjee, N., Furnes, H., Simonnetti, A., Muehlenbachs, K., Staudigel, H., de Wit, M. & Van Kranendonk, M. Ancient microbial alteration of oceanic crust on two archean cratons and the search for extraterrestrial life. The 37th Lunar and Planetary Science Conference, 13-17.03.2006.

Banerjee, N., Furnes, H., Simonnetti, A., Muehlenbachs, K., Staudigel, H., De Wit, M. & Van Kranendonk, M. Microbial alteration of oceanic crust and the search for extraterrestrial life. Joint Annual Meeting of the Geological Association of Canada and the Mineralogical Association of Canada, 14-17.05.2006.

Banerjee, N., Furnes, H., Simonnetti, A., Muehlenbachs, K., Staudigel, H., De Wit, M. & Van Kranendonk, M. Prospecting for evidence of Extremophiles in Ancient Oceanic Basalts. Astrobiological Science conference 26-30.03.2006.

Banerjee, N., Simonnetti, A., **Furnes, H.,** Staudigel, H., Muehlenbachs, K. & Van Kranendonk, M. Direct dating of Archean microfossils preserved in pillow basalts from the Pilbara Craton . Goldschmidt 2006 meeting, 27.08-1.09.2006.

Bingen, B., Viola G., Henderson I.H.C., Smethurst M., Boyd R., Thomas R.J., Bjerkgård T., Feito P., Hollick L.M., **Jacobs J.,** Key R.M., Rossi D., Sandstad J.S., Skår Ø., Solli A., Tveten, E., 2006. Geochronology of Pan-African terrain assembly in the NE Mozambique. *21st Colloquium of African Geology*, Maputo, Mozambique. Abstracts, p. 12-14.

Bingen, B., Boyd, R., Thomas, R.J., Bjerkgård, T., Feito, P., Henderson, I.H.C., Hollick, L.M., **Jacobs, J.,** Jamal, D., Key, R.M., Lutro, O., Melezhik, V.H., Nordgulen, Ø., Rossi, D., Sandstad, J.S., Skår, Ø., Smethurst, M., Smith, R.A., Solli, A., Tveten, E., Viola, G., 2006. Crustal architecture in Northern Mozambique: results from a regional bedrock mapping project. *EGU General Assembly*, Vienna, p. 320

BJORDAL, KALLEKLEIV, H & KAROLIUSSEN, K., Lithology and geometry of the Upper Jurassic Sognefjord Formation (Troll West Gas province, Northern North Sea) and relation to seismic properties, The 27th Nordic Geological Winter Meeting, Oulu, Finland 9-12 Januar 2006.

Boulaenko, M., Davies, R., **Hesthammer, J.** and Howell, J.A. 2006: "An Integrated Approach to 3D Seismic and Electromagnetic Interpretation for Reducing Risks in Hydrocarbon Exploration." AAPG conference, Abstract and oral presentation, Houston, April 2006.

Braathen, A., Tveranger, J., **Fossen, H.,** Skar, T., Cardozo, N., Semshaug, S.L., Bastesen, E. & Sverdrup, E., Fault Facies – old geological concepts into new methods. CIPR Petroleum Technology Seminar, 9-10.05.2006.

Brandsdottir, B., Hooft, E.E.E., **Mjelde, R.,** Shimamura, H., Murai, Y., Barclay, A., Breivik, A., Takanami, T. Evolution of a divergent plate boundary; from the active Kolbeinsey ridge, N-Iceland to the extinct Aegir ridge, Norwegian sea, AGU, San Francisco, 11-15/12, 2006.

Brasier, M.D., **McLoughlin, N.** & Wacey, D., Critially testing the earliest signs of life. Geological Society of America Ann. Meeting, 22-25.10.2006.

Breivik, A.J., Mjelde, R. and Faleide, J.I. Magma-starved accretion in the Norway Basin caused by the Iceland hotspot. EGU, Vienna, 2-7/4, 2006.

Breivik, A.J. and Mjelde, R. Seismic evidence for the Barents Sea-Svalbard Calodonides. Seminar, Univ. of Uppsala, 10/3, 2006.

Breivik, A.J., Mjelde, R. and Faleide, J.I. COT at the northern Vøring Margin, Norway, Euromargins 2003 OBS experiment. EGU, Vienna, 2-7/4, 2006.

Breivik, A.J., Mjelde, R. and Faleide, J.I. Continental breakup magmatism at the mid-Norwegian margin. Euromargins conference, Bologna, 2-7/10, 2006.

Breivik, A.J., Faleide, J.I., Mjelde, R. and Tsikalas, F. Continental breakup and magmatic development of the mid-Norwegian margin, Euromargins 2003 OBS experiment. AGU, San Francisco, 11-15/12, 2006.

Brown, L., Austin, W., Telford, R., **Ninnemann, U.,** Wilson, L. & C. Bryant, North Atlantic surface ocean radiocarbon reservoir age variation: links to rapid global climate change, European Geosciences Union General Assembly, 2-7.04.2006.

Buckley, S., Howell, J.A., **Enge, H.D., Leren, B.L.S. & Kurz, T.H.**, 2006. Integration of terrestrial laser scanning, digital photogrammetry and geostatistical methods for high-resolution modelling of geological outcrops. In: International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 36 (B5).

Cohen, P.A., Bradley, A.S., Knoll, A.H., Abelson, J., Grotzinger, J., Hand, K., Jensen, S., Love, G. & **McLoughlin, Nicola**. Tubular Macrofossils from the Edicara Nama Group, Namibia. Geological Society of America Ann. Meeting, 22-25.10.2006.

Currie, C.A., **Huismans R.S.**, Beaumont, C., The origin of thin lithosphere in continental backarcs: Effect of hydration on mantle lithosphere stability, AGU Fall meeting 2006.

Daszinnies, M.C., Emmel, B., **Jacobs, J.**, Grantham, G., Wartho, J.A., 2006. Karoo age rift flank uplift and its implication for Gondwana rifting: constraints from $^{40}\text{Ar}/^{39}\text{Ar}$ hornblende, biotite and titanite fission track analyses in northern Mozambique. European Conference on Thermochronology, Bremen 2006, p. 26-28.

Dræge, A. & Johansen, T.A., Impact of diagenesis on seismic properties of siliciclastic rocks. CIPR Petroleum Technology Seminar, 9-10.05.2006.

Durukal, E., Gunduz, A.S., Sanli, B., **Sørensen, M.B.**, Richwalski, S., Sesetyan, K., **Atakan, K.**, Madariaga, R. & Wang, R. A "benchmarking" exercise on the performance of kinematic ground motion simulation codes. European Geosciences Union General Assembly, Vienna, 2-7.04.2006.

Emmel, B., **Jacobs, J.**, Daszinnies, M.C., Crowhurst, P., 2006. Combined apatite fission-track and single grain apatite (U-Th)/He ages from basement rocks – a method to identify thermal overprinted crustal segments in Dronning Maud Land (East Antarctica). European Conference on Thermochronology, Bremen 2006, p. 40.

Enge, H.D., Leren, B.L.S., Buckley, S.J., Howell, J.A. & Martinius, A.W., Hierarchical Outcrop Reservoir Modelling of a Shallow Marine Deltaic Complex from the Eocene Roda Sandstone, Spain. AAPG Annual Convention, 2-7.04.2006.

Enge, H.D., Leren, B.L.S., Buckley, S., Howell, J.A. & Martinius, A.W., Laser scanner as a tool in sedimentological mapping - a case study of the 3D sandbody architecture of the shallow marine Roda Sandstone, N-Spain. 17th International Sedimentological Congress, 28.08-1.09.2006.

Enge, H.D., Leren, B.L.S., Howell, J.A., **Buckley, S.** & Martinius, A.W. (2006). Laser Scanner as a Tool in Sedimentological Mapping – A Case Study of the 3D Sandbody Architecture of the Shallow Marine Roda Sandstone, N-Spain. In: The Geological Society of America, Unlocking 3D Earth Systems – Harnessing New Digital Technologies to Revolutionize Multi-Scale Geologic Models, Abstract Book, Durham University, UK, 16.-22.09. 2006

Enge, H.D., Leren, B.L.S., Howell, J.A., **Buckley, S.** & Martinius, A.W. (2006). Laser Scanner as a Tool in Sedimentological Mapping. In: British Sedimentological Research Group Annual Meeting, Programme & Abstracts, University of Aberdeen, UK, 17.-19.12. 2006, p. 41.

Engen, ط., Gjengedal, J., **Eldholm, O.**, and **Kristoffersen, Y.** 2006. Seismic data acquisition in the Nansen Basin, Arctic Ocean. In: Scott, R.A. and Thurston, D.K. (eds), Proceedings of the Fourth International Conference on Arctic Margins: Dartmouth, Nova Scotia, September 30-October 3, 2003: OCSstudy MMS 2006-003, U.S. Department of Interior, Anchorage, Alaska, USA, p. 136-140.

Furnes, H., Volcanic and Magmatic Evolution of a Caledonian Ophiolite, W. Norway. An example for ophiolite research elsewhere. The 7th International Conference on Geochemistry, GEOCHEM7, 6-7.09.2006.

Furnes, H., Banerjee, N., Staudigel, H., Muehlenbachs, K., Simonnetti, A., De Wit, M. & Van Kranendonk, M.. Bioalteration textures in ancient submarine lavas: A petrographic signature of early life on Earth. European Geosciences Union General Assembly, 2-7.04.2006.

Furnes, H., Banerjee, N.R., Staudigel, H., Muehlenbachs, K., de Wit, M. & Dilek, Y. Oceanic pillow lava as a habitat for microbial life through time invited. Geological Society of America: Philadelphia Annual Meeting, 22-25.10.2006.

Furnes, H., Banerjee, N., Staudigel, H., Muehlenbachs, K., De Wit, M. & Van Kranendonk, M., Earth's oldest microbial biomarkers in pillow lavas: a new geological setting in the search for early life . European Geosciences Union General Assembly, 02.04.2006 - 07.09.2006

Fredman, U.N., Tveranger, J., **Semshaug, S.L. & Braathen, A.** Impact of Fault Facies modeling on reservoir fluid flow – a synthetic sensitivity study. CIPR Petroleum Technology Seminar, 9-10.05.2006.

Fredman, N., Tveranger, J., **Semshaug, S., Braathen, A., & Sverdrup, E.,** 2006. Fault impact on reservoir performance - a synthetic case study of host-rock sand lenses in fault cores. AAPG Annual Conference, Huston, June.

Gabrielsen, R.H., Faleide, J.I., Pascal, C., Olesen, O., & **Braathen, A.,** 2006. Basin inversion and uplift along the northeastern Atlantic margin - extinct and Present stress fields. Quebec.

Gac S., Austegard A. and Huismans R. Differences between kinematic and dynamic models of extensional lithosphere, Statoil Workshop, Stavanger, June 2006.

Gac S., Austegard A. and Huismans R.S. Dynamic modeling of crustal extension, University of Bergen, September 2006.

Gac S. and Geoffroy L. 3D thermo-mechanical modeling of a stretched continental lithosphere containing "soft points", University of Bergen, March 2006.

Gac S., Huismans R. S. and Austegard A. Dynamic models of lithosphere extension using extension, University of Bochum (Germany), October 2006.

Glebovsky, V.Yu., Likhachev, A.A., **Kristoffersen, Y.,** Engen, T., Faleide, J.I., and Brekke, H., 2006. Sediment thickness estimations from magnetic data in the Nansen Basin. In: Scott, R.A. and Thurston, D.K. (eds), Proceedings of the Fourth International Conference on Arctic Margins: Dartmouth, Nova Scotia, September 30-October 3, 2003: OCS study MMS 2006-003, U.S. Department of Interior, Anchorage, Alaska, USA, p. 157-164.

Grotzinger, J., Tice, M., Metz, J., Abelson, J., Hand, K., Jensen, S., Knoll, A., **McLoughlin, N.,** Shepard, B. & Wilson, J.. Incised Valleys, Treptichnus Pedum, and the Precambrian-Cambrian boundary in Namibia. Geological Society of America Annual Meeting, 22-25.10.2006.

Gyllencreutz, R., Mangerud, J., Svendsen, J.I. & Lohne, Ø.S. DATED – a dating database and GIS-based reconstruction of the Eurasian deglaciation. Workshop: Correlation of Pleistocene events in the Russian North, 4-6.12.2006.

Gyllencreutz, Richard; Mangerud, Jan; Svendsen, John-Inge; Lohne, Øystein Strand. DATED – A DATING DATABASE AND GIS-BASED RECONSTRUCTION FOR THE EURASIAN DEGLACIATION [Paper uten foredrag]. THE INQUA PERIBALTIC GROUP FIELD SYMPOSIUM; 11.09.2006 - 15.09.2006

Hafliðason, H., Nygård, A. & Pask, E. The stability and morphology of the south Storegga Slide headwall influenced by rapidly deposited laminated plume sediments of late Late Weichselian age. European Geosciences Union General Assembly, 2-7.04.2006.

Hafliðason, H., Nygard, A., Sejrup, H.P., Grasmø, K.J. and Lekens, W., 2006. The refined age of the mega slide events created in the Storegga area during the last c. 0.5 Ma. Third EUROMARGINS Conference, Bologna, Italy, 4-7 October 2006.

Hansen, H-E., Grönvold, K., Kosler, J., Pedersen, R. B. (2006): Lithium isotopic variations in volcanic rocks from the northern Icelandic rift zone. Geophys. Res. Abstr., 8, 07527, EGU Vienna, Austria, 2-7 April.

Hellevang, H.; Kvamme, B. ACCRETE – Geochemistry solver for CO₂-water-rock interactions [Vitenskapelig foredrag]. 8th International Conference on Greenhouse Gas Control Technologies; 19.06.2006 - 22.06.2006

Henriksen, M. & Demidov, I., Preliminary results from the marginal zone of the Syurzi Moraine, northern Russia. European Geosciences Union General Assembly, 2-7.04.2006.

Henriksen, M., Mangerud, J., Matiouchkov, A., Murray, A., Paus, A. & Svendsen, J.I., Intriguing climatic shifts in a 90 kyr long record from the Timan Ridge in northern Russia. Workshop: Correlation of Pleistocene events in the Russian North, 4-6.12.2006.

Henriksen, M., Mangerud, J., Matiouchkov, A. & Svendsen, J.I. A Late Saalian ice advance near Vorkuta, Arctic Russia. Workshop: Correlation of Pleistocene events in the Russian North, 4-6.12.2006.

Hesthammer, J. Boulaenko, M., and Davies, R. 2006: "CSEM in exploration – a technology with game changing potential." South African Geophysical Society, Cape Town, April 19th.

Hjelstuen, B. O., Eldholm, O., Faleide, J.I., 2006. The Bjørnøya Fan Slide Complex – recurrent mega-failures on the NE Atlantic margin. *Magellan Workshop Series: Scientific Ocean Drilling behind the assessment of geo-hazard from submarine slides*, 25.-27. October 2006, Barcelona, Spain (POSTER).

Hjelstuen, B.O.B., Eldholm, O. & Faleide, J.I., The Bjørnøya fan slide complex- recurrent Pleistocene mega-failures on the NE Atlantic margin. 3rd Euromargin conference, 4-7.10.2006.

Hjelstuen, B.O.B., Eldholm, O. & Faleide, J.I., The Bjørnøya Fan Slide Complex – recurrent Pleistocene mega-failures on the NE Atlantic margin. European Geosciences Union General Assembly, 2-7.04.2006.

Hjelstuen, B.O.B., Hafliðason, H., Sejrup, H.P., Lyså, A. & Nygård, A., Subglacial deformation of Late Weichselian Fjord sediments, evidence from Nordfjord western Norway European Geosciences Union General Assembly, 2-7.04.2006.

Hjelstuen, B.O.B., Hafliðason, H., Sejrup, H.P., Nygård, A. & Lyså, A. Sedimentary processes and subglacial deformation in the Nordfjord system, western Norway, during the last deglaciation. Workshop on Fjord Environments: Past, Present and Future, 15-16.09.2006.

Hjelstuen, B.O.B., Sejrup, H.P., Hafliðason, H., Eldholm, O., Faleide, J.I. & Nygård, A. Pleistocene depositional environments and large-scale mass movements on the Norwegian-Barents Sea continental margin. 3rd Euromargin conference, 4-7.10.2006.

Hollick, L., Bauer, W., Bingen, B., de Azevedo, de Sousa Soares, H., Feitio, P., Fumo, C., Gonzales, E., **Jacobs, J.**, Manhica, V., Manuel, S., Matusza, G., Tembe, D., Thomas, R.J., Uachave, B., Viola, G., 2006. Structural evolution in N Mocambique - Milange, Mocuba and Insaca-Gurue sheets. *21st Colloquium of African Geology, Maputo, Mozambique*. Abstracts, p., 68-70.

John Howell, Åsmund Vassel, Tanja Aune, **Simon Buckley**, and **Håvard H. Enge**
From Outcrop to Flow Simulation: The Effects of Shallow Marine Clinofolds on Simulated Production
from Outcrop Analogues in Utah. AAPG Annual Convention, Houston, Texas, USA, 2-7.04.2006.

**Hufthammer, Anne Karin; Høie, Hans ; Andersson, Carin; Folkvord, Arild; Geffen, Audrey;
Bratbak, Olaug Flatnes; Jaksland, L; Ninnemann, Ulysses S.** Mesolithic seasonal sea temperatures
revealed from stable isotope analysis of cod otoliths [Poster]. Nordic Marine Science Conference;
01.11.2006 - 03.11.2006

Huismans R.S., Beaumont, C., Narrow Asymmetric versus Extreme Wide Non-Volcanic Passive Margin
Formation, Control of Lithospheric Rheological Stratification and Strain Weakening, Invited presentation
AGU Fall meeting 2006.

Huismans R.S., Beaumont, C., Lithospheric Rheological Stratification, Strain Weakening, and the
Geometry of Rifts and Continental Margins, Invited presentation European Geosciences Union General
Assembly, 2-7.04.2006.

Huismans R.S., Beaumont, C., Effect of Lithospheric Rheological Stratification on Extensional Styles and
Rift Basin Geometry, Keynote presentation Margins Workshop Rupturing Continental Lithosphere in the
Gulf of California-Salton Trough Region. Ensenada, Mexico, 2006.

Husebye, E.S., The conception and birth of seismic tomography at NORSAR/MIT 1974/75. Keiiti Aki
Memorial, 31.03.2006.

Husebye, E.S., Fedorenko, Y.V. & Matveeva, T. S.. Secondary phase validation- Phase classification by
polarization. AGU fall meeting, 11-15.12.2006.

Jacobs, J., Bauer, W., Thomas, R.J., 2006. A Himalayan-type indenter-escape tectonic model for the
southern part of the Late Neoproterozoic/Early Paleozoic East African-Antarctic Orogen. *21st Colloquium
of African Geology*, Maputo, Mozambique. Abstracts, p., 71-72.

Jacobs, J., Bauer, W., Thomas, R.J., 2006. A Himalayan-type indenter-escape tectonic model for the
southern part of the Late Neoproterozoic/Early Paleozoic East African-Antarctic Orogen. *EGU General
Assembly*, Vienna, p. 282.

Jakobsen, M., The effective permeability of fractured reservoirs and composite porous media. SEG
Annual meeting, 1-6.10.2006.

Jakobsen, M., Skjevheim, J.A. & Aanonsen, S.I.. Characterization of fractured reservoirs by effective
medium modelling and joint inversion of seismic and production data. 12th International Workshop on
Seismic Anisotropy, 22-27.10.2006.

Jansen, E., North Atlantic climate and ocean variability during the Holocene on multi-decadal and longer
time scales. Holivar Conference, natural climate variability and global warming, 13-16.06.2006.

Johansen, T.A., Jakobsen, M., Ruud, B.O. & Gjøystdal, H., Seismic reservoir characterization. CIPR
Petroleum Technology Seminar, 9-10.05.2006.

Kaiser, J., Lamy, F., De Pol-Holz, R., **Ninnemann, U.** & D. Hebbeln., Patagonian Ice Sheet melting over
the last deglaciation and possible impact on the oceanic circulation off Chile, European Geosciences Union
General Assembly, 2-7.04.2006.

Katkalov, Y., **Husebye, E.S.** & Fedorenko, V. SENSES: Seismological Network for Science and Education
in Schools. Communication, Science and Technology - CST 6-8.06.2006.

Khattari, Sanjay Kumar; **Hellevang, Helge**; Fladmark, Gunnar E; Kvamme, Bjørn. Numerical modelling of reactive transport at the Utsira [Vitenskapelig foredrag]. 8th International Conference on Greenhouse Gas Control Technologies; 19.06.2006 - 22.06.2006

Kosler, J., Isotopic dating of accessory minerals by laser ablation ICP-MS: a mature technique? AGU meeting, 23-26.05.2006.

Kosler, J. & Tycova, P., Fe isotopic fractionation in iron meteorites - a potential thermometer? Goldschmidt 2006 meeting, Melbourne, Australia, 27.08-1.09.2006.

Kosler, J. & Tycova, P., Laser ablation MC-ICP-MS analyses of Fe isotopes in iron meteorites. Plasma Spectrochemistry Winter Conference in Tucson, 6-14.01.2006.

Kosler, J., Anbar, A., Field, P., Ketterer, M. & Longerich, H., Problems in Environmental, Earth, geological and marine science applications. Panel discussion PD-05. Plasma Spectrochemistry Winter Conference in Tucson, 6-14.01.2006.

Kosler J., Hanchar J., Tubrett M. (2006): Technique comparison for U-Pb laser ablation ICP-MS dating of accessory minerals. 8th European workshop on laser ablation and elemental analysis, abstract O-10, p. 36. Zurich, Switzerland 19-21 July.

Kozakiewicz, D., Malmgren, B. A., **Ninnemann, U.**, Kuijpers, A. & A. Eilola. Paleoclimate changes through the last 67,000 years in the northeastern Caribbean derived from planktonic foraminifera, Forams Conference, 11-15.09.2006.

Kruber C., Geffen A.J., **Tumyr O.**, **Kosler J.** (2006): Analysis of fish otoliths by laser ablation ICP mass spectrometry as a tool for tracing migration of cod. Third Nordic Conference on Plasma Spectrochemistry, 11.06.2006 - 14.06.2006

Laberg, J.S., Guidard, S., Mienert, J., Vorren, T.O., **Hafliðason, H.** & **Nygård, A.**, Morphology and morphogenesis of a high-latitude canyon, the Andøya canyon, Norwegian Sea. 17th International Sedimentological Congress, 27.08-1.09.2006.

Leren, B.L.S., **Howell, J.A.**, Kirman, E., Martinius, A. & **Nemec, W.** Complex sandbody architecture of basin margin shallow-marine delta system: The Eocene Cemalettin Formation, Boyabat Basin, north-Turkey. AAPG 2006 Annual Convention, 9-12.04.2006.

Leren, B.L.S., Kjærefjord, J.M, Martinius, A., Sygnabere, T.O., Wiig, M., and Alme, A. (2006) "New insights into depositional architecture of the Middle Jurassic Oseberg fan delta system, Northern Norwegian North Sea". In: ISC2006 17th International Sedimentological Congress, Abstracts Volume A, Fukuoka, Japan, 27.08.- 1.09. 2006, p. 186.

Leren, B.L.S., Kjærefjord, J.M, Martinius, A., Sygnabere, T.O., Wiig, M., and Alme, A. (2006) "Sequence stratigraphic framework of the Middle Jurassic Oseberg fan delta system, Northern Norwegian North Sea". In: British Sedimentological Research Group Annual Meeting, Programme & Abstracts, University of Aberdeen, UK, 17.-19.12. 2006, p. 71.

Lobegeier, M., Lange, C. & **U. Ninnemann**, Benthic foraminifera as proxies for climate and oceanographic changes in the Holocene off southern Chile, Forams Conference, 11-15.09.2006.

Lovlie, R., Jakobsson, M., **Wang, Y.**, Wallin, A., Sellén, E. and Polyak, L. Magnetic Correlation and Chronology of Sediment-cores (HOTRAX) From the Alpha Ridge and Lomonosov Ridge; Preliminary Results and Some Questions. AGU Fall Meeting, 11-15.12.2006

Mangerud, J., Goss, J., Matiouchkov, A. & Dolvik, T., The late Valdai (Weichselian) glacial maximum in the Polar Urals . Workshop: Correlation of Pleistocene events in the Russian North, 4-6.12.2006.

Mason, P., **Kosler, J.**, De Hoog, C. J., Sylvester, P. & Meffan-Main, S., New possibilities for the in situ measurement of delta34S and delta33S by laser ablation multiple collector ICP-MS . Goldschmidt 2006 meeting, 27.08-1.09.2006.

McLoughlin, Nicola; Brasier, M.D.; Wilson, L.A. Synthesing stromatolites and wrinkle mat-like fabrics in the absence of microbes: Implications for the early sedimentary rock record [Vitenskapelig foredrag]. British Sedimentological Research Group Annual General Meeting; 18.12.2006 - 18.12.2006

Meert, J.G., **Walderhaug, H.J.**, Torsvik, T.H., & Hendricks B. W. Age and paleomagnetic signature of the Alno Carbonatite Complex (NE Sweden): Additional Controversy for the Neoproterozoic Paleoposition of Baltica. AGU fall meeting, San Francisco 11-15.12.2006

Mienert, J., Garcia, C.P., **Haflidason, H.** & Vanneste, M.. Outer shelf cracking influencing slope stability and gas blowouts on the Norwegian margin. European Geosciences Union General Assembly, 2-7.04.2006.

Miková J., Longerich H., Kosler J. Wiedenbeck M. (2006): Fractionation of alkali elements during LA ICP-MS analysis of silicate samples. Geoanalysis 2006, Beijing, China, 19-21 September.

Mikova, J., Longerich, H., **Kosler, J.** & Wiedenbeck, M., Fractionation of alkali elements during laser ablation ICP-MS analysis of silicate samples. Plasma Spectrochemistry Winter Conference in Tucson, 6-14.01.2006.

Mjelde, R. Fra Jordskjelvstasjonen til Geovitenskap. NTVA seminar, Bergen, 13/10, 2006.

Mjelde, R. and Ritzmann, O. Deep structure of the Barents Sea from wide-angle seismic data. Arctic Research Workshop, Statoil, Harstad, 28-29/11, 2006.

Mjelde, R., Breivik, A. and Faleide, J.I. Crustal transect across the North Atlantic. SEISMIX, Hayama, Japan, 24-29/9, 2006.

Mjelde, R., Breivik, A. and Faleide, J.I. Crustal profile across the North Atlantic. Euromargins conference, Bologna, 2-7/10, 2006.

Ntaflos T., Tschegg, A., Coltorti, Kosler, J. (2006): Spinel lherzolite from the lithospheric mantle part of the paleo-Pacific plate in Viliga, NE-Siberia. Geophys. Res. Abstr., 8, 04118, EGU Vienna, Austria, 2-7 April.

Nesje, A., "Den vesle istida" – temperatur eller nedbør? . Årsmøte til NGS (naturgeografisk sesjon), 23-24.03.2006.

Nesje, A., The fate of the Norwegian glaciers: past, present and future. The Quaternary Discussion Group. Paleoclimate and climate change, 5.05.2006.

Ninnemann, U., Kleiven, H. & **C. Euler**, Covariation in SE Pacific surface and intermediate water properties on centennial-millennial timescales—constraints on the role of the “oceanic tunnel” in abrupt climate change, European Geosciences Union General Assembly, 2-7.04.2006.

Nygård, A., Haflidason, H., Lekens, W.A.H. & Sejrup, H.P., Rapid glacial sedimentation on the North Sea Fan – an important factor for explaining a long slide history. European Geosciences Union General Assembly, 2-7.04.2006.

Nygård, A., Haflidason, H. & Sejrup, H.P., The eastern part of the British Ice Sheet during the last deglaciation- evidence from the central North Sea. Rapid Climate Change International Science Conference, 24-27.10.2006.

Nygård, A., Sejrup, H.P., Lekens, W.A.H. Hafliðason, H., Clark, C. & Bigg, G. Subglacial sediment transport of a marine ice stream during the Late Glacial Maximum, northern North Sea. AGU Fall Meeting, 11-15.12.2006.

Nygård, A., Sejrup, H.P., Lekens, W.A.H., Hafliðason, H., Clark, C. & Bigg, G., Quantifying subglacial sediment transport of a marine ice stream during the Late Glacial Maximum, Fennoscandian Ice Sheet. European Geosciences Union General Assembly, 2-7.04.2006

Nyland, B.F., Jansen, E., Elderfield, H. & Andersson, C. *Neogloboquadrina pachyderma* (dex. and sin.) Mg/Ca and $\delta^{18}O$ records from the Norwegian Sea. 36th International Arctic workshop, 16-18.03.2006, INSTAAR, Boulder, US

Nøttveit, H., J. Tveranger, M.S. Espedal, T. Skar, A. Braathen & E. Bastesen, 2006. Implementation of multi-scale fault zone structures into reservoir models. Production Geoscience, November 6-7, Stavanger.

Oglesby, D.D., Martin, P.M., **Atakan, K.**, Pucci, S., and Pantosti, D. 2006. Fault geometry and rupture dynamics in the Marmara Sea, Turkey. "100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake" by Seismological Society of America, Moscone Center, San Francisco, USA, April 18 - 21, 2006. *Seismological Research Letters*, Vol. **77**, No.2, pg.253.

Olsen, A. Omar, A., Bellerby, R., Johannessen, T., **Ninnemann, U.** & J. Olafsson The anthropogenic CO₂ increase and $\delta^{13}C$ Suess effect in the northern North Atlantic, European Geosciences Union General Assembly, 2-7.04.2006.

Paull, C.K., Ussler, W., Keaten, R., Holbrook, W.S., Hill, T., Mienert, J., **Hafliðason, H.**, Johnson, J., Winters, W., Lorenson, T. & Aiello, I., Assessing Methane Release from the Colossal Storegga Submarine Landslide. AGU Fall Meeting, 11-15.12.2006.

Pope, R., O'Hare, G., Wilkinson, K., **Nemec, W.**, Skourtsos, E., Ferrier, G. & Rumsby, B. (2006) New insights into alluvial-fan development in the Sfakian piedmont, southern Crete. In: Abstracts, Conference on Geomorphology and Earth System Science. British Geomorphology Research Group, Loughborough (June 2006).

Rieu, R., Allen P.A, Le Guerroué E., **Kosler, J.** (2006): Detrital zircon geochronology of the Neoproterozoic Huqf Supergroup, Oman: implications for the ages of Neoproterozoic glaciations. Snowball Earth Conference, Ascona, Switzerland, 16-21 July.

Scheck-Wenderoth, M., Maystrenko, Y., Faleide, J.I., **Mjelde, R.** and Horsfield, B. The COT at the Norwegian margin - constraints from 3D structural and gravity modeling. AGU, San Francisco, 11-15/12, 2006.

Scheck-Wenderoth, M., **Raum, T., Mjelde, R.**, Faleide, J.I., Primio, R.D. and Horsfield, B. Results from 2D/3D structural modeling of the Norwegian margin. Euromargins conference, Bologna, 2-7/10, 2006.

Scheck-Wenderoth, M., **Raum, T., Mjelde, R.**, Faleide, J.I., Primio, R.D. and Horsfield, B. Subsidence analysis based on a 3D structural model of the Voring Margin. EGU, Vienna, 2-7/4, 2006.

Scheck-Wenderoth, M., **Raum, T., Mjelde, R.**, Faleide, J.I., Primio, R.D. and Horsfield, B. Results from 3D structural modeling of the Norwegian margin. EGU, Vienna, 2-7/4, 2006.

Schulz, K.G., Riebesell, U., Neill, C., **Ninnemann, U.** & J. Middelburg, Carbon fluxes within a natural plankton assemblage during the PeECE III SCO₂ enrichment study, European Geosciences Union General Assembly, 2-7.04.2006.

Sejrup, H.P., Lehman, S.J., **Hafliðason, H.**, Andrews, J.T., Muscheler, R., deMenocal, P.B. & Lund, D.,

Response of Late Holocene Nordic Sea temperatures to solar forcing. AGU Fall Meeting, 11-15.12.2006.

Semshaug, S., Braathen, A., & Tveranger, J., 2006. Quantification of fault core facies; examples from Sinai. Poster, CIPR Seminar 9-10 May.

Skar, T., Braathen, A., & Tveranger, J., 2006. A critical assessment of fault core thickness - displacement relations. Poster, CIPR Seminar 9-10 May.

Skjervheim, J.A., Eversen, G., Aanonsen, S.I., Ruud, B.O. & **Johansen, T.A.**, Model updating with 4D seismics using the ensemble Kalman filter method. CIPR Petroleum Technology Seminar, 9-10.05.2006.

Skjervheim, J.A., Ruud, B.O., Aanonsen, S.I., Eversen, G. & **Johansen, T.A.**, Using the ensemble Kalman filter with 4D data to estimate properties and lithology of reservoir rocks. 10th European Conference on the mathematics of oil recovery, 4-7.09.2006.

Slama, J., **Kosler, J.**, Schaltegger, U., Tubrett, M. & Gutjahr, M.. New natural zircon standard for laser ablation ICP-MS U-Pb geochronology. Plasma Spectrochemistry Winter Conference in Tucson, 6-14.01.2006.

Slama, J., **Kosler, J. & Pedersen, R.B.**, Deciphering metamorphic evolution of rocks by means of Hf isotopes. Goldschmidt 2006 meeting, 27.08-1.09.2006.

Svendsen, J.I., Ice Age development and human settlement in northern Eurasia (ICEHUS) – a challenge. Workshop: Correlation of Pleistocene events in the Russian North, 4-6.12.2006.

Svendsen, J.I., Astakhov, V.A., **Henriksen, M.**, **Mangerud, J.** & Nazarov, D., The ice sheet history in northern Russia during the last glacial cycle. European Geosciences Union General Assembly, 2-7.04.2006.

Sørensen, M.B., **Atakan, K.** & Pulido, N. Simulated strong ground motions for the great Sumatra-Andaman earthquake of December 26, 2004. European Geosciences Union General Assembly, 2-7.04.2006. Geophysical Research Abstracts, vol.8, 07656.

Sørensen, M.B., **Atakan, K.** & Pulido, N. Simulated strong ground motions for the great M9.3 Sumatra-Andaman earthquake of december 26,2004. European Conference on Earthquake Engineering and Seismology, Geneva, 4-8.09.2006.

Sørensen, M.B., Lie, J.E., **Havskov, J.** & **Atakan, K.**, Seismotectonics of Skagerrak. First European Conference on Earthquake Engineering and Seismology, Geneva, 4-8.09.2006.

Sørensen, M.B., Pulido, N. & **Atakan, K.**, Seismic hazard in Istanbul, Turkey, based on ground motion simulations, and uncertainties in the predicted ground motion levels. European Geosciences Union General Assembly, 2-7.04.2006. Geophysical Research Abstracts, vol.8, 07839.

Sørensen, M.B., Pulido, N. & **Atakan, K.**, Sensitivity of ground motion simulations to earthquake source parameters: a case study for Istanbul, Turkey. European Conference on Earthquake Engineering and Seismology, Geneva, 4-8.09.2006.

Takanami, T., Mjelde, R., Murai, Y. and Nishimura, Y. Evolution of the Norwegian Margin, NE Atlantic, from Japanese-Norwegian OBS-cooperation. Japanese Seismological Society Joint Meeting, Tokyo, March 2006.

Talbot, M.R., Deep drilling in tropical African lakes: some limnogeological lessons . IV Congreso del Grupo Español del Terciario, 25-26.09.2006 (invited talk).

Thomas, R.J., Bauer, W., Bingen, B., de Azevedo, de Sousa Soares, H., Hollick, L., Feitio, P., Fumo, C., Gonzales, E., **Jacobs, J.**, Manhica, V., Manuel, S., Matuza, G., Tembe, D., Uachave, B. and Viola, G.,

2006. Mozambique Belt in the Milanje-Mocuba-Malema area, Mozambique. Geochronology of Pan-African terrain assembly in the NE Mozambique. *21st Colloquium of African Geology*, Maputo, Mozambique. Abstracts, p. 161-163.

Anita Torabi, Alvar Braathen, Fabrice Cuisiat, Elin Skurtveit, **Haakon Fossen**, Lars Grande. Shear zones in porous sand from high-stress ring-shear experiments. International Conference Petroleum Geoscience Collaboration Conference, 24th-25th October 2006, The Geological Society, Burlington House, London.

Tsikalas, F., Breivik, A., Faleide, J.I., Mjelde, R., and Eldholm, O. Crustal structure, continental breakup and magmatism at the Lofoten-Vesteraalen margin, off mid-Norway, constrained by Euromargins 2003 OBS experiment. AGU, San Francisco, 11-15/12, 2006.

Tsikalas, F., Breivik, A., Faleide, J.I., Raum, T., Mjelde, R., and Eldholm, O. Crustal structure of the Lofoten-Vesterålen margin, off mid-Norway, constrained by new OBS-data. EGU, Vienna, 2-7/4, 2006.

Tsikalas, F., Breivik, A.J., Faleide, J.I., **Raum, T.J., Mjelde, R. & Eldholm, O.**, OBS data constrain the crustal structure of the Lofoten – Vesterålen margin, off mid-Norway. Gulf Seismic Forum 2006, 19-22.02.2006.

Tveranger, J., **Braathen, A.**, Espedal, M., & Fossen, H., et al., 2006. The Fault Facies Project. CIPR Seminar 9-10 May.

Venik Ganerød, G., Braathen, A., & Wissing, B., 2006. Permeability model of extensional faults in metamorphic rocks; verification by pre-grouting in sub-sea tunnels. American Geophysical Union Fall Meeting 2006.

Viola, G., Henderson, I., Bingen, B., Feitio, P., Thomas, R., Hollick, L., **Jacobs, J.**, 2006. A new tectonic framework for northern Mozambique. *21st Colloquium of African Geology*, Maputo, Mozambique. Abstracts, p., 168-170.

Walderhaug, H.J., Paleomagnetism and block rotations. ARAMIS workshop, Izmir Turkey 30.10-1.11.2006

Øian, E., Heimsund, B.O., Holm, R., **Braathen, A.**, Nielsen, L.K. & Espedal, M.S.. Detailed flow modeling and upscaling of Fault Facies damage Zones. CIPR Petroleum Technology Seminar, 9-10.05.2006.

Øvreås, L., **Steinsbu, B.O.**, Jørgensen, S.L., **Thorseth, I.H. & Pedersen, R.B.**, Distribution and diversity of microorganisms associated with a newly discovered hydrothermal vent field at the Mohns Ridge. 11th International symposium on Microbial Ecology (ISME11), 20-25.08.2006.

Other presentations

Fredman, U.N., Tveranger, J., **Semshaug, S.L. & Braathen, A.**, 2006. Impact of Fault Facies modeling on reservoir fluid flow – a synthetic sensitivity study. CIPR Petroleum Technology **Seminar**, 09.05-10.05

Helland-Hansen, W., Walther's Law, Sequence Stratigraphy, and Trajectory Analysis. Shell EP Sedimentology Network Workshop: Deltaic and Shallow Water Calstics Resurrected - Recent Advances, New Concepts and Applications, Stavanger Nov.8-9, 2006

Linge, H. Estimating ages of landforms using cosmogenic ¹⁰Be concentrations in rock surfaces. TopoNorge Workshop, Geological Survey of Norway, Trondheim 6-7 March 2006.

Linge, H. Mot en ny, gyllen tidsalder for geomorfologi? Norsk geografisk selskap, 23.-24. mars, 2006.

McLoughlin, Nicola, Brasier, M.D. & Wilson, L.A. Synthesing stromatolites and wrinkle matlike fabrics in the absence of microbes: Implications for the early sedimentary rock record. British Sedimentological Research Group Annual General Meeting, 18.12.2006.

Eldholm, O.: God Forskerutdanning – eit leiaransvar. Forskarutdanning-utfordringar og muligheter. UiB konferanse, Geilo 23-24.10.2006.

Eldholm, O.: Fra DSDP til ODP til IODP. Norsk IODP seminar, Solstrand 3.5.2006

Guest Lectures

Aarseth, I. Rallarvegen – geologi og landformer. Invitert foredrag på Fredagsforum, NGU, Trondheim. 15.09.2006

Atakan., 2006. Need for an earthquake hazard analysis? Workshop on Åknes/Tafjord rockslides, Geological Survey of Norway (NGU) Trondheim, Norway, 20 Feb. 2006.

Atakan, K. (invited) 2006. Jordskjelvsrisiko i Istanbul: Utfordringer i en by med 12 millioner mennesker. Seminar on "Jordskjelv som naturfenomen of samfunnsrisiko", Norsar, Kjeller, 1 March 2006.

Atakan, K., Sørensen, M.B., and Pulido, N. 2006 (invited). Effects of earthquake source complexity in estimating seismic hazard: A case study for Istanbul. Faculty of Geology, University of Barcelona, Barcelona, Spain. 19 Sept. 2006.

Atakan, K. 2006. ARAMIS Project overview. Workshop on the "Earthquake Potential in Western Anatolia and the Associated Risk Assessment and Mitigation in Izmir and its Surroundings (ARAMIS)", DESEM, Dokuz Eylül University, Izmir, Turkey, 30 October - 1 November 2006.

Atakan, K. 2006. Living with a constant earthquake threat: Scientific challenges in assessing a realistic seismic hazard scenario for Istanbul. Department of Earth Sciences, Uppsala University, Uppsala, Sweden. 6 December 2006.

Ninnemann, U., Kleiven, H. & C. Euler, Decadal-Millennial scale variations in Antarctic Intermediate Water properties from 0-50kyr BP—New constraints on the role of the oceanic tunnel in abrupt climate change, Bern, 09.01.2006

Talbot, M.R. "Deep drilling in Lakes Bosumtwi and Malawi: Long records of environmental change in tropical Africa". University of Western Brittany, Brest, France, 27.01.06.

Courses

Kosler J. & Tubrett M. Isotopic analysis of natural inorganic samples by laser ablation ICP mass spectrometry. Short course ST-16, Plasma Spectrochemistry Winter Conference in Tucson, Arizona, 6-14.1.2006.

Popular Science

Aarseth, I. Bokprat på NRK/Hordaland om boka "Rallarvegen - geologi og landformer (Greåsteinen nr. 11, NGU).. NRK/Hordaland [Radio] 20.07.2006

Aarseth, I. 2006. Eit 100 år gammalt meisterverk. Sogn Avis 2006 (197) 14-15

- Aarseth, I.** Kreativ boklansering i det fri. Reportasje frå boksleppet i Flåmsdalen: Boka: Rallarvegen - geologi og landformer. Skald forlag. . Sognavis [Avis] 10.07.2006
- Aarseth, I.** Strandflaten - Kystslette under bratte fjell. I: Landet blir til. Norges geologi. Trondheim: Norsk Geologisk Forening 2006. ISBN 82-92394-31-1. s. 488-488
- Aarseth, I.** 2006. Strandflaten – Kystslette under bratte fjell. I Ramberg et al. (reds.) *Landet blir til. Norges geologi*. Trondheim, Norsk Geologisk Forening. 488.
- Aarseth, I.** Geologi og landformer i nedre Flåmsdalen. Geologisk ekskursjon for 60 elever ved Aurland barne- og ungdomsskule. Geologiens dag. 8.09.2006.
- Aarseth, I.** Geologisk ekskursjon i Flåmsdalen. Geologiens dag 9.09.2006.
- Aarseth, I.** Geologisk vandring i Isdalen. Forskningsdagene 2006. 24.09.2006.
- Aarseth, I.** Rallarvegen – geologi og landformer. Torsdagsmøte, Nordnes gamlelekerer 5.10.2006.
- Aarseth, I.** Rallarvegen – geologi og landformer. Nynorske litteraturdagar, Flåm. 5.11.2006.
- Atakan, K.** 2006. Jordskjelv. Populærvitenskapelig foredrag. Bergen Museum, 24 September 2006.
- Dahl, S.O. and **Linge, H.** 2006. Kald is, varm is og klima. *Cicerone* 4, 28-30.
- Eldholm, O.** GEO - Magasin for geomiljøet [Avis] 15.01.2006
- Haflidason, Hafliði.** Dannelse og utvinning av olje i Nordsjøen og Barentshavet. Geologiens Dag 2006, 8.09.2006
- Haflidason, Hafliði; Hjelstuen, Berit Oline Blihovde; Aarseth, Inge ; Monsen, Stig; Chand, S.; Zuehlsdorff, C.; Nøkling, T.B.; Sverre, K.K.; Førde, A.-E.; Macakova, J.; Kjennbakken, J.; Miljeteig, N.; Årthun, T.; Bøe, H.; Abdullah, A.A. . Marine Geological Cruise Report from Ranafjorden, Voldafjorden, sognefjorden, Norwegian Channel, Bygjorden and South Hordaland fjords. R/V "G.O.Sars" 16-26.11.06: Department of Earth Science, University of Bergen 2006. 53 s.
- Hjelstuen, Berit Oline Blihovde.** På djupt vatn utanfor Norskekysten. Foredrag, Geologiens Dag 2006, 8.09.2006
- Nesje, Atle.** Den vesle istida. Foredrag, Jostedalsbreen Nasjonalparksenter, 26.05.2006.
- Pedersen, R.B.** Forskeren - Rolf Birger Pedersen. GEO - Magasin for geomiljøet [Avis] 15.06.2006
- Sand, G., and **Braathen, A.**, 2006. CO2-fritt Svalbard i 2025? Svalbardposten, 10 November.