



# **GEOLOGI FOR SAMFUNNET**

SIDEN 1858



**NORGES  
GEOLOGISKE  
UNDERSØKELSE**  
· NGU ·

# ÅRSMELDING 2014

## Innhold

KART OG PUBLIKASJONER UTGITT AV NGU .....	3
Kart.....	3
Berggrunnskart .....	3
Kvartærgeologiske kart .....	3
Geofysiske kart.....	4
Maringeologiske kart .....	4
Ressurskart sand, grus, pukk.....	6
Publikasjoner og bøker.....	7
NGU Special Publication 14 .....	7
NGU Bulletin 453 .....	7
Brosjyrer.....	7
Publisering på nett.....	8
NGU-rapporter .....	9
Anvendt geofysikk .....	9
Byggeråstoffer.....	10
Geokjemi .....	10
Grunnvann og urbaneologi.....	10
Maringeologi .....	10
Mineralressurser .....	11
Skred .....	11
Sokkelgeofysikk .....	11
EKSTERN PUBLISERING .....	12
Eksterne rapporter .....	12
Byggeråstoff.....	12
Maringeologi .....	12
Skred .....	12
Vitenskapelig publisering.....	13
Anvendt geofysikk .....	13
Berggrunnsgeologi .....	13
Byggeråstoffer.....	15
Geodynamikk .....	15
Geokjemi .....	17
Grunnvann og urbaneologi.....	19
Kvartærgeologi.....	20
Maringeologi .....	20
Mineralressurser .....	22
Skred .....	23
Sokkelgeofysikk .....	25
NGU-Lab.....	26
Populærvitenskapelig publisering .....	27
Medieoppslag (aviser, nettaviser, blogg, TV, radio).....	28
FOREDRAG OG UNDERVISNING .....	32
Anvendt geofysikk .....	32
Berggrunnsgeologi .....	33
Byggeråstoffer.....	35
Geodynamikk .....	37

Geokjemi .....	39
Grunnvann og urbangeologi.....	41
Kvartærgeologi.....	44
Maringeologi .....	45
Mineralressurser .....	51
Skred .....	54
Sokkelgeofysikk .....	57
NGU-Lab.....	59
Kommunikasjon .....	60
VERV I INTERNASJONALE ORGANISASJONER OG KOMITEER.....	61
VERV I NASJONALE ORGANISASJONER OG KOMITEER.....	63
SENSORER, VEILEDERE OG BEDØMMELSESKOMITÉER .....	64

# KART OG PUBLIKASJONER UTGITT AV NGU

## **Kart**

*Oversikten gjelder kart utgitt i forskjellige målestokker på papir som farvetrykk eller fargeplott. Digitale kartdata kan plottes på forespørsel. Prisen på et farge plottekart i normal kvalitet (inntil A0 størrelse) vil være kr. 150,-*

*Ettersom alle kart produseres digitalt og ligger i databaser, vil et digitalt utsnitt (datasett) kunne lastes ned (gratis) fra våre nettsider. Om annen type data ønskes bestilt tas det ca. kr. 500,- + mva per datasett til dekning av uttaks- og tilretteleggingskostnader. Kartdatasett for berggrunn og løsmasser, mangler foreløpig punktinformasjonen (symbolene). Datainnholdet følger SOSI-standarden, og avledede egenskaper kan være lagt inn. Alle linjestykker inneholder kvalitets- og metadataparametre. En standard leveranse ved bestilling vil være på SOSI-format eller ESRI-formater og med datum Euref89/gjeldende UTM-soner.*

## **Berggrunnskart**

### **M 1:50 000 (fargeplott)**

Kjæs 2136-3 (Roberts, D.)

Lødingen 1231-1 (Tveten, E.)

Raftsundet 1231-4 (Tveten, E.)

Ål 1616-3 (Sigmond, E.M.O., Gjelle, S. & Solli, A.)

## **Kvartærgeologiske kart**

### **M 1:50 000 (trykt kart)**

Rondane nasjonalpark (Follestad, B.A.)

### **M 1:50 000 (fargeplott)**

Lyngdal 1411-3 og Lindesnes 1410-4 (Follestad, B.A., Romundset, A. & Fredin, O.)

Overhalla 1723-1 (Sveian, H., Bergstrøm, B., Olsen, L. & Riiber, K.)

Nord-Flatanger 1624-2 (Sveian, H. & Olsen, L.)

Skarvan og Roltdalen nasjonalpark (Sveian, H., Riiber, K. & Rubensdotter, L.)

Romfo 1420-2 (Follestad, B.A.)

## Geofysiske kart

### Helikoptermålinger (Magnetiske, elektromagnetiske og radiometriske kart)

- Austvågøy, Hinnøy, Tjeldøy og Hadseløya, Nordland. Magnetisk og radiometrisk (NGU Rapport 2014.007)
- Altevaan, Troms. Magnetisk og radiometrisk (NGU Rapport 2014.009)
- Drangedal, Telemark. Magnetisk og radiometrisk (NGU Rapport 2014.044)
- Hattfjelldal, Nordland. Magnetisk, elektromagnetisk og radiometrisk (NGU Rapport 2014.029)
- Kviteseid-Notodden-Ulefoss, Telemark. Magnetisk og radiometrisk (NGU Rapport 2013.049)
- Kåfjord, Troms. Magnetisk, elektromagnetisk og radiometrisk (NGU Rapport 2014.043)
- Stjernøy, Finnmark. Magnetisk, elektromagnetisk og radiometrisk (NGU Rapport 2014.033)
- Senja, Troms. Magnetisk, elektromagnetisk og radiometrisk (NGU Rapport 2014.039)

## Maringeologiske kart

(Digitale kart tilgjengelig på: <http://www.ngu.no/hm/Kart-og-data/> eller <http://www.mareano.no>)

- Baeten, N. & Lepland, A.:** Bunnsedimenter (dannelse). Skjoldryggen.
- Baeten, N. & Lepland, A.:** Landformer. Skjoldryggen.
- Baeten, N. & Lepland, A.:** Sedimentasjonsmiljø. Skjoldryggen.
- Baeten, N., Plassen, L. & Lepland, A.:** Bunnsedimenter (kornstørrelse). Skjoldryggen.
- Baeten, N., Plassen, L., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.:** Geologisk havbunnskart, Kart 65000430, desember 2014. M 1:100 000. Norges geologiske undersøkelse.
- Baeten, N., Plassen, L., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.:** Geologisk havbunnskart, Kart 65000600, desember 2014. M 1:100 000. Norges geologiske undersøkelse.
- Baeten, N., Plassen, L., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.:** Geologisk havbunnskart, Kart 65300430, desember 2014. M 1:100 000. Norges geologiske undersøkelse.
- Bellec, V.:** Bioklastiske sedimenter, Mørebankene, Storegga og Skoldryggen.
- Bellec, V. & Lepland, A.:** Bunnsedimenter (kornstørrelse). EK Aktivneset.
- Bellec, V. & Lepland, A.:** Bunnsedimenter (dannelse). EK Aktivneset.
- Bellec, V. & Lepland, A.:** Bunnsedimenter (dannelse). Tidlig omstridt område (TOO).
- Bellec, V. & Lepland, A.:** Bunnsedimenter (kornstørrelse). Tidlig omstridt område (TOO).
- Bellec, V. & Lepland, A.:** Sedimentasjonsmiljø. Tidlig omstridt område (TOO).
- Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.:** Geologisk havbunnskart, Kart 62000300, desember 2014. M 1:100 000..

- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 62000430, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 62300300, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 62300430, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 62300600, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63000430, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63000600, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63000730, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63300730, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64000730, desember 2014. M 1:100 000.
- Bellec, V.**, Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64000900, desember 2014. M 1:100 000.
- Bellec, V.**, Plassen, L., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63300600, desember 2014. M 1:100 000.
- Bjarnadóttir, L.R.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64300900, desember 2014. M 1:100 000.
- Bjarnadóttir, L.R.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 65000900, desember 2014. M 1:100 000.
- Dolan, M.F.J.** & Buhl-Mortensen, P.: Biotoper. Troms III, Eggakanten, Vest-Finnmark.
- Elvenes, S.:** Landskap. Barentshavet.
- Elvenes, S.:** Landskap. Norske havområder.
- Lepland, A.**, Rybalko, A. & Lepland, Aa.: Seabed sediments of the Barents Sea. Scale 1:3.000.000. Geological Survey of Norway (Trondheim) and SEVMORGEO (St. Petersburg).
- Olsen, H.A.** & Grefsrud, E.S.: Bunn sedimenter (kornstørrelse). Fitjar, Hordaland.
- Plassen, L.**, Baetan, N., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H. : Geologisk havbunnskart, Kart 65300600, desember 2014. M 1:100 000.

- Plassen, L.**, Baetan, N., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 66000430, desember 2014. M 1:100 000.
- Plassen, L.**, Baetan, N., Lepland, A., Bellec, V., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 66000600, desember 2014. M 1:100 000.
- Plassen, L.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 63300430, desember 2014. M 1:100 000.
- Plassen, L.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64000430, desember 2014. M 1:100 000.
- Plassen, L.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64000600, desember 2014. M 1:100 000.
- Plassen, L.**, Bellec, V., Lepland, A., Elvenes, S., Dolan, M., Bjarnadóttir, L.R., Bøe, R., Rise, L., Thorsnes, T., Selboskar, O.H.: Geologisk havbunnskart, Kart 64300430, desember 2014. M 1:100 000.
- Plassen, L.**, Hansen, L. & Lepland, A.: Landformer. Drammensfjorden

## **Ressurskart sand, grus, pukk**

- Libach, L. & Wolden, K.:** Ressurskart sand, grus og pukk Øystre Slidre kommune
- Libach, L. & Wolden, K.:** Ressurskart sand, grus og pukk Vestre Slidre kommune
- Libach, L. & Wolden, K.:** Ressurskart sand, grus og pukk Vang kommune
- Libach, L. & Wolden, K.:** Ressurskart sand, grus og pukk Sel kommune

## ***Publikasjoner og bøker***

### **NGU Special Publication 14**

Vigran, J., Mangerud, G., Mørk, A., Worsley, D. & Hochuli, P.A.: Palynology and geology of the Triassic succession of Svalbard and the Barents Sea

<http://www.ngu.no/upload/Publikasjoner/Special%20publication/SP14.pdf>

### **NGU Bulletin 453**

**Follestad, B.**, Fredin, O., Olsen, L. & Reimann, C.: Distribution of rock fragments, grain size and chemical elements in tills in the Lake Mjøsa area, east Norway

**Nilsson, L.P.**, Kero, L., Johansson, R., Roberts, D., Mogaard, J.O.: Geophysical expression of the Raudfjellet ophiolite, Nord-Trøndelag, central Norwegian Caledonides

**Nilsson, L.P.** & Roberts, D.: A trail of ophiolitic debris and its detritus along the Trøndelag-Jämtland border: correlations and palaeogeographical implications

### ***Brosjyrer***

(<http://www.ngu.no/no/hm/Publikasjoner/Brosjyrer-fra-NGU2/>)

I serien NGU-Fokus (<http://www.ngu.no/no/hm/Publikasjoner/Brosjyrer-fra-NGU2/NGU-Fokus/>):

- MINN – Mineral resources in North Norway
- BASE Research Project
- Mapping Technology – Quaternary Geology
- Mapping Technology – Bedrock Geology
- Mapping Technology – Mareano

## ***Publisering på nett***

### **NGUs nettportal:**

NGUs kommunikasjonskanal på nett

<http://www.ngu.no/>

### **MAREANO - Marin arealdatabase for norske kyst- og havområder:**

Kunnskap om havet: MAREANO kartlegger dybde, bunnforhold, naturtyper og forurensning i norske havområder. Resultatene gjøres tilgjengelig på disse nettsidene og visualiseres ved hjelp av kart. I tillegg leverer en rekke samarbeidspartnere data og kart fra sin virksomhet.

<http://www.mareano.no/>

### **Grunnvann i Norge:**

Nettstedet inneholder både generell kunnskap og spesifikk informasjon om grunnvann i Norge. Her finnes blant annet informasjon om bruk, forvaltning og forskning.

<http://www.grunnvann.no/>

### **Skred i Norge:**

Skrednett viser data om alle typer skred over hele landet på kart. Her finnes både informasjon om skredfarlige områder og om faktiske hendelser i historisk og førhistorisk tid.

<http://www.skrednett.no>

### **Kvernsteinslandskap i Norge**

Nettsted der geologer, arkeologer, historikere, geografer og folk med kunnskap om håndverksteknikkene samarbeider om å studere en type kultur- og industrilandskap som lenge har vært glemt i Norge, men som var viktig for vårt daglige brød:

Steinbruddslandskapene som ble til gjennom 1500 år med kvernsteinsproduksjon

<http://www.millstone.no>

### **NGU på Facebook**

<https://www.facebook.com/Norges.geologiske.undersokelse>

### **Geologibloggen**

<http://www.ngu.no/blogg>

## **NGU-rapporter**

### **Anvendt geofysikk**

- Dalsegg, E.**, Elvebakk, H. & Rønning, J.S.: Geofysiske bakke- og borehullsmålinger ved Nussir i 2013, Kvalsund kommune, Finnmark. NGU-rapport 2013.057.
- Dretvik, H.** & Dagestad, A.: Georadarundersøkelser i Alteidet og Kvænangsbotn, Kvænangen kommune, Troms. NGU-rapport 2014.004.
- Dretvik, H.** & Dalsegg, E.: Resisitivitetsmålinger på Fremoavsetningen, Melhus kommune, Sør-Trøndelag. NGU-rapport 2013.058.
- Elvebakk, H.**: Borehullslogging med optisk televiewer, Bh 2 og Bh 3, Jettan, Nordnesfjellet, Kåfjord kommune, Troms. NGU-rapport 2014.016.
- Elvebakk, H.**: Geofysisk logging av borehull ved Geologisk Museum, Tøyen, Oslo. NGU-rapport 2013.040.
- Elvebakk, H.**, Fredin, O., Viola, G. & Dalsegg, E.: Geofysisk logging og geologisk kjernelogging, Diamantborehull KH1, Bjarkøy, Troms. NGU-rapport 2014.020.
- Ganerød, G.V.**: Geological logging of drill cores from borehole BH 02-13 and BH 03-13 at Jettan, Nordnes mountain in Troms county, Northern Norway. NGU-report 2014.005.
- Ofstad, F.** & Stampolidis, A.: Helicopter-borne magnetic and radiometric geophysical survey in the Altevann area, Bardu and Målselv municipalities, Troms. NGU-report 2014.009.
- Rodionov, A.**, Ofstad, F., Stampolidis, A. & Tassis, G.: Helicopter-borne magnetic, electromagnetic and radiometric geophysical survey in Hattfjelldal, Nordland County. NGU-report 2014.029.
- Rodionov, A.**, Ofstad, F., Stampolidis, A. & Tassis, G.: Helicopter-borne magnetic, electromagnetic and radiometric geophysical survey of Stjernøy, Finnmark County. NGU-report 2014.033.
- Rodionov, A.**, Ofstad, F., Stampolidis, A. & Tassis, G.: Helicopter-borne magnetic, Electromagnetic and radiometric survey at Northern Senja in 2012, 2013 and 2014, Troms County. NGU-report 2014.039.
- Rønning, J.S.**, Dalsegg, E., Elvebakk, H., Ganerød, G.V., Lutro, O., Maystrenko, Y. & Olesen, O.: Evaluation of the deep geothermal potential in Moss area, Østfold county. NGU-report 2013.008. Confidential
- Stampolidis, A.**, Ofstad, F. & Baranwal, V.: Helicopter-borne magnetic and radiometric geophysical survey at Austvågøya, Hinnøya, Tjeldøya and Hadseløya areas in Troms and Nordland counties. NGU-report 2014.007.
- Stampolidis, A.**, Ofstad, F. & Baranwal, V.: Helicopter-borne magnetic and radiometric geophysical survey in the Kviteseid-Notodden-Ulefoss area, Telemark County. NGU-report 2013.049.
- Tassis, G.**, Gellein, J. & Tønnesen, J.F.: Gravity measurements applied to the mapping of sediment thickness and bedrock morphology in Orkdalen, Orkdal Municipality, Sør-Trøndelag. NGU-report 2014.010.
- Tassis, G.**, Tsourlos, P., Rønning, J.S. & Dahlin, T.: Detection and characterisation of fracture zones in bedrock in a marine environment - possibilities and limitations. NGU-report 2013.017.
- Tønnesen, J.F.**: Georadarmålinger for løsmassekartlegging i Roan kommune, Sør-Trøndelag. NGU-rapport 2014.024.

**Tønnesen, J.F.:** Georadarmålinger for løsmassekartlegging i Vermedalen og Brøstdalen, Rauma kommune. NGU-rapport 2013.023.

## **Byggeråstoffer**

- Erichsen, E.:** Los Angeles-verdi for grus- og pukkkforekomster. Grunnlag for fastsettelse av krav for tilslag til betong. NGU-rapport 2014.050.
- Erichsen, E.:** Bruk av kulemølle og micro-Deval for tilslagsmateriale til vegformål. En vurdering av kravspesifikasjonen. NGU-rapport 2014.040.
- Neeb, P.-R.:** Norway's coastal aggregates. Export 2013 and potential. NGU-report 2014.027.
- Wolden, K.:** Grunnlagsmateriale for regional plan for masseforvaltning i Akershus fylke. NGU-rapport 2014.018.
- Wolden, K., Erichsen, E. & Libach, L.:** Oppdatering av Grus-, pukkk- og steintippdatabasen i Oppland fylke. NGU-rapport 2014.023.
- Aasly, K.A. & Erichsen, E.:** Pukkkforekomster i Nord-Norge. NGU-rapport 2014.013. Confidential

## **Geokjemi**

- Eggen, O.A. & Finne, T.E.:** Geochemical data from Hattfjelldal. NGU-report 2014.053.
- Finne, T.E., Reimann, C. & Eggen, O.A.:** Mineral soil geochemistry in Nord-Trøndelag and Fosen. NGU-report 2014.047.
- Jensen, H.K.B., Plassen, L., Finne, T.E. & Thorsnes, T.:** Miljøgeokjemiske data og dateringsanalyser fra Norskehavet og Tidligere Omstridt Område (TOO) – MAREANO. NGU-rapport 2014.025.

## **Grunnvann og urbangeologi**

- Banks, D., Frank, Y.A., Kadnikov, V.V., Karnachuk, O.V., Watts, M., Boyce, A. & Frengstad, B.S.:** Hydrochemical data report from sampling of two deep abandoned hydrocarbon exploration wells: Byelii Yar and Parabel', Tomsk oblast'. western Siberia, Russian Federation. NGU-report 2014.034.
- Frengstad, B. & Aune, T.:** Det 23. NGU-seminar om hydrogeologi og miljø, 11.-12. mars 2014. "Grunnvann i min kommune". NGU-rapport 2014.012.
- Jæger, Ø. & Frengstad, B.S.:** Landsomfattende mark- og grunnvannsnnett – årsrapport 2012. NGU-rapport 2013.018.
- Seither, A.:** Modelling water content and soil temperature in unsaturated urban deposits at Bryggen, Bergen. NGU-report 2014.041.

## **Maringeologi**

- Bellec, V., Thorsnes, T. & Bøe, R.:** Mapping og bioclastic sediments – data, methods and confidence. NGU-report 2014.006.
- Elvenes, S.:** Landscape mapping in MAREANO. NGU-report 2013.035.

## **Mineralressurser**

- Bjerkgård, T.:** Ny vurdering av potensial for skifer og murestein på gården Helgesplass i Rollag kommune. NGU-rapport 2014.036.
- Korneliussen, A.,** Raaness, A. & Gautneb, H.: Chemical and mineralogical characterisation of carbonate deposits in Norway. NGU-report 2013.055.
- Müller, A.:** Assessment of quartz qualities XVI. NGU-report 2014.014. Confidential.
- Müller, A.:** Mineralogical and chemical characterization of mineral concentrate. NGU-report 2014.045. Confidential.
- Müller, A.:** Mineralogy of industrial mineral processing separates I. NGU-report 2014.037. Confidential.
- Müller, A.:** Mineralogy of industrial mineral processing separates II. NGU-report 2014.038. Confidential.
- Müller, A. & Baranwal, V.C.:** Assessment of quartz qualities XV. NGU-report 2014.011. Confidential.

## **Skred**

- Fischer, L.,** Rubensdotter, L. & Stalsberg, K.: Aktsomhetskart jord- og flomskred: Metodeutvikling og landsdekkende modellering. NGU-rapport 2014.019.
- Hermanns, R.L.,** Liinamaa-Dehls, A., Dehls, J.F. & Oppikofer, T.: 3rd Slope Tectonics Conference – Program and abstract book. NGU-report 2014.030.
- Oppikofer, T.,** Hermanns, R.L. & Sandøy, G.: 3rd Slope Tectonics Conference - Field excursion guide. NGU-report 2014.031.
- Solberg, I.L.,** Dagestad, A. & Dalsegg, E.: 2D resistivitetsmålinger ved Brubakken, Melhus sentrum og Skjerdingsstad i Melhus kommune, Sør-Trøndelag: Data og tolkninger. NGU-rapport 2014.022.

## **Sokkelgeofysikk**

- Brønner, M.,** Gernigon, L. & Nasuti, A.: Lofoten-Vesterålen Aeromagnetic Survey 2011 – LOVAS-11 – Acquisition, processing and interpretation report. NGU-report 2013.060. Confidential.
- Dumais, M.-A.:** Reprocessing and compilation of radiometrics data from Finnmark and northern Troms. NGU-report 2014.015.
- Dumais, M.-A.,** Gernigon, L. & Nasuti, A.: Gravity and magnetic data of the Southeastern Barents Sea: reprocessing report. NGU-report 2014.016. Confidential.
- Gernigon, L.,** Blischke, A., Nasuti, A. & Sand, M.: Conjugate volcanic rifted margins, spreading and micro-continent: Lessons from the Norwegian-Greenland Sea. NGU-report 2014.028. Confidential.
- Maystrenko, Y.P.:** 3D gravity, magnetic and thermal modelling within the northern North Sea and adjacent areas: a COOP Report. NGU-report 2014.026. Confidential.

# EKSTERN PUBLISERING

## *Eksterne rapporter*

### **Byggeråstoff**

**Neeb, P.:** Mineral resources in Norway 2013. Production data and annual report. Direktoratet for mineralforvaltning / Norges geologiske undersøkelse, Publikasjon 2.

**Neeb, P.:** Mineralressurser i Norge 2013. Mineralstatistikk og bergindustriberetning. Direktoratet for mineralforvaltning / Norges geologiske undersøkelse, Publikasjon 1.

### **Maringeologi**

**Eidem, E.J.,** Plassen, L., Fjørtoft, J., Forsmo, V., Halvorsen, H. & Hæger, M.: Seabed sediment sampling outside Trøndelag – cruise report from 2013-DB6 with M/S H.U. Sverdrup II. FFI-rapport 00862.

**Hamre, T.,** Godøy, Ø., Lid Ringheim, S., Tronstad, S., Sagen, H., Fjellheim, K., Østerhus, S., Krogstad, M., Lepland, A., Nordlund, N., Kristiansen, S., Vang, R., Karud, J., Valland, N. & Pfeil, B.: NMDC D3.1 Definition of data formats and metadata structure. Nansen Environmental and Remote Sensing Center (NERSC),

### **Skred**

**Bargel, T.H.,** Midtun, Y., Rubensdotter, L., Sletten, K., Taurisano, A., Wasrud, J. & Yugsi Molina, F.X.: Skredfarekartlegging i Høyanger kommune. Norges vassdrags- og energidirektorat, NVE-Rapport 60.

**Jackson Jr, L.,** Blais-Stevens, A., Hermanns, R., van Zeyl, D.P., Stead, D., Jermyn, C.E., Barrie, J.V., Conway, W.K. & Hetherington, R.: Late glacial and Holocene sedimentation and investigation of fjord tsunami potential in lower Howe Sound, British Columbia. Geological Survey of Canada, Open File 7616.

**Strøm, G.D.,** Øydvin, E.K., Dehls, J.F., Bjordal, H. & Fevang, P.A.: Kartlegging og overvåking av skredfare og infrastruktur ved bruk av radarsatellitter og InSAR-metodikk. NRS-rapport 2.

## **Vitenskapelig publisering**

### **Anvendt geofysikk**

**Rønning, J.S.**, Ganerød, G.V., Dalsegg, E. & Reiser, F.: Resistivity mapping as a tool for identification and characterisation of weakness zones in crystalline bedrock: definition and testing of an interpretational model. *Bulletin of Engineering Geology and the Environment*, 73, 4, 1225-1244.

### **Berggrunnsgeologi**

**Augland, L.E.**, Andresen, A., Gasser, D. & Steltenpohl, M.G.: Early Ordovician to Silurian evolution of exotic terranes in the Scandinavian Caledonides of the Ofoten–Troms area – terrane characterization and correlation based on new U–Pb zircon ages and Lu–Hf isotopic data. *Geological Society, London, Special Publications*, 390, 655-678.

**Brok, E.**, Sales, M., Lefmann, K., Kuhn, L.T., Schmidt, W.F., Roessli, B., Robinson, P., McEnroe, S.A. & Harrison, R.J.: Experimental evidence for lamellar magnetism in hemo-ilmenite by polarized neutron scattering. *Physical Review B*, 89, 5, 054430.

**Bruand, E.**, Gasser, D. & Stuewe, K.: Metamorphic P-T conditions across the Chugach Metamorphic Complex (Alaska)-A record of focussed exhumation during transpression. *Lithos*, 190, 292-312.

**Corfu, F.**, Andersen, T.B. & Gasser, D.: The Scandinavian Caledonides: main features, conceptual advances and critical questions. *Geological Society, London, Special Publications*, 390, 9-43.

**Corfu, F.**, Gasser, D. & Chew, D.M.: New perspectives on the Caledonides of Scandinavia and related areas: introduction. *Geological Society, London, Special Publications*, 390, 1-8.

**Crne, A.E.**, Melezhik, V.A., Lepland, A., Fallick, A.E., Prave, A.R. & Brasier, A.T.: Petrography and geochemistry of carbonate rocks of the Paleoproterozoic Zaonega Formation, Russia: Documentation of C-13-depleted non-primary calcite. *Precambrian Research*, 240, 79-93.

**Engvik, A.K.**, Grenne, T., Lutro, O.J. & Meyer, G.B.: Metamorphic constraints on the Caledonian Upper Allochthon of Central Norway: the Gula Complex staurolite–garnet–kyanite mica schist. *Geological Society, London, Special Publications*, 390, 563-581.

**Engvik, A.K.**, Ihlen, P.M. & Austrheim, H.: Characterisation of Na-metasomatism in the Sveconorwegian Bamble Sector of South Norway. *Geoscience Frontiers*, 5, 5, 659-672.

**Gasser, D.**: The Caledonides of Greenland, Svalbard and other Arctic areas: status of research and open questions. *Geological Society, London, Special Publications*, 390, 93-129.

**Gärtner, C.**, Bahlburg, H., Melezhik, V.A. & Berndt, J.: Dating Palaeoproterozoic glacial deposits of the Fennoscandian Shield using detrital zircons from the Kola Peninsula, Russia. *Precambrian Research*, 246, 281-295.

**Hanski, E.J.**, Huhma, H. & Melezhik, V.A.: New isotopic and geochemical data from the Palaeoproterozoic Pechenga Greenstone Belt, NW Russia: Implication

- for basin development and duration of the volcanism. *Precambrian Research*, 245, 51-65.
- Huber, M.S.**, Crne, A.E., McDonald, I., Hecht, L., Melezhik, V.A. & Koeberl, C.: Impact spherules from Karelia, Russia: Possible ejecta from the 2.02 Ga Vredefort impact event. *Geology*, 42, 5, 375-378.
- Marko, W.T.**, Barnes, C.G., Yoshinobu, A.S., Frost, C.D. & Nordgulen, Ø.: Geology, geochemistry and emplacement conditions of the Vega intrusive complex: an example of large-scale crustal anatexis in north-central Norway. Geological Society, London, Special Publications, 390, 603-631.
- Mattila, J.** & Viola, G.: New constraints on 1.7 Gyr of brittle tectonic evolution in southwestern Finland derived from a structural study at the site of a potential nuclear waste repository (Olkiluoto Island). *Journal of Structural Geology*, 67, 50-74.
- McArthur, K.L.**, Frost, C.D., Barnes, C.G., Prestvik, T. & Nordgulen, Ø.: Tectonic reconstruction and sediment provenance of a far-travelled oceanic nappe, Helgeland Nappe Complex, west-central Norway. Geological Society, London, Special Publications, 390, 583-602.
- Melezhik, V.A.**, Kuznetsov, A.B., Pokrovsky, B.G., Solli, A., Gorokhov, I.M., Fallick, A.E., Lindahl, I., Konstantinova, G.V. & Melnikov, N.N.: Chemostratigraphic insight into deposition of the Melkedalen Marble, Narvik Nappe Complex, North-Central Norwegian Caledonides. *Norwegian Journal of Geology*, 94, 1, 35-52.
- Melezhik, V.A.**, Purohit, R. & Papineau, D.: Comment on "New age constraints for the Proterozoic Aravalli-Delhi successions of India and their implications" by McKenzie et al. [*Precambrian Res.* 238 (2013) 120-128] Discussion. *Precambrian Research*, 246, 319-320.
- Møller, K.**, Schoenberg, R., Grenne, T., Thorseth, I.H., Drost, K. & Pedersen, R.B.: Comparison of iron isotope variations in modern and Ordovician siliceous Fe oxyhydroxide deposits. *Geochimica et Cosmochimica Acta*, 126, 422-440.
- Robinson, P.**, Langenhorst, F., McEnroe, S.A., Fabian, K. & Ballaran, T.B.: Ferroan geikielite and coupled spinel-rutile exsolution from titanohematite: Interface characterization and magnetic properties. *American Mineralogist*, 99, 8-9, 1694-1712.
- Robinson, P.**, McEnroe, S.A., Fabian, K., Harrison, R.J., Thomas, C.I. & Mukai, H.: Chemical and magnetic properties of rapidly cooled metastable ferri-ilmenite solid solutions - IV: the fine structure of self-reversed thermoremanent magnetization. *Geophysical Journal International*, 196, 3, 1375-1396.
- Robinson, P.**, Roberts, D., Gee, D.G. & Solli, A.: A major synmetamorphic Early Devonian thrust and extensional fault system in the Mid Norway Caledonides: relevance to exhumation of HP and UHP rocks. Geological Society, London, Special Publications, 390, 241-270.
- Salminen, P.E.**, Brasier, A.T., Karhu, J.A. & Melezhik, V.A.: Travertine precipitation in the Paleoproterozoic Kuetsjärvi Sedimentary Formation, Pechenga Greenstone Belt, NE Fennoscandian Shield. *Precambrian Research*, 255, Part 1, 181-201.
- Scheiber, T.**, Berndt, J., Mezger, K. & Pfiffner, O.A.: Precambrian to Paleozoic zircon record in the Siviez-Mischabel basement (western Swiss Alps). *Swiss Journal of Geosciences*, 107, 1, 49-64.

- Torgersen, E.** & Viola, G.: Structural and temporal evolution of a reactivated brittle-ductile fault - Part I: Fault architecture, strain localization mechanisms and deformation history. *Earth and Planetary Science Letters*, 407, 205-220.
- Torgersen, E.**, Viola, G., Zwingmann, H. & Harris, C.: Structural and temporal evolution of a reactivated brittle-ductile fault - Part II: Timing of fault initiation and reactivation by K-Ar dating of synkinematic illite/muscovite. *Earth and Planetary Science Letters*, 407, 221-233.
- Vander Auwera, J.**, Charlier, B., Duchesne, J.C., Bingen, B., Longhi, J. & Bolle, O.: Comment on Bybee et al. (2014): Pyroxene megacrysts in Proterozoic anorthosites: Implications for tectonic setting, magma source and magmatic processes at the Moho. *Earth and Planetary Science Letters*, 401, 378-380.
- Xu, G.**, Hannah, J.L., Stein, H.J., Mørk, A., Vigran, J.O., Bingen, B., Schutt, D.L. & Lundschie, B.A.: Cause of Upper Triassic climate crisis revealed by Re-Os geochemistry of Boreal black shales. *Palaeogeography Palaeoclimatology Palaeoecology*, 395, 222-232.
- Zhang, W.**, Roberts, D. & Pease, V.: Detrital zircon age record from the Caledonian nappes in NE Finnmark, northern Norway. *Lithosphere 2014 Symposium*, Turku, Finland, 4th-6th of November, 2014. Report, S-62, 123-126.

## **Byggeråstoffer**

- Dahl, R.**, Heldal, T. & Schiellerup, H.: Klassifikasjonssystem for mineralske ressurser. *Mineralproduksjon*, 5, B1-B6.
- Grenne, T.**, Meyer, G.B. & Heldal, T.: Unravelling the history of a complex millstone quarry landscape: Tolstadkvernberget, South Norway. *AmS-Skrifter*, 24, 209-226.
- Grenne, T.**, Meyer, G.B., Heldal, T., Jansen, Ø.J. & Løland, T.: Technology development in millstone quarrying through the Middle Ages: the Salten quarries, Northern Norway. *AmS-Skrifter*, 24, 227-244.
- Heldal, T.** & Storemyr, P.: Fire on the rocks: heat as an agent in ancient Egyptian hard stone quarrying. In: Lollino, G., Manconi, A., Guzzetti, F., Culshaw, M., Bobrowsky, P. and Luino, F.: *Urban geology, sustainable planning and landscape exploration*, Springer, 291-297
- Prøsch-Danielsen, L.** & Heldal, T.: A local millstone quarry at Nord-Talgje in Southwest Norway: mapping, interpretation and age estimate. *AmS-Skrifter*, 24, 193-208.

## **Geodynamikk**

- Advokaat, E.L.**, van Hinsbergen, D.J.J., Kaymakci, N., Vissers, R.L.M. & Hendriks, B.W.H.: Late Cretaceous extension and Palaeogene rotation-related contraction in Central Anatolia recorded in the Ayhan-Buyukkisla basin. *International Geology Review*, 56, 15, 1813-1836.
- Boschman, L.M.**, van Hinsbergen, D.J.J., Torsvik, T.H., Spakman, W. & Pindell, J.L.: Kinematic reconstruction of the Caribbean region since the Early Jurassic. *Earth-Science Reviews*, 138, 102-136.
- Buiter, S.**: Geodynamics. How plumes help to break plates. *Nature*, 513, 7516, 36-37.

- Buiter, S.J.H.** & Torsvik, T.H.: A review of Wilson Cycle plate margins: A role for mantle plumes in continental break-up along sutures? *Gondwana Research*, 26, 2, 627-653.
- Bull, A.L.**, Domeier, M. & Torsvik, T.H.: The effect of plate motion history on the longevity of deep mantle heterogeneities. *Earth and Planetary Science Letters*, 401, 172-182.
- Domeier, M.** & Torsvik, T.H.: Plate tectonics in the late Paleozoic. *Geoscience Frontiers*, 5, 3, 303-350.
- Gaina, C.**, Medvedev, S., Torsvik, T.H., Koulakov, I. & Werner, S.C.: 4D Arctic: A glimpse into the structure and evolution of the Arctic in the light of new geophysical maps, plate tectonics and tomographic models. *Surveys in Geophysics*, 35, 5, 1095-1122.
- Ganerød, M.**, Wilkinson, C.M. & Hendriks, B.: Chapter 9.4 Geochronology. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: *Tectonostratigraphic atlas of the north-east Atlantic region*, Geological Survey of Denmark and Greenland (GEUS), 253-262
- Ghazian, R.K.** & Buiter, S.J.H.: Numerical modelling of the role of salt in continental collision: An application to the southeast Zagros fold-and-thrust belt. *Tectonophysics*, 632, 96-110.
- Hopper, J.**, Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: *Tectonostratigraphic atlas of the north-east Atlantic region*. 388.
- Kursad, A.**, Huseyin, K., Francis, D. & Ganerød, M.: Petrogenesis of the late Cretaceous K-rich volcanic rocks from the Central Pontide orogenic belt, North Turkey. *Island Arc*, 23, 2, 102-124.
- Osmundsen, P.T.**, Braathen, A., Rød, R.S. & Hynne, I.B.: Styles of normal faulting and fault-controlled sedimentation in the Triassic deposits of Eastern Svalbard. *Norwegian Petroleum Directorate (NPD) Bulletin*, 11, 61-79.
- Peron-Pinvidic, G.**: Chapter 9.4 The Iberian Continental Margin. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: *Tectonostratigraphic atlas of the north-east Atlantic region*, Geological Survey of Denmark and Greenland (GEUS), 316-319
- Peron-Pinvidic, G.**: Chapter 9.4 The Newfoundland Continental Margin. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: *Tectonostratigraphic atlas of the north-east Atlantic region*, Geological Survey of Denmark and Greenland (GEUS), 319-321
- Quinquis, M.E.T.** & Buiter, S.J.H.: Testing the effects of basic numerical implementations of water migration on models of subduction dynamics. *Solid Earth*, 5, 1, 537-555.
- Schöbel, S.**, de Wall, H., Ganerød, M., Pandit, M.K. & Rolf, C.: Magnetostratigraphy and Ar-40-Ar-39 geochronology of the Malwa Plateau region (Northern Deccan Traps), central western India: Significance and correlation with the main Deccan Large Igneous Province sequences. *Journal of Asian Earth Sciences*, 89, 28-45.
- Tate, G.W.**, McQuarrie, N., van Hinsbergen, D.J.J., Bakker, R.R., Harris, R., Willett, S., Reiners, P.W., Fellin, M.G., Ganerød, M. & Zachariasse, W.J.: Resolving spatial heterogeneities in exhumation and surface uplift in Timor-Leste: Constraints on deformation processes in young orogens. *Tectonics*, 33, 6, 1089-1112.

- Tetreault, J.L.** & Buiter, S.: Future accreted terranes: a compilation of island arcs, oceanic plateaus, submarine ridges, seamounts, and continental fragments. (Open access). *Solid Earth*, 5, 2, 1243-1275.
- Torsvik, T.H.**, van der Voo, R., Doubrovine, P.V., Burke, K., Steinberger, B., Ashwal, L.D., Trønnes, R.G., Webb, S.J. & Bull, A.L.: Deep mantle structure as a reference frame for movements in and on the Earth. *Proceedings of the National Academy of Sciences of the United States of America*, 111, 24, 8735-8740.
- Van der Meer, D.G.**, Zeebe, R.E., van Hinsbergen, D.J.J., Sluijs, A., Spakman, W. & Torsvik, T.H.: Plate tectonic controls on atmospheric CO<sub>2</sub> levels since the Triassic. *Proceedings of the National Academy of Sciences of the United States of America*, 111, 12, 4380-4385.

## **Geokjemi**

- Andersson, M.**: Urban basin deposits - the pollution history of Lille Lungegårdsvannet, Bergen. Dissertation, Universitetet i Bergen.
- Andersson, M.**, Klug, M., Eggen, O.A. & Ottesen, R.T.: Polycyclic aromatic hydrocarbons (PAHs) in sediments from lake Lille Lungegårdsvannet in Bergen, western Norway; appraising pollution sources from the urban history. *Science of the Total Environment*, 470, 1160-1172.
- Birke, M.**, Rauch, U. & Reimann, C.: Supporting information for interpretation of geochemical maps. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 102, 93-102
- Birke, M.**, Reimann, C. & Fabian, K.: Analytical methods used in the GEMAS project. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 102, 41-46
- Birke, M.**, Reimann, C., Rauch, U., De Vivo, B., Halamic, J., Volodymyr, K., Gosar, M. & Ladenberger, A.: Distribution of cadmium in European agricultural and grazing land soil. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 103, 89-116
- Demetriades, A.** & Reimann, C.: Mineral deposits of Europe. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 103, 71-78
- Demetriades, A.**, Reimann, C. & Filzmoser, P.: Evaluation of GEMAS project quality control results. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 102, 47-60
- Filzmoser, P.** & Reimann, C.: Multivariate data analysis. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 102, 83-92
- Filzmoser, P.**, Reimann, C. & Birke, M.: Univariate data analysis and mapping. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, *Geologisches Jahrbuch Reihe B*, 102, 67-82

- Glennon, M.M.**, Harris, P., Ottesen, R.T., Scanlon, R.P. & O'Connor, P.J.: The Dublin SURGE Project: geochemical baseline for heavy metals in topsoils and spatial correlation with historical industry in Dublin, Ireland (Open access). *Environmental Geochemistry and Health*, 36, 2, 235-254.
- Haslinger, E.**, Reimann, C. & Birke, M.: A short guide to soil formation and the soils of Europe. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 21-46
- Janik, L.J.**, Forrester, S., Kirby, J.K., McLaughlin, M.J., Soirano-Disla, J.M. & Reimann, C.: Prediction of metal and metalloid partitioning coefficients in soil using mid-infrared diffuse reflection spectroscopy. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 181-188
- Jarva, J.**, Ottesen, R.T. & Tarvainen, T.: Geochemical studies on urban soil from two sampling depths in Tampere Central Region, Finland. *Environmental Earth Sciences*, 71, 11, 4783-4799.
- Kashulina, G.**, de Caritat, P. & Reimann, C.: Snow and rain chemistry around the "Severonikel" industrial complex, NW Russia: Current status and retrospective analysis. *Atmospheric Environment*, 89, 672-682.
- Ladenberger, A.**, Uhlbäck, J., Andersson, M., Reimann, C., Tarvainen, T., Morris, G., Sadeghi, M., Eklund, M. & Filzmoser, P.: Elemental patterns in agricultural and grazing land soil in Norway, Finland and Sweden: What have we learned from continental scale mapping? In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 235-252
- Mann, A.**, Reimann, C., de Caritat, P. & Turner, N.: Mobile metal ion analysis of European agricultural soil. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils. Part B*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 203-232
- Reimann, C.** et al (ed.): *Chemistry of Europe's Agricultural Soils*. Schweizerbart Science Publishers, 2 b. Geologisches Jahrbuch Reihe B, vol. 102-103.
- Reimann, C.**: Sample material, site selection and sampling. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 102, 31-36
- Reimann, C.**: The GEMAS project - concept and background. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 102, 23-26
- Reimann, C.**, Demetriades, A., Birke, M. & Filzmoser, P.: Distribution of elements/parameters in agricultural and grazing land soil of Europe. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of Europe's agricultural soils*, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 102, 103-474
- Reimann, C.**, Demetriades, A., Birke, M. & Schoeters, I.: Discussion. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: *Chemistry of*

Europe's agricultural soils, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 102, 475-498

- Reimann, C. & Kriete, C.:** Trueness of GEMAS analytical results - the ring test. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: Chemistry of Europe's agricultural soils, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 102, 61-66
- Salminen, R.,** Birke, M., Reimann, C., Gregorauskiene, V. & Wang, X.: Distribution of boron, chlorine and fluorine in European topsoil and subsoil (based on samples from the FOREGS project). In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: Chemistry of Europe's agricultural soils. Part B, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 169-180
- Sucharova, J.,** Suchara, I., Hola, M. & Reimann, C.: Contemporary lead concentration and stable lead isotope ratio distribution in forest moss across the Czech Republic. *Applied Geochemistry*, 40, 51-60.
- Tarvainen, T.,** Birke, M., Reimann, C., Ponavic, M. & Albanese, S.: Arsenic anomalies in European agricultural and grazing land soil. In: Reimann, C., Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: Chemistry of Europe's agricultural soils. Part B, Schweizerbart Science Publishers, Geologisches Jahrbuch Reihe B, 103, 81-88

## **Grunnvann og urbangeologi**

- Beylich, A.A. & Decaulne, A.:** Preface: sedimentary fluxes and budgets in different climatic environments. *Geografiska Annaler Series A-Physical Geography*, 96, 4, 431-431.
- Beylich, A.A.,** Gärtner-Roer, I., Decaulne, A. & Morche, D.: Sediment flux and sediment budget studies in cold environments: New approaches and techniques. *Geomorphology*, 218, 1-2.
- Beylich, A.A. & Laute, K.:** Combining impact sensor field and laboratory flume measurements with other techniques for studying fluvial bedload transport in steep mountain streams. *Geomorphology*, 218, 72-87.
- Decaulne, A.,** Eggertsson, O., Laute, K. & Beylich, A.A.: A 100-year extreme snow-avalanche record based on tree-ring research in upper Bødalen, inner Nordfjord, western Norway. *Geomorphology*, 218, 3-15.
- Frengstad, B. & Banks, D.:** Uranium distribution in groundwater from fractured crystalline aquifers in Norway. In: Sharp, J.M.: *Fractured rock hydrogeology*, CRC Press, IAH - Selected papers on hydrogeology, 20, 257-276
- Gaut, S. & Storrø, G.:** Technical quality of Norwegian wells in crystalline bedrock related to groundwater vulnerability. In: Sharp, J.M.: *Fractured rock hydrogeology*, CRC Press, IAH - Selected papers on hydrogeology, 20, 277-290
- Kollerud, R.,** Blaasaas, K., Ganerød, G., Daviknes, H.K., Aune, E. & Claussen, B.: Using geographic information systems for radon exposure assessment in dwellings in the Oslo region, Norway. *Natural Hazards and Earth System Sciences*, 14, 4, 739-749.
- Laute, K. & Beylich, A.A.:** Environmental controls and geomorphic importance of a high-magnitude/low-frequency snow avalanche event in Bødalen, Nordfjord, Western Norway. *Geografiska Annaler Series A-Physical Geography*, 96, 4, 465-484.

- Laute, K.** & Beylich, A.A.: Environmental controls, rates and mass transfers of contemporary hillslope processes in the headwaters, of two glacier-connected drainage basins in western Norway. *Geomorphology*, 216, 93-113.
- Laute, K.** & Beylich, A.A.: Morphometric and meteorological controls on recent snow avalanche distribution and activity at hillslopes in steep mountain valleys in western Norway. *Geomorphology*, 218, 16-34.
- Navas, A.**, Laute, K., Beylich, A.A. & Gaspar, L.: Variations of soil profile characteristics due to varying time spans since ice retreat in the inner Nordfjord, western Norway. *Solid Earth*, 5, 1, 485-498.

## **Kvartærgeologi**

- Goodfellow, B.W.**, Stroeven, A.P., Fabel, D., Fredin, O., Derron, M.-H., Bintanja, R. & Caffee, M.W.: Arctic–alpine blockfields in the northern Swedish Scandes: late Quaternary – not Neogene. *Earth Surface Dynamics*, 2, 2, 383-401.
- Hansen, L.**, Høgaas, F., Sveian, H., Olsen, L. & Rindstad, B.I.: Quaternary geology as a basis for landslide susceptibility assessment in fine-grained, marine deposits, onshore Norway. In: L'Heureux, J.S., Locat, A., Leroueil, S., Demers, D. and Locat, J.: *Landslides in sensitive clays*, Springer, *Advances in Natural and Technological Hazard Research* 36, 369-381
- Larsen, E.**, Fredin, O., Jensen, M., Kuznetsov, D., Lyså, A. & Subetto, D.: Subglacial sediment, proglacial lake-level and topographic controls on ice extent and lobe geometries during the Last Glacial Maximum in NW Russia. *Quaternary Science Reviews*, 92, 369-387.
- Lyså, A.**, Larsen, E., Buylaert, J., Fredin, O., Jensen, M.A., Kuznetsov, D., Murray, A.S., Subetto, D.A. & van Welden, A.: Late Pleistocene stratigraphy and sedimentary environments of the Severnaya Dvina-Vychegda region in northwestern Russia. *Boreas*, 43, 4, 759-779.
- Sauvin, G.**, Lecomte, I., Bazin, S., Hansen, L., Vanneste, M. & L'Heureux, J.: On the integrated use of geophysics for quick-clay mapping: The Hvitvingfoss case study, Norway. *Journal of Applied Geophysics*, 106, 1-13.

## **Maringeologi**

- Baeten, N.J.**, Laberg, J.S., Vanneste, M., Forsberg, C.F., Kvalstad, T.J., Forwick, M., Vorren, T.O. & Haflidason, H.: Origin of shallow submarine mass movements and their glide planes - Sedimentological and geotechnical analyses from the continental slope off northern Norway. *Journal of Geophysical Research-Earth Surface*, 119, 11, 2335-2360.
- Bjarnadottir, L.R.**, Winsborrow, M.C.M. & Andreassen, K.: Deglaciation of the central Barents Sea. *Quaternary Science Reviews*, 92, 208-226.
- Chand, S.**, Knies, J., Baranwal, S., Jensen, H. & Klug, M.: Structural and stratigraphic controls on subsurface fluid flow at the Veslemøy High, SW Barents Sea. *Marine and Petroleum Geology*, 57, 494-508.
- de Groot, L.V.**, Fabian, K., Bakelaar, I.A. & Dekkers, M.J.: Magnetic force microscopy reveals meta-stable magnetic domain states that prevent reliable absolute palaeointensity experiments. *Nature Communications*, 5, 4548.
- Dolan, M.F.J.** & Lucieer, V.L.: Variation and uncertainty in bathymetric slope calculations using geographic information systems. *Marine Geodesy*, 37, 2, 187-219.

- Elvenes, S.**, Dolan, M.F.J., Buhl-Mortensen, P. & Bellec, V.K.: An evaluation of compiled single-beam bathymetry data as a basis for regional sediment and biotope mapping. *ICES Journal of Marine Science*, 71, 4, 867-881.
- Faust, J.C.**: Environmental response to past and recent climate variability in the Trondheimsfjord region, central Norway. A multiproxy geochemical approach. Dissertation, Universitetet i Tromsø
- Faust, J.C.**, Knies, J., Milzer, G. & Giraudeau, J.: Terrigenous input to a fjord in central Norway records the environmental response to the North Atlantic Oscillation over the past 50 years. *Holocene*, 24, 11, 1411-1418.
- Faust, J.C.**, Knies, J., Slagstad, T., Vogt, C., Milzer, G. & Giraudeau, J.: Geochemical composition of Trondheimsfjord surface sediments: Sources and spatial variability of marine and terrigenous components. *Continental Shelf Research*, 88, 61-71.
- Giraudeau, J.**, Renssen, H., Knies, J. & Rousseau, D.-D.: "The changing Arctic and Subarctic environment: proxy- and model-based reconstructions of Holocene climate variability in the northern North Atlantic" Preface. *Climate of the Past*, 10, 2, 589-590.
- Grøsfjeld, K.**, De Schepper, S., Fabian, K., Husum, K., Baranwal, S., Andreassen, K. & Knies, J.: Dating and palaeoenvironmental reconstruction of the sediments around the Miocene/Pliocene boundary in Yermak Plateau ODP Hole 911A using marine palynology. *Palaeogeography Palaeoclimatology Palaeoecology*, 414, 382-402.
- Jakobsson, M.**, Andreassen, K., Bjarnadottir, L.R., Dove, D., Dowdeswell, J.A., England, J.H., Funder, S., Hogan, K., Ingolfsson, O., Jennings, A., Larsen, N.K., Kirchner, N., Landvik, J.Y., Mayer, L., Mikkelsen, N., Møller, P., Niessen, F., Nilsson, J., O'Regan, M., Polyak, L., Norgaard-Pedersen, N. & Stein, R.: Arctic Ocean glacial history. *Quaternary Science Reviews*, 92, 40-67.
- King, E.L.**, Bøe, R., Bellec, V.K., Rise, L., Skardhamar, J., Ferre, B. & Dolan, M.F.J.: Contour current driven continental slope-situated sandwaves with effects from secondary current processes on the Barents Sea margin offshore Norway. *Marine Geology*, 353, 108-127.
- Knies, J.**, Cabedo-Sanz, P., Belt, S.T., Baranwal, S., Fietz, S. & Rosell-Mele, A.: The emergence of modern sea ice cover in the Arctic Ocean. *Nature Communications*, 5, 5608.
- Knies, J.**, Mattingsdal, R., Fabian, K., Grøsfjeld, K., Baranwal, S., Husum, K., De Schepper, S., Vogt, C., Andersen, N., Matthiessen, J., Andreassen, K., Jokat, W., Nam, S. & Gaina, C.: Effect of early Pliocene uplift on late Pliocene cooling in the Arctic-Atlantic gateway. *Earth and Planetary Science Letters*, 387, 132-144.
- L'Heureux, J.**, Longva, O., Hansen, L. & Vanneste, M.: The 1930 Landslide in Orkdalsfjorden: Morphology and Failure Mechanism. In: Krastel, S., Behrmann, J., Völker, D., Stipp, M., Berndt, C., Urgeles, R., Chaytor, J., Huhn, K., Strasser, M. and Harbitz, C.B.: *Submarine Mass Movements and Their Consequences*, Springer International Publishing, *Advances in Natural and Technological Hazards Research*, 37, 239-247.
- Lepland, A.**, Joosu, L., Kirsimaee, K., Prave, A.R., Romashkin, A.E., Crne, A.E., Martin, A.P., Fallick, A.E., Somelar, P., Uepraus, K., Maend, K., Roberts, N.M.W., van Zuilen, M.A., Wirth, R. & Schreiber, A.: Potential influence of sulphur bacteria on Palaeoproterozoic phosphogenesis. *Nature Geoscience*, 7, 1, 20-24.

- Mattingsdal, R.**, Knies, J., Andreassen, K., Fabian, K., Husum, K., Grøsfjeld, K. & De Schepper, S.: A new 6 Myr stratigraphic framework for the Atlantic-Arctic Gateway. *Quaternary Science Reviews*, 92, 170-178.
- Milzer, G.**, Giraudeau, J., Schmidt, S., Eynaud, F. & Faust, J.: Qualitative and quantitative reconstructions of surface water characteristics and recent hydrographical changes in the Trondheimsfjord, central Norway. *Climate of the Past*, 10, 1, 305-323.
- Pathirana, I.**, Knies, J., Felix, M. & Mann, U.: Towards an improved organic carbon budget for the western Barents Sea shelf. *Climate of the Past*, 10, 2, 569-587.
- Pau, M.**, Hammer, O. & Chand, S.: Constraints on the dynamics of pockmarks in the SW Barents Sea: Evidence from gravity coring and high-resolution, shallow seismic profiles. *Marine Geology*, 355, 330-345.
- van Zuilen, M.A.**, Philippot, P., Whitehouse, M.J. & Lepland, A.: Sulfur isotope mass-independent fractionation in impact deposits of the 3.2 billion-year-old Mapepe Formation, Barberton Greenstone Belt, South Africa. *Geochimica et Cosmochimica Acta*, 142, 429-441.

## **Mineralressurser**

- Beurlen, H.**, Thomas, R., da Silva, M.R.R., Müller, A., Rhede, D. & Soares, D.R.: Perspectives for Li- and Ta-Mineralization in the Borborema Pegmatite Province, NE-Brazil: A review. *Journal of South American Earth Sciences*, 56, 110-127.
- Dill, H.G.**, Weber, B., Melcher, F., Wiesner, W. & Müller, A.: Titaniferous heavy mineral aggregates as a tool in exploration for pegmatitic and aplitic rare-metal deposits (SE Germany). *Ore Geology Reviews*, 57, 29-52.
- Fernandes, I.**, Broekmans, M.A.T.M., Ribeiro, M.A., Martins, H. & Sims, I.: Petrographic identification of alkali-reactive aggregates, including siliceous carbonates. In: GEM2014 GeoConference Proceedings: 14th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, STEF92 Technology, 2, 715-722
- Fernandes, I.**, Ribeiro, M., Martins, H., Broekmans, M., Sims, I., Nixon, P. & Noronha, F.: Assessment of concrete aggregate for ASR potential by petrography. The work developed by RILEM TC-ACS (2007–2013). In: Lollino, G., Manconi, A., Guzzetti, F., Culshaw, M., Bobrowsky, P. & Luino, F.: *Engineering geology for society and territory vol. 5*. Springer International Publishing, 37-40.
- Ihlen, P.M.**, Schiellerup, H., Gautneb, H. & Skår, Ø.: Characterization of apatite resources in Norway and their REE potential - A review. *Ore Geology Reviews*, 58, 126-147.
- Müller, A.** & Seltmann, R.: Thematic issue: 150th anniversary of the birth of the Russian scientist Vladimir Ivanovich Vernadsky (1863–1945). *Journal of Geochemical Exploration; Vladimir I. Vernadsky (1863-1945): A tribute to the founder of geochemistry and biogeochemistry on the 150th anniversary of his birthday*, 147, Part A, 1-3.
- Müller, A.**: Viktor Moritz Goldschmidt (1888–1947) and Vladimir Ivanovich Vernadsky (1863–1945): The father and grandfather of geochemistry? *Journal of Geochemical Exploration*, 147, Part A, 37-45.
- Naydenov, K.V.**, Lehmann, J., Saalman, K., Milani, L., Kinnaird, J.A., Charlesworth, G., Frei, D. & Rankin, W.: New constraints on the Pan-African

- Orogeny in Central Zambia: A structural and geochronological study of the Hook Batholith and the Mwembeshi Zone. *Tectonophysics*, 637, 80-105.
- Sadeghi, M.**, Jonsson, E., Kalvig, P., Keulen, N., Goodenough, K., Deady, E., Müller, A., Eliopoulos, D., Cassard, D., Bertrand, G., Vuollo, J., Nysten, P., Bergman, T., Söderhielm, J. & Arvanitidis, N.: Rare earth element resources in Europe and particularly the Nordic countries. *Science Foundation in China*, 22, Suppl., 16-29.
- Schilling, J.**, Reimann, C. & Roberts, D.: REE potential of the Nordkinn Peninsula, North Norway: A comparison of soil and bedrock composition. *Applied Geochemistry*, 41, 95-106.
- Slagstad, T.**, Pin, C., Roberts, D., Kirkland, C.L., Grenne, T., Dunning, G., Sauer, S. & Andersen, T.: Tectonomagmatic evolution of the Early Ordovician suprasubduction-zone ophiolites of the Trondheim Region, Mid-Norwegian Caledonides. *Geological Society of London, Special Publications*, 390, 541-561.
- Snook, B.R.**: Towards exploration tools for high purity quartz: an example from the South Norwegian Evje-Iveland pegmatite belt. PhD thesis, University of Exeter,
- Saalmann, K.** & Laine, E.L.: Structure of the Outokumpu ore district and ophiolite-hosted Cu-Co-Zn-Ni-Ag-Au sulfide deposits revealed from 3D modeling and 2D high-resolution seismic reflection data. *Ore Geology Reviews*, 62, 156-180.
- Saalmann, K.** & Pokki, J.: Aswa structure - a major shear zone in northern Uganda. In: Lehto, T. and Katto, E.: *GTK Consortium Geological Surveys in Uganda 2008-2012. Sustainable management of mineral resources project*, Geological Survey of Finland, Special paper, 56, 334-348
- Westerhof, A.B.P.**, Härmä, P., Isabirye, E., Katto, E., Koistinen, T., Kuosmanen, E., Lehto, T., Lehtonen, M.I., Mäkitie, H., Manninen, T., Mänttari, I., Pekkala, Y., Pokki, J., Saalmann, K. & Virransalo, P.: Geology and geodynamic development of Uganda with explanation of the 1:1,000,000 - scale geological map. *Geological Survey of Finland, Special paper*, 55, 387 pp.
- Westerhof, A.B.P.**, Manninen, T.E., Saalmann, K. & Bakuma, Z.: The Kiruruma tillite and dropstone deposits: Glaciation in the north Kibaran belt of south-west Uganda. In: Lehto, T. & Katto, E.: *GTK Consortium Geological Surveys in Uganda 2008-2012. Sustainable management of mineral resources project*, Geological Survey of Finland, Special paper, 56, 349-360
- Wolf, D.** & Müller, A.: Vladimir I. Vernadsky (1863–1945) and his ‘descriptive mineralogy’. *Journal of Geochemical Exploration; Vladimir I. Vernadsky (1863-1945): A tribute to the founder of geochemistry and biogeochemistry on the 150th anniversary of his birthday*, 147, Part A, 11-15.

## Skred

- Abellan, A.**, Oppikofer, T., Jaboyedoff, M., Rosser, N.J., Lim, M. & Lato, M.J.: Terrestrial laser scanning of rock slope instabilities. *Earth Surface Processes and Landforms*, 39, 1, 80-97.
- Böhme, M.**: Spatial and temporal variability of rock slope instability in western Norway: implications for susceptibility and hazard assessment. PhD thesis. NTNU, 152 s.
- Crosta, G.B.**, Hermanns, R., Frattini, P., Valbuzzi, E. & Valagussa, A.: Large slope instabilities in Northern Chile: inventory, characterization and possible triggers. In: Sassa, K., Canuti, P. & Yin, Y.: *Landslide science for a safer geoenvironment vol. 3*. Springer International Publishing, 175-181.

- Dehls, J.F.**, Lauknes, T.R., Hermanns, R.L., Bunkholt, H., Grydeland, T., Larsen, Y., Eriksen, H.Ø. & Eiken, T.: Use of satellite and ground-based InSAR in hazard classification of unstable rock slopes. In: Sassa, K., Canuti, P. & Yin, Y.: Landslide science for a safer geoenvironment volume 2. Springer International Publishing, 389-392.
- Donohue, S.**, Long, M., L'Heureux, J., Solberg, I., Sauvin, G., Rømoen, M., Kalscheuer, T., Bastani, M., Persson, L., Lecomte, I. & O'Connor, P.: The use of geophysics for sensitive clay investigations. In: L'Heureux, J., Locat, A., Leroueil, S., Demers, D. & Locat, J.: Landslides in sensitive clays. Springer, Advances in Natural and Technological Hazards Research, 36, 159-178.
- Hermanns, R.L.**, Fauque, L. & Wilson, C.G.J.: <sup>36</sup>Cl terrestrial cosmogenic nuclide dating suggests late Pleistocene to early Holocene mass movements on the south face of Aconcagua Mountain and in the Las Cuevas-Horcones Valleys, Central Andes, Argentina (Open access). Geological Society of London, Special Publication, 399, 1-24
- Hermanns, R.L.**, Oppikofer, T., Molina, F.X.Y., Dehls, J.F. & Böhme, M.: Approach for systematic rockslide mapping of unstable rock slopes in Norway. In: Sassa, K., Canuti, P. & Yin, Y.: Landslide science for a safer geoenvironment vol. 3. Springer International Publishing, 129-134.
- Hermanns, R.L.**, Sepúlveda, S.A., Lastras, G., Amblas, D., Canals, M., Azpiroz, M., Bascuñán, I., Calafat, A., Duhart, P., Frigola, J., Iglesias, O., Kempf, P., Lafuerza, S., Longva, O., Micallef, A., Oppikofer, T., Rayo, X., Vargas, G. & Molina, F.Y.: Earthquake-triggered subaerial landslides that caused large scale fjord sediment deformation: combined subaerial and submarine studies of the 2007 Aysén Fjord event, Chile. In: Lollino, G., Manconi, A., Locat, J., Huang, Y. & Canals Artigas, M.: Engineering geology for society and territory vol. 4. Springer International Publishing, 67-70.
- Hermanns, R.**, Oppikofer, T., Roberts, N. & Sandøy, G.: Catalogue of historical displacement waves and landslide-triggered tsunamis in Norway. In: Lollino, G., Manconi, A., Locat, J., Huang, Y. & Canals Artigas, M.: Engineering geology for society and territory vol. 4. Springer International Publishing, 63-66.
- Jackson Jr., L.E.**, Blais-Stevens, A., Hermanns, R.L. & Jermyn, C.E.: Late glacial and Holocene sedimentation and investigation of fjord tsunami potential in lower Howe Sound, British Columbia. In: Lollino, G., Manconi, A., Locat, J., Huang, Y. & Canals Artigas, M.: Engineering geology for society and territory vol. 4. Springer International Publishing, 59-62.
- Roberts, N.J.**, McKillop, R., Hermanns, R.L., Clague, J.J. & Oppikofer, T.: Preliminary global catalogue of displacement waves from subaerial landslides. In: Sassa, K., Canuti, P. & Yin, Y.: Landslide science for a safer geoenvironment vol. 3. Springer International Publishing, 687-692.
- Roberts, N.J.**, Rabus, B., Hermanns, R.L., Guzmán, M., Clague, J.J. & Minaya, E.: Recent landslide activity in La Paz, Bolivia. In: Sassa, K., Canuti, P. & Yin, Y.: Landslide science for a safer geoenvironment vol. 3. Springer International Publishing, 431-437.
- Sandven, R.** & Solberg, I.: Geophysical and geotechnical investigations for a major highway in a quick-clay area. In: L'Heureux, J., Locat, A., Leroueil, S., Demers, D. & Locat, J.: Landslides in sensitive clays, Springer, Advances in Natural and Technological Hazards Research, 36, 205-216.
- Solberg, I.**, Hansen, L., Rønning, J.S. & Dalsegg, E.: Applications of 2D resistivity measurements for quick-clay mapping in Mid Norway. In: L'Heureux, J.S.,

Locat, A., Leroueil, S., Demers, D. & Locat, J.: Landslides in sensitive clays, Springer, Advances in Natural and Technological Hazards Research 36, 179-191.

## **Sokkelgeofysikk**

- Ebbing, J.**, Bouman, J., Fuchs, M., Gradmann, S. & Haagmans, R.: Sensitivity of GOCE gravity gradients to crustal thickness and density variations: case study for the Northeast Atlantic Region. In: Marti, U.: Gravity, geoid and height systems. Springer, International Association of Geodesy Symposia, 141, 291-298.
- Funck, T.**, Hopper, J.R., Fattah, R.A., Blischke, A., Ebbing, J., Erlendsson, Ö., Gaina, C., Geissler, W.H., Gradmann, S., Haase, C., Kimbell, G.S., McDermott, K.G., Peron-Pinvidic, G., Petersen, U., Shannon, P.M. & Voss, P.H.: Crustal structure. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: Tectonostratigraphic atlas of the north-east Atlantic region, Geological Survey of Denmark and Greenland (GEUS), 69-126
- Gernigon, L.**, Brönnner, M., Roberts, D., Olesen, O., Nasuti, A. & Yamasaki, T.: Crustal and basin evolution of the southwestern Barents Sea: From Caledonian orogeny to continental breakup. *Tectonics*, 33, 4, 347-373.
- Haase, C.** & Ebbing, J.: Gravity data. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: Tectonostratigraphic atlas of the north-east Atlantic region, Geological Survey of Denmark and Greenland (GEUS), 29-39
- Kvarven, T.**, Ebbing, J., Mjelde, R., Faleide, J.I., Libak, A., Thybo, H., Flueh, E.R. & Murai, Y.: Crustal structure across the Møre margin, mid-Norway, from wide-angle seismic and gravity data. *Tectonophysics*, 626, 21-40.
- Maystrenko, Y.P.**, Elvebakk, H., Ganerød, G.V., Lutro, O., Olesen, O. & Rønning, J.S.: 2D structural and thermal models in southeastern Norway based on the recently drilled Årvollskogen borehole and 2D density, magnetic and thermal modelling (Open access). *Geothermal Energy*, 2, 15, 1-30.
- Nasuti, A.** & Olesen, O.: Magnetic data. In: Hopper, J., Peron-Pinvidic, G., Stoker, M., Arting, U., Peron-Pinvidic, G., Gaina, C. & Doornenbal, H.: Tectonostratigraphic atlas of the north-east Atlantic region, Geological Survey of Denmark and Greenland (GEUS), 41-52
- Nirrengarten, M.**, Gernigon, L. & Manatschal, G.: Lower crustal bodies in the Møre volcanic rifted margin: Geophysical determination and geological implications. *Tectonophysics*, 636, 143-157.
- Reid, A.B.**, Ebbing, J. & Webb, S.J.: Avoidable Euler errors - the use and abuse of Euler deconvolution applied to potential fields. *Geophysical Prospecting*, 62, 5, 1162-1168.
- Scheck-Wenderoth, M.**, Cacace, M., Maystrenko, Y.P., Cherubini, Y., Noack, V., Kaiser, B.O., Sippel, J. & Bjørn, L.: Models of heat transport in the Central European Basin System: Effective mechanisms at different scales. *Marine and Petroleum Geology*, 55, 315-331.

## **NGU-Lab**

**Fabian, C.,** Reimann, C., Fabian, K., Birke, M., Baritz, R., Haslinger, E. & GEMAS Project Team: GEMAS: Spatial distribution of the pH of European agricultural and grazing land soil. *Applied Geochemistry*, 48, 207-216

## ***Populærvitenskapelig publisering***

- Boyd, R.:** Multi-metal interest in the north. *Mining Journal*, 17. October, 21-24.
- Carstens, H. & Boyd, R.:** Ressursene er ujevnt fordelt. *Geo*, 17, 5, 62-64.
- Elvenes, S.:** The Porsanger fjord: revealing seafloor secrets. *FRAM Forum*, 50-53.
- Erichsen, E., Dahl, R.M., Aasly, K.A., Berge, O. & Hansen, S.E.:** Stein til kommunalt begjær og besvær. *Kommunal Rapport, debatt*, 22. oktober,
- Gautneb, H. & Schiellerup, H.:** Graphite. In: *Minerals in your life, EuroGeoSurveys*, 56-59
- Høgaas, F. & Sveian, H.:** Hovedstrandlinja på Leka: et tydelig istidsminne. *Geo*, 17, 3, 22-25.
- Larsen, E., Mangerud, J. og Svendsen, J.I.:** Field guide for the NORDQUA excursion to Sunnmøre, western Norway, 22-25 September. *Norsk Geologisk Forening*, 48 s.
- Meyer, G.B.:** Mitt geofunn: Kvernsteinsbruddene i Saltdal - fordi de fortjener det! *Geo*, 17, 1, 72.
- Müller, A.:** Urban Mining von elektronischem Abfall – Herausforderungen aus der Sicht eines Geologen. *Sitzungsberichte Leibniz-Sozietät der Wissenschaften, Berlin*, 120, 80-96.
- Olesen, O.:** Strandflaten - et skritt nærmere en løsning på gåten. *Geo*, 17, 5, 48-52.
- Ottesen, R.T.:** Miljøgifter også i ny plast. *Krestsløpet, tidsskrift for avfall og gjenvinning*, 20, 3, 40-41.
- Ottesen, R.T. & Ervik, S.:** Gjenvinningsspøkelser. *Miljørapport 2013*, 16-17.
- Slagstad, T., Bang, S., Coint, N., Harstad, T., Henderson, I., Jourdan, C., Marker, M., Müller, A., Roberts, N., Røhr, T., Schiellerup, H., Sigersvold, A. & Stormoen, M.:** Et imponerende arbeid [Berggrunnskartlegging rundt Knaben i Kvinesdal]. *Geo*, 17, 6, 22-25.
- Smelror, M.:** Et 100 år gammelt diplom. *Geo*, 17, 3, 12-13.
- Smelror, M.:** Rework your interpretations. In: *Cullum, A. & Martinus, A.W.: 52 things you should know about paleontology, Agile Libre*, 90-91
- Solberg, I.L.:** Nasjonal database for grunnundersøkelser (NADAG). *Fjellsprengningsteknikk, bergmekanikk, geoteknikk. Kompendium med foredrag fra konferanse arrangert i Oslo 27.-28. november 2014. 21.1-21.8.*
- Solberg, I.L., Nossum, A.S. & Ryghaug, P.:** Utvikling av nasjonal database for grunnundersøkelser (NADAG). *Kart og Plan*, 74, 3, 166-173.
- Sveian, H. & Høgaas, F.:** Strandlinjer høyt over havet på Leka. *Nord-Trøndelag Historielag Årbok*, 89, 171-180.
- Thjømøe, P.:** Mitt geofunn: Anortositt- og istidslandskap, Brufjell og Roligheten, Vest-Agder. *Geo*, 17, 2, 72.

## **Medieoppslag (aviser, nettaviser, blogg, TV, radio)**

- Björdal, S.:** Verdensrekord på havbunnen – på jakt etter dypvannkoraller med undervannskamera på forskningsfartøyet Seisma i Beitstadfjorden. Lokalavisa Verran Namdalseid 1.10.2014
- Bjørkøy, M.V.:** Bruker tyngdekraften for å finne berggrunnen. Forskning.no 15.09.2014. URL: <http://forskning.no/2014/09/bruker-tyngdekrarten-finne-berggrunnen> [Lesedato: 27.01.2015]
- Bjørkøy, M.V.:** Gull og grønne steiner i Finnmark. Forskning.no 22.09.2014. URL: <http://forskning.no/mineralogi-petrologi-geokjemi/2014/09/gjett-hvorfor-det-skiner-gront-her> [Lesedato: 27.01.2015]
- Bjørkøy, M.V.:** Kartlegger skredfare i Sykkylven. Forskning.no 02.06.2014. URL: <http://forskning.no/kulturlandskap-bergfag-geofag/2014/05/kartlegger-skredfare-i-sykkylven> [Lesedato: 27.01.2015]
- Bjørkøy, M.V.:** Nye svar på gåten om strandflaten. Forskning.no 26.05.2014. URL: <http://forskning.no/fysikk-geofag/2014/05/nye-svar-pa-gaten-om-strandflaten> [Lesedato: 27.01.2015]
- Bjørkøy, M.V. & Yugsi Molina, F.X.:** Skal hindre skredkatastrofer med kamera og laser. Forskning.no 16.10.2014. URL: <http://forskning.no/geofag/2014/10/overvaker-fjellskred-med-fotolinse> [Lesedato: 27.01.2015]
- Bjørkøy, M.V.:** Tror på gruvedrift under vann. Forskning.no 01.05.2014. URL: <http://forskning.no/bergfag-geofag-kommersialisering/2014/04/tror-pa-gruvedrift-under-vann> [Lesedato: 27.01.2015]
- Brandseth, M. & Nilsen, M.A.:** Krigsmateriell i fjorden kan være miljøbombe. Intervju med bl.a. T. Thorsnes, NGU. NRK Trøndelag 12.12.2014. URL: <http://www.nrk.no/trondelag/krigsmateriell-i-fjorden-kan-vaere-miljobombe-1.12098222> [Lesedato: 27.01.2015]
- Brønner, M.:** 4 intervjuer om seismikkskyting i Andfjorden, Andøyposten 24.05, 16.09, 18.09 og 20.09.
- Brønner, M.:** 5 intervjuer om seismikkskyting i Andfjorden. NRK Norland 20.05, 11.09, 18.09, 19.09 og 20.09.
- Bøe, R., Bellec, V., Rise, L. & Tandberg, A.H.:** Geologisk kartlegging av Finnmarkskysten.. Geoforskning.no 22.08.2014. URL: <http://www.geoforskning.no/nyheter/grunnforskning/777-geologisk-kartlegging-av-finnmarkskysten> [Lesedato 27.01.2015]
- Bøe, R. & Longva, O.:** Fenomenet flodbølge. Intervju på NRK God Ettermiddag Trøndelag, 30.01.2014.
- Cadamarteri, F.:** Svært lavt grunnvannsnivå. Intervju med Bjørn Frengstad. Adesseavisen 24.06.2014.
- Carstens, H.:** I forskningens tjeneste. Intervju med Marco Brønner om seismikkprogrammet i Andfjorden. Geo nr. 5, 2014 s. 54-55
- De Beer, H.:** Brakerøya kan synke. Drammensavisa 30.05.2014
- De Beer, H., Hansen, G.S., Harvold, K. & Skogheim, R.:** Beretninger om en varslet katastrofe? Aftenposten #Må vite 12.05.2014. URL: <http://www.aftenposten.no/meninger/debatt/Beretninger-om-en-varslet-katastrofe-7563688.html> [Lesedato: 11.02.2015]
- Dehls, J.F.:** Overvåker hele Norge. NRK Nordnytt 14.04.2014. URL: <http://www.nrk.no/nordnytt/overvaker-hele-norge-1.11666689> [Lesedato: 13.02.2015]

- Edvardsen, L.-K.** & Plassen, L.: Utforsker bunnen i Saltstraumen. Avisen Kyst og fjord nr. 45, november 2014.
- Eriksen, K.F.:** Energibrønner har laget sveitserost av Oslo vest. Intervju med Bjørn Frengstad. Aftenposten 13.04.2014. URL: <http://www.osloby.no/nyheter/Energibrønnene-har-laget-sveitserost-av-Oslo-vest-7535705.html> [Lesedato: 11.02.2015]
- Frengstad, B.:** Jordvarme eller solvarme? Aftenposten Kort sagt, 10.05.2014.
- Frengstad, B.:** Pålagt å melde frå om boringer. Aftenposten Kort sagt, debattinnlegg 25.04.2014.
- Ganerød, G.V.:** Planlegger steinpark på Østmarkneset. Adresseavisen 15.08.2014.
- Hagen, A.:** Tar bilder av Gråfonnfjellet hver 4. time. Intervju med Freddy Yugsi Molina. Åndalsnes Avis 21.10.2014. URL: <http://www.andalsnes-avis.no/nyheter/article10254344.ece> [Lesedato: 13.02.2015]
- Hagen, J.M.:** NGU vil ikkje kritisere fiskernes reaksjoner på seismikk. Intervju med Marco Brønner. Fiskeribladet Fiskaren 23.09.2014.
- Heggdal, K.** & Kleven, R.: Det er sensasjonelt – Skarnsundet i Inderøy i Nord-Trøndelag har tatt verdensrekord i grunnforekomst av øyekorall (reportasje fra Seisma). NRK Trøndelag 02.10.2014. URL: [http://www.nrk.no/trondelag/\\_-deter-sensasjonelt-1.11964371](http://www.nrk.no/trondelag/_-deter-sensasjonelt-1.11964371) [Lesedato: 27.01.2015]
- Helgerud, L.:** Money talks i Andfjorden. Intervju med Marco Brønner. HighNorthNews.com 22.09.2014. URL: <http://www.highnorthnews.com/begynte-skytingen-i-andfjorden/> [Lesedato: 13.02.2015]
- Hundere, T.:** Bærekraftig arealplanlegging og byutvikling på Naturviterforum. Intervju med bl.a. Hans de Beer. Naturviteren nr. 4/14, s. 15-16
- Kirkebøen, H.-E.:** Bjørvika – en kjempe på leirfotter. Intervju med Hans de Beer. Aftenposten 16.06.2014. URL: <http://www.osloby.no/nyheter/byutvikling/Bjorvika--en-kjempe-pa-leirfotter-7605213.html> [Lesedato: 11.02.2015]
- Kirkebøen, H.-E.:** Tømmer holder Oslo flytende. Intervju med Hans de Beer. Aftenposten 22.06.2014. URL: <http://www.osloby.no/nyheter/Tommer-holder-Oslo-flytende-7613713.html> [Lesedato: 11.02.2015]
- Ledang, S.:** Her er kartet som viser resultatet av ekstremvinteren. Grunnvannsnivået i store deler av Midt-Norge har gått fra lavt til svært lavt! Intervju med Øystein Jæger. Fosna-Folket 05.06.2014. URL: <http://www.fosna-folket.no/nyheter/article9772982.ece> [Lesedato: 11.02.2015]
- Lepland, A.** & Pasek, M.: Deposits of phosphorites could be geological signposts of life. Astrobiology magazine news 24.04.2014. URL: <http://www.astrobio.net/news-exclusive/deposits-of-phosphorites-could-be-geological-signpost-of-life/> [Lesedato: 27.01.2015]
- Leonardsen, M.:** Vil tegne bedre kart. O. Longva og B. Davidsen, NGU, presenterer planer om seismikkskyting sommeren 2015. Bladet Vesterålen 04.12.2014. URL: <http://www.blv.no/lokalsider/bo/article7719890.ece> [Lesedato: 27.01.2015]
- Lorentsen, O.:** Klimaforsket på bunnen av Trondheimsfjorden. Intervju med Johan Faust, NGU. Trønder-Avisa 19.09.2014. URL: <http://www.t-a.no/nyheter/article10145990.ece> [Lesedato: 27.01.2015]
- Løvø, G.:** For 500 millioner år siden så Midt-Norge ut som Indonesia. Forskning.no 28.10.2014. URL: <http://forskning.no/geofag/2014/10/500-millioner-ar-siden-sa-midt-norge-ut-som-indonesia> [Lesedato: 27.01.2015]

- Løvø, G.:** Har funnet gammel grense for havis i Arktis. Forskning.no 28.11.2014. URL: <http://forskning.no/2014/11/har-funnet-gammel-grense-havis-i-arktis> [Lesedato: 27.01.2015]
- Løvø, G. & Keiding, M.:** Jordskjelv kan gi oljesvar. Forskning.no 30.06.2014. URL: <http://forskning.no/geofag-jordskjelv-bransje-petroleum/2014/06/jordskjelv-kan-gi-oljesvar> [Lesedato: 27.01.2015]
- Løvø, G.:** Ny satellitt sier fra om skredfare. Forskning.no 13.04.2014. URL: <http://forskning.no/geofag-universet-samferdsel/2014/04/ny-satellitt-sier-fra-om-skredfare> [Lesedato: 27.01.2015]
- Løvø, G.:** Skjell avslører rømt laks. Forskning.no 21.02.2014. URL: <http://forskning.no/fisk-fiskerifag-oppdrett-biologi-okologi/2014/02/skjell-avslorer-romt-laks> [Lesedato: 27.01.2015]
- Løvø, G. & Buitter, S.:** Volcano opened the ocean. ScienceNordic.com. URL: <http://sciencenordic.com/volcano-opened-ocean> [Lesedato: 12.02.2015]
- Løvø, G.:** Vulkan åpnet havet. Forskning.no 08.04.2014. URL: <http://forskning.no/evolusjon-geofag-vulkaner/2014/03/vulkan-apnet-havet> [Lesedato: 27.01.2015]
- Mathiesen, G.:** Finner artene på havbunn-kartet. Intervju med T. Thorsnes, NGU. Forskning.no 04.05.2014. URL: <http://forskning.no/fisk-havforskning-sjodyr-skall-og-bunndyr-geofag/2014/04/finner-artene-pa-havbunn-kartet> [Lesedato: 27.01.2015]
- Mathiesen, G.:** Forskere med eget steinknuseri. Intervju med Eyolf Erichsen og Rolv Dahl. Forskning.no. URL: <http://forskning.no/naturressursforvaltning-bergfag-samferdsel/2014/03/forskerne-med-eget-steinknuseri> [Lesedato: 12.02.2015]
- Nikolaise, K.:** Fjellet under denne bygda kan gi svar om jordskjelv. Intervju med O. Olesen. Lofotposten 22.09.2014
- Nikolaisen, P.-I.:** Frykter byggeboomen i Bjørvika gjør at fundamentene på gamle bygårder råtner. Intervju med Hans de Beer. Teknisk Ukeblad 16.05.2014.
- Nikolaisen, P.-I.:** Her ser Romradaren at bygningene synker. Intervju med John Dehls. Teknisk Ukeblad 19.05.2014. URL: <http://www.tu.no/bygg/2014/05/19/her-ser-romradaren-at-bygningene-synker> [Lesedato: 13.02.2015]
- Olesen, O.:** Strandflaten – ett skritt nærmere en løsning på gåten. Geoforskning.no 29.10.2014. URL: <http://www.geoforskning.no/nyheter/grunnforskning/825-strandflaten-ett-skritt-naermere-en-losning-pa-gaten> [Lesedato: 13.02.2015]
- Olesen, O., Kierulf, H.P., Brønner, M., Dalsegg, E., Fredin, O. & Solbakk, T.:** Når og hvordan ble strandflaten dannet? Geoforskning.no 22.12.2014. URL: <http://www.geoforskning.no/nyheter/grunnforskning/862-nar-og-hvordan-ble-strandflaten-dannet> [Lesedato: 13.02.2015]
- Os, V.:** Fjordbunnen forteller klimaets historie. Intervju med Johan Faust, NGU. UiT nyheter, 17.09.2014. URL: [http://uit.no/nyheter/artikkel?p\\_document\\_id=388832](http://uit.no/nyheter/artikkel?p_document_id=388832) [Lesedato: 27.01.2015]
- Paulsen, I.L.:** Skyter seismikk i Andfjorden. Intervju med Marco Brønner. Harstad Tidende 15.09.2014. URL: <http://www.ht.no/incoming/article10129335.ece> [Lesedato: 13.02.2015]
- Pedersen, B.:** På tokt for å sjekke sand. Intervju med Liv Plassen, NGU. Brønnøysunds Avis 18.05.2014. URL: <http://www.banett.no/nyheter/article9695877.ece> [Lesedato: 27.09.2015]
- Ramberg, A.:** De kartlegger havbunnen i Saltstraumen. Intervju med bl.a. Liv Plassen og O. Longva, NGU. Avisa Nordland 10.09.2014. URL:

- [http://www.nrk.no/trondelag/\\_-det-er-sensasjonelt-1.11964371](http://www.nrk.no/trondelag/_-det-er-sensasjonelt-1.11964371) [Lesedato: 27.01.2015]
- Setså, R.:** Ser bevegelser frå 800 kilometers høyde. Intervju med John Dehls. Geoforskning.no 20.05.2014. URL: <http://www.geoforskning.no/nyheter/geofarer/719-ser-bevegelser-fra-800-kilometers-hoyde> [Lesedato: 13.02.2015]
- Setså, R.:** Vulkanisme trigget havbunnsbredning. Intervju med Susanne Buiters. Geoforskning.no 28.03.2014. URL: <http://www.geoforskning.no/nyheter/grunnforskning/686-vulkanisme-trigget-havbunnsbredning> [Lesedato: 12.02.2015]
- Smelror, M.:** En medrivende kunnskapsreise. Geo365.no 20.11.2014. URL: <http://www.geo365.no/undervisning/en-medrivende-kunnskapsreise/> [Lesedato: 16.02.2015]
- Smelror, M.:** Godt nytt geoforskningsår! Blogg Geoforskning.no 03.01.2014. URL: <http://www.geoforskning.no/blogg/item/godt-nytt-geoforskningsar> [Lesedato: 16.02.2015]
- Smelror, M.:** Grus- og pukkbloggen. Blogg Geoforskning.no 10.03.2014. URL: <http://www.geoforskning.no/blogg/item/grus-pukkbloggen> [Lesedato: 16.02.2015]
- Smelror, M.:** Gruvedrift på månen. Blogg Geoforskning.no 14.02.2014. URL: <http://www.geoforskning.no/blogg/item/gruvedrift-pa-manen> [Lesedato: 16.02.2015]
- Smelror, M.:** Kunnskapsløshet på kartet. Kronikk i Nordlys 15.09.2014.
- Smelror, M., Flier, E. & Nepstad, T.:** Satsing i dyphavet. Kronikk i Aftenposten 20.08.2014.
- Solbakken, M.Aa.:** Skjelsettende forskartokt. Intervju med Sigrid Elvenes, NGU. Firdaposten 27.06.2014. URL: <http://www.firdaposten.no/lokalnytt/article7445829.ece> [Lesedato: 27.01.2015]
- Støren, B.:** Anbefaler kartlegging av Vågsbunnen. Intervju med Hans de Beer. Bergens Tidene 07.08.2014.
- Sundberg, C.:** Her gjør de et sensasjonelt korall-funn. Reportasje fra kartlegging i Skarnsundet med bl.a. Fylkesmannen i Nord-Trøndelag og NGU. Trønder-Avisa 02.10.2014. URL: <http://www.t-a.no/nyheter/article10192331.ece> [Lesedato: 27.01.2015]
- Sørensen, T.M.:** Bedre bilde av botn. Avisintervju med O. Longva, NGU om marine grunnkart på Olex. Bladet Vesterålen 05.12.2014. URL: <http://www.blv.no/nyheter/article7720801.ece> [Lesedato: 27.01.2015]
- Thonhaugen, M.:** Her skjedde det største jordskjelvet i Skandinavia i historisk tid. Intervju med Maria Keiding. NRK Nordland 24.08.2014. URL: <http://www.nrk.no/nordland/frykter-stort-jordskjelv-i-nordland-1.11887407> [Lesedato: 13.02.2015]

## FOREDRAG OG UNDERVISNING

### *Anvendt geofysikk*

- Baranwal, V.C.**, Dalsegg, E., Dretvik, H., Rønning, J.S., Solberg, I. & Tønnesen, J.F.: Delineation of clay layers in a landslide area in Norway using frequency domain helicopter-borne EM survey. EAGE Near Surface Geoscience, Athens, 14-18 September 2014.
- Baranwal, V.C.**, Dalsegg, E., Dretvik, H., Rønning, J.S., Solberg, I. & Tønnesen, J.F.: Helicopter-borne FEM survey to delineate quick-clay layers in a land-slide area from Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Elvebakk, H.** & Rønning, J.S.: Temperaturlogging i dype borehull på Svalbard. Workshop Geotermisk Energi for Svalbard, Longyearbyen, 19.-20. februar 2014.
- Rønning, J.S.**: AT329 Arktisk teknologi: forelesninger og øvinger i georadardel. UNIS, Longyearbyen, Vår 2014.
- Rønning, J.S.**: TGB4200 Ingeniørgeologi - Løsmasser videregående kurs: Seismiske metoder, elektriske metoder og georadar. NTNU, Trondheim, Vår 2014.
- Rønning, J.S.**: TPG4100 Fysikk og geofysikk: forelesninger elektriske og elektromagnetiske metoder. NTNU, Trondheim, Vår 2014.
- Rønning, J.S.**: TPG4120 Mineral-, Miljø- og Ingeiørgeofysikk: forelesninger. NTNU, Trondheim, Høst 2014.
- Rønning, J.S.**, Dalsegg, E. & Ganerød, G.V.: Characterization of fracture zones in bedrock using 2D resistivity profiling. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Rønning, J.S.**, Elvebakk, H. & Dalsegg, E.: Ground and borehole Induced Polarisation measurements at the Nussir copper deposit in Kvalsund, Finnmark. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Rønning, J.S.** & Gautneb, H.: Helicopterborne ElectroMagnetic measurements for graphite mapping in Northern Norway. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Stampolidis, A.**, Rønning, J.S., Ofstad, F., Baranwal, V.C. & Heincke, B.: Airborne Gamma-ray Spectrometry compilation and investigation of leveling discrepancies. EAGE Near Surface Geoscience, Athens, 14-18 September 2014.
- Stampolidis, A.**, Tsokas, G.N., Tsourlos, P.I. & Vargemezis, G.: Edge detection of magnetic sources related with the Philippi Granitoide in N. Greece. EAGE Near Surface Geoscience, Athens, 14-18 September 2014.
- Tassis, G.**, Tsourlos, P., Rønning, J.S. & Dahlin, T.: Detection and characterization of fracture zones in bedrock - Possibilities and limitations. EAGE Near Surface Geoscience, Athens, 14-18 September 2014.
- Tassis, G.**, Tsourlos, P., Rønning, J.S. & Dahlin, T.: Marine ERT modeling for the detection Fracture zones. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.

## ***Berggrunnsgeologi***

- Andresen, A.** & Gasser, D.: The Svalbard Caledonides - a collage of Laurentian, Timanian and exotic terranes assembled by Silurian - Late (?) Devonian transcurrent faulting (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 14503. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-14503.pdf>
- Andresen, A.**, Hauge, K. & Gasser, D.: Extension versus contraction in the East Greenland Caledonides. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Barnes, C.G.**, Coint, N., Barnes, M.A., Cottle, J. & Rämö, O.T.: Batholith evolution in a 40-km-thick accretionary complex, Klamath Mountains, CA. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Barnes, C.G.**, Coint, N., Yoshinobu, A.S., Prestvik, T. & Barnes, M.A.: In situ assimilation tracked by trace element variation in augite: Sausfjellet Pluton, North-Central Norway. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Barnes, C.G.**, Weiss, R.B., Coint, N., Yoshinobu, A.S. & Frost, C.D.: Development of Jurassic arc complexes in the Klamath Mountain province, CA and OR. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Barnes, C.G.**, Yoshinobu, A.S., Yule, D., Barnes, M.A., Cottle, J. & Coint, N.: Modification of arc lower crust: Hf isotope evidence for spatial/temporal changes to sources of Jurassic plutons, Klamath Mountains, CA and OR. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Bingen, B.**: Regional geology course: the Sveconorwegian orogen. 4h course Master 1. University of Uppsala, Spring 2014.
- Bingen, B.**, Viola, G., Yi, K. & Engvik, A.: The case for a mid-crustal channel flow during the Sveconorwegian orogeny? 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Engvik, A.K.**, Bingen, B., Marker, M. & Solli, A.: Sveconorwegian granulite-facies metamorphism in the Kragerø-Bamble area, S Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Engvik, A.K.**, Davidsen, B., Lutro, O., Schiellerup, H. & Tveten, E.: Opx-bearing gneisses of Vesterålen, North Norway; granulite facies metamorphism of an Archean to Palaeoproterozoic complex. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Engvik, A.K.**, Ihlen, P. & Austrheim, H.: Characterization of Na-metasomatism in the Sveconorwegian Bamble Sector of South Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Kjøll, H.J.**, Torgersen, E. & Viola, G.: Caledonian shortening by combined folding and thrusting in the immediate footwall of the Caledonian sole thrust: The example of the Repparfjord Tectonic Window, northern Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 4368. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-4368.pdf>
- McEnroe, S.**, Robinson, P. & Church, N.: The influence of phase interphases in magnetic minerals on the nature of magnetic anomalies. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- McEnroe, S.A.** & Robinson, P.: Magnetic minerals, phase interfaces and magnetic anomalies. Australian Earth Science Convention, Newcastle, Australia, 7-10 July 2014.

- McEnroe, S.A.** & Robinson, P.: Magnetism at depth: Magnetic properties of granulite facies rocks and rocks exhumed from the eclogite facies (>120km). What do their properties tell us about magnetization in the deep crust? 14th Castle Meeting - New trends on Paleo, Rock and Environmental Magnetism, Evora, Portugal, 31. August - 6. September 2014.
- Nordgulen, Ø.:** NGU's role, vision and responsibility. Workshop, Centre for Earth Evolution and Dynamics (CEED), Oslo, 14 May 2014.
- Nordgulen, Ø.:** NGUs rolle i skredkartleggingen. Vegdirektoratet, Trondheim, 27. mai 2014.
- Petrov, O.V.** & Smelror, M.: Uniting the Arctic. Open Arctic - International Scientific section, Moscow, 21 November 2014.
- Petrov, O.V.** & Smelror, M.: Uniting the Arctic - 10 years of international cooperation on Circum-Arctic geological and geophysical maps. NORRUSS Norway-Russia - Research Cooperation and Development in the High North, Oslo, 19-20 november 2014.
- Robinson, P.:** Pentti Eskola – a personal outlook. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Robinson, P.** & Griffin, W.L.: Pre-Cretaceous basement of Chatham Island: Stratigraphy, deformation, metamorphism, age and crustal heritage. Australian Earth Science Convention, Newcastle, Australia, 7-10 July 2014.
- Robinson, P.,** McEnroe, S.A., Brown, L.B., Heidelbach, F. & Langenhorst, F.: The Heskestad anomaly of the Bjerkreim-Sokndal Layered Intrusion, Norway: Tracking the source of extreme magnetic remanence. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Robinson, P.** & McEnroe, S.A.: Peculiarities and problems in remanent magnetization of rhombohedral Fe-Ti oxides. Australian Earth Science Convention, Newcastle, Australia, 7-10 July 2014.
- Robinson, P.,** McEnroe, S.A., Fabian, K. & Harrison, R.: Lamellar magnetism in the rhombohedral oxides: How does it work? 14th Castle Meeting - New trends on Paleo, Rock and Environmental Magnetism, Evora, Portugal, 31. August - 6. September 2014.
- Robinson, P.,** Roberts, D., Solli, A. & Gee, D.G.: Early Devonian origin and exhumation of HP and UHP rocks in the Mid-Norway Caledonides: linkage to a recently recognized synmetamorphic extensional detachment and out-of-sequence thrust. GSA Penrose Conference, Asheville, North Carolina, 30 March - 4 April 2014.
- Scheiber, T.,** Viola, G., Peters, M., Bingen, B. & Henderson, I.: Multiple reactivation of a crustal-scale weakness zone - the Sveconorwegian Sokna-Saggrenda tectonic contact of southern Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 10075. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-10075-2.pdf>
- Seaman, K.,** Hollocher, K., Robinson, P. & Walsh, E.: Metamorphosed plutonic rocks of the Scandian Upper Allochthon, coastal mid Norway, intrusive roots of an Ordovician – earliest Silurian calc-alkaline arc. GSA Northeastern section 49th Annual Meeting, Lancaster, Pennsylvania, 23-25 March 2014.
- Smelror, M.:** A century of Norwegian-Russian geoscientific cooperation. NORRUSS Norway-Russia - Research Cooperation and Development in the High North, Oslo, 19-20 November 2014.
- Smelror, M.:** Uniting the Arctic. Current state and prospects of work development under the international projects for the study of geological structure and

evaluation of mineral resources potential in the largest regions of the World. VSEGEI, St. Petersburg, 22 August 2014.

- Svendby, A.K.:** Feirings historie gjennom 500 millioner år. Geologiens Dag, Feiring, Eidsvoll, 14. september 2014.
- Svendby, A.K.,** Osmundsen, P.T., Andresen, A. & Andersen, T.: Deformation and sedimentation in constrictional supradetachment basins: the Kvamshesten basin, western Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16011. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16011-1.pdf>
- Torgersen, E.,** Sandstad, J.S., Viola, G. & Melezhik, V.: Paleoproterozoic sediment-hosted Cu-deposits in western Finnmark, northern Norway. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Torgersen, E. & Viola, G.:** How does a brittle-ductile fault nucleate and grow in dolostone? A lesson learnt from a structural, geochemical and K-Ar chronological study of a reactivated Paleozoic thrust fault. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Torgersen, E. & Viola, G.:** Architecture of a dolostone-hosted brittle-ductile fault: effects of the interplay between weakening and strain localization mechanisms. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11287. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11287-2.pdf>
- Viola, G. & Mattila, J.:** Unraveling the Brittle History of Cratonic Areas Reveals the Profound Mechanical Instability of "Stable" Shields. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Viola, G. & Mattila, J.:** How stable are the 'stable ancient shields'? EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 10120. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-10120.pdf>
- Zhang, W.,** Roberts, D. & Pease, V.: Detrital zircon U-Pb analysis of Timanian passive-margin successions and Caledonian nappes in northern Norway and significance for Arctic reconstructions. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 7063. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-7063.pdf>

## **Byggeråstoffer**

- Dahl, R.:** Current and future consumption and supply of building materials in Norway. COIN (Concrete innovation Centre) seminar, Stavanger, 21. October 2014.
- Dahl, R.:** Lofoten blir til - en geologisk reise i tid og rom. Mineraler og malm i Lofoten, Lofoten regionråd, Leknes, 20. november 2014.
- Dahl, R.:** Mineralressurser i Trøndelag. Forum for natur og friluftsliv, seminar om mineralutvinning, Suhmhuset, Trondheim, 1. februar 2014.
- Dahl, R.:** Slik ble Lofoten til. Forskningsdagene i regi av Universitetet i Nordland, Reine i Lofoten, 24.-26. september 2014.
- Dahl, R.:** Veien videre. Norsk nasjonal komité for geoarv og geoparker: Workshop om Geologisk Mangfold, NGU, Trondheim, 16.-17. juni 2014.
- Dahl, R. & Erichsen, E.:** Mineralske ressurser i Hordaland. Plan-nettverksmøte arrangert av Hordaland fylkeskommune, Bergen, 16. januar 2014.

- Heldal, T.:** Killing the myths: a geological view on ancient stone quarrying technology. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Heldal, T.:** Kortreiste mineraler/naturstein. Norsk Bergindustri miljøkonferanse, Clarion Hotel, Gardermoen, 13.-14. november 2014.
- Heldal, T.:** Norge: regjeringens mineralstrategi. Framtidens Gruv och Mineralindustri, Stockholm, 27.-28. januar 2014.
- Heldal, T.:** Ny framtid for bergverksnæringen til lands og til havs. Norges Tekniske Vitenskapsakademi, møte, Oslo, 29. oktober 2014.
- Heldal, T. & Meyer, G.:** Assessment of ancient stone quarry landscapes as heritage sites. XII International IAEG Congress, Torino, 15-18 September 2014.
- Heldal, T., Meyer, G., Grenne, T. & Willemoes-Wissing, B.:** Mineralogy of Norwegian millstones. Tilting at Mills: 5th International colloquium on the archaeology and geology of mills and mining, Almeria, Spain, 5-8 March 2014.
- Heldal, T. & Sandstad, J.S.:** MINN og MINS: NGUs kartlegging av mineralressurser. GeoNor, Mo i Rana, 30.-31. januar 2014.
- Heldal, T. & Storemyr, P.:** Fire on the rocks: heat as an agent in ancient Egyptian hard stone quarrying. XII International IAEG Congress, Torino, 15-18 September 2014.
- Jurus, A.:** Database for geologisk mangfold. Ungeo-konferansen, NGU, Trondheim, 21. mars 2014.
- Jurus, A.:** Vernekriterier for geosteder i Norge. Hva har vi og hva kan vi gjøre? Norsk nasjonal komité for geoarv og geoparker: Workshop om Geologisk Mangfold, NGU, Trondheim, 16.-17. juni 2014.
- Libach, L.:** 3D modelling of gravel deposits. Ungeo-konferansen, NGU, Trondheim, 21. mars 2014.
- Libach, L.:** Besøk på NGU og geologisk tur langs Ladestien for Sjetne Barnehage. NGU, Trondheim, 19. mai 2014.
- Libach, L.:** Introduksjon til grus- og pukkdatabasen for Byåsen vgs. NGU, Trondheim, 25. mars 2014.
- Meyer, G.:** The inner life of millstones: 1200 years of quarrying dissected by provenance studies. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Tangstad, R.:** Om NGU og mekanisk testing. Foredrag for Stjørdal tekniske fagskole, NGU, Trondheim, 17. november 2014.
- Wolden, K.:** Betongtilslag - ressursituasjonen i Norge i dag. Hva med fremtiden? Norsk Betongforenings Sørlandsgruppe: Betongkvelden, Kristiansand, 20. november 2014.
- Wolden, K.:** Dannelse av Rørosmalmene. Kurs i fyrsetting. AOF og Olavsgruvas venner, Røros, 22.-23. august 2014.
- Wolden, K.:** Geologi og gruvehistorie ved Rugldalen og Muggruva. Vandring i regi av Fjøsakademiet, Røros, 1. juli 2014.
- Wolden, K.:** Geologiundervisning 5. trinn. Os skole, Røros, 20.-21 august 2014.
- Wolden, K.:** Geologiundervisning 5. trinn. Røros skole, Røros, 7.-8. oktober 2014.
- Wolden, K.:** Guidekurs geologi. Rørosmuseet, 24. mai 2014.
- Wolden, K.:** Oppdrag og utredninger ved NGU. Prosjektgruppemøte, Masseforvlatning i Akershus, Oslo, 4. april 2014.
- Wolden, K.:** Planlegging og drift av massetak. Fagdag for kommunene i Oppland, Lillehammer, 10. desember 2014.

- Wolden, K.:** Ressurssituasjonen i Akershus. Halvdagskonferanse om masseforvaltning, Akershus fylkeskommune, Oslo, 25. februar 2014.
- Wolden, K.:** Røragen Devonfelt. Geologiens Dag, Røros, 14. september 2014.
- Wolden, K.:** Spor etter istida. Vandrings i Kvitsanden. Familiedag ved Femundsmarka nasjonalparksenter, Røros, 22. juni 2014.
- Aasly, K.A.:** Norske natursteinsforekomster. Norsk Bergindustri miniseminar om naturstein, NGU, Trondheim, 19. november 2014.
- Aasly, K.A. & Meyer, G.:** The Masi Quartzite. 5th Global Stone Congress, Antalya, Turkey, 22-25 October 2014.
- Aasly, K.A. & Meyer, G.:** Masi Quartzite, quality and occurrence. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.

## **Geodynamikk**

- Bochman, L., van Hinsbergen, D., Torsvik, T., Spakman, W. & Pindell, J.:** Kinematic reconstruction of the Caribbean region since the Early Jurassic (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6829. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6829-1.pdf>
- Buiter, S.:** A discussion of margin width in numerical models of rifted passive margins (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16599. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16599.pdf>
- Buiter, S.:** Forelesninger i kurs GEO4630 Geodynamikk. Universitetet i Oslo, november 2014.
- Buiter, S.:** How surface processes affect the syn-rift evolution of passive continental margins. 10th TopoEurope Workshop, Barcelona, Spain, 17-19 September 2014.
- Buiter, S.:** Modelling the initiation and syn-rift evolution of passive margins. ETH, Zürich, Switzerland, 21 March 2014.
- Buiter, S., Tetreault, J. & Ghazian, R.K.:** Initial models of the influence of collision-phase inheritance on continental rifting. GeoMod2014, Potsdam, Germany, 31 August - 5 September 2014.
- Bull, A., Domeier, M. & Torsvik, T.:** The effect of plate motion history on the longevity of deep mantle heterogeneities. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 3701. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-3701.pdf>
- Domeier, M. & Torsvik, T.:** Plate Tectonics in the Late Paleozoic (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 4218. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-4218.pdf>
- Ganerød, M.:** Teknologi og forskning. Forelesning på Byåsen videregående skole, Trondheim, 3-6 november 2014.
- Lundin, E., Redfield, T. & Peron-Pinvidic, G.:** Rifted continental margins: geometric control on crustal architecture and melting (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16471. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16471.pdf>
- Lundin, E., Redfield, T. & Peron-Pinvidic, G.:** Rifted continental margins: geometric influence on crustal architecture and melting. 33rd Annual GCSSEPM Foundation Bob F. Perkins Conference, Houston, Texas, 26-28 January 2014.

- Naliboff, J. & Buitter, S.:** Evolution of lithospheric deformation during multi-phase extension. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 10482. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-10482.pdf>
- Osmundsen, P.T., Peron-Pinvidic, G., Ebbing, J. & Erratt, D.:** Deep structure of hyperextended basins offshore Norway. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16584. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16584.pdf>
- Peron-Pinvidic, G., Osmundsen, P.T. & Erratt, D.:** New observations and interpretations of the Rån Ridge at the mid-Norwegian rifted margin (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16463. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16463.pdf>
- Redfield, T., Hermanns, R.L., Oppikofer, T., Yugsi Molina, F.X., Osmundsen, P. & Sepulveda, S.:** What can we learn for seismic hazard in Scandinavia from medium magnitude earthquakes in the Chilean fjord land? 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 50.
- Redfield, T. & Osmundsen, P.T.:** How the architecture of hyperextension controls the source of passive margin sediments: an example from the Norwegian Sea. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Redfield, T. & Osmundsen, P.T.:** The long-term topographic response of a continent adjacent to an hyperextended margin: A review of some known knowns and a few known unknowns. Arctic Days Conference, Tromsø, 3-4 June 2014.
- Redfield, T. & Osmundsen, P.T.:** Post-breakup topographic rejuvenation of passive margins is directly related to the architecture of hyperextension (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6714. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6714.pdf>
- Smethurst, M.A., Watson, R.J., Baranwal, V.C., Rudjord, A.L. & Finne, I.:** The predictive power of airborne gamma ray survey data on the locations of domestic radon hazards in Norway: a strong case for utilising airborne data on large-scale radon hazard assessment. 12th International Workshop on the Geological Aspects of Radon Risk Mapping, Prague, Czech Republic, 16-18 September 2014.
- Steinberger, B., Spakman, W., Japsen, P. & Torsvik, T.:** The key role of global solid-Earth processes in the onset of Northern Hemisphere glaciations, EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2708. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2708.pdf>
- Tetreault, J. & Buitter, S.:** Numerical experiments on the influence of melt and serpentinization on passive margin structure (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 9813. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-9813.pdf>
- Torsvik, T.:** Deep mantle structure as a reference frame for absolute plate motions. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Torsvik, T.:** Dynamic topography and sea level change inferred from dipole and quadrupole moments of plate tectonic reconstructions. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Torsvik, T.:** Supercontinent breakup and the deep earth. AGU Fall Meeting, San Francisco, 15-19 December 2014.

- van der Meer, D.**, Zeebe, R., van Hinsbergen, D., Sluijs, A., Spakman, W. & Torsvik, T.: Plate tectonic controls on atmospheric CO<sub>2</sub> levels since the Triassic. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2741. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2741.pdf>
- Van Zelst, I.**, Thieullot, C., Buitter, S. & Naliboff, J.: The role of weak seeds in numerical modelling of continental extensional systems. GeoMod2014, Potsdam, Germany, 31 August - 5 September 2014.
- Watson, R.J.**, Ganerød, G.V., Erichsen, E., Finne, T.E., Neeb, P.R., Rønning, J.S. & Tangstad, R.: Radon from building materials – A procedure for reducing risk by monitoring at source. NordMin Workshop on natural construction materials, NGU, Trondheim, 18-19 November 2014.
- Watson, R.J.**, Ganerød, G.V., Erichsen, E., Finne, T.E., Neeb, P.R., Rønning, J.S. & Tangstad, R.: Radon from Building materials – Reducing risk by monitoring at source. 12th International Workshop on the Geological Aspects of Radon Risk Mapping, Prague, Czech Republic, 16-18 September 2014.
- Watson, R.J.**, Smethurst, M.A., Ganerød, M., Finne, I. & Rudjord, A.L.: A national radon hazard map of Norway based on geology and indoor radon. 12th International Workshop on the Geological Aspects of Radon Risk Mapping, Prague, Czech Republic, 16-18 September 2014.

## **Geokjemi**

- Batista, M.J.**, Filipe, A. & Reimann, C.: GEMAS - Tin and Tungsten: possible sources of enriched concentrations in soils in European countries (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16153. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16153-1.pdf>
- Birke, M.**, Reimann, C., Demetriades, A., Dinelli, E., Halamić, J., Rauch, U., Gosar, M., Ladenberger, A., Klos, V. & De Vivo, B.: GEMAS: Geochemical Distribution of Cadmium in European Soil. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 3560. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-3560-9.pdf>
- Demetriades, A.**, Birke, M., Reimann, C., Mann, A. & Kaminari, M.: GEMAS: Geochemical distribution of thallium in European soil (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 7158. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-7158-4.pdf>
- Demetriades, A.**, Reimann, C., Birke, M., Mann, A., Eilu, P., De Vivo, B., Cicchella, D., Kaminari, M. & Rothenbacher, K.: GEMAS: Geochemical distribution of precious metals in European soil (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11250. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11250.pdf>
- Dinelli, E.**, Birke, M., Reimann, C., Demetriades, A., De Vivo, B., Flight, D., Ladenberger, A., Albanese, S., Cicchella, D. & Lima, A.: GEMAS: issues from the comparison of aqua regia and X-ray fluorescence results (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 12920. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12920.pdf>

- Eggen, O.A.:** Forelesninger, praktisk del kurs KJ3071 - anvendt kjemi. NTNU, Trondheim, høst 2014.
- Filzmoser, P.,** Reimann, C. & Birke, M.: Statistical aspects when analyzing geochemical compositions. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 4195. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-4195.pdf>
- Flem, B.:** Introduksjonskurs: Sector field high resolution inductive coupled plasma mass spectroscopy and laser ablation - software and application. Veterinærinstituttet, seksjon for miljø og smittetiltak, Trondheim, høst 2014.
- Jensen, H.K.B. &** Boitsov, S.: Geokjemiske studier av sedimenter innsamlet under MAREANO-programmet. Fellesseminar Vannforeningen og Miljøringen "Forurensning fra land til hav - utfordringer, erfaringer og løsninger", Trondheim, 11.-12. november 2014.
- Ladenberger, A.,** Sadeghi, M., Demetriades, A., Reimann, C., Birke, M., Andersson, M. & Jonsson, E.: GEMAS: Concentrations and origin of indium in agricultural soil of Europe. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13278. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13278-2.pdf>
- Ladenberger, A.,** Uhlbäck, J., Andersson, M., Reimann, C., Tarvainen, T., Sadeghi, M., Morris, G. & Eklund, M.: GEMAS: The Fennoscandian perspective (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 12515. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12515.pdf>
- Négre, P.,** Sadeghi, M., Ladenberger, A., Birke, M. & Reimann, C.: Geochemical fingerprinting and source discrimination in soils at the continental scale (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 5914. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-5914.pdf>
- Ottesen, R.T.:** Forelesninger, kurs KJ3071 - anvendt kjemi. NTNU, Trondheim, høst 2014.
- Ottesen, R.T.:** Forurensninger i overvann. VA-dagene på Vestlandet, Haugesund, 10.-11. september 2014.
- Ottesen, R.T.:** Gjenvinningsspøkelset. Gjesteforelesning NVE, Oslo, 5. mai 2014.
- Ottesen, R.T.:** Hva gjør NGU? Seksjonsforedrag på Miljødirektoratet, Trondheim, 29. september 2014.
- Ottesen, R.T.:** Hvordan håndtere forurenset byjord. Avfall Norge Deponiseminar, Radisson Blu, Gardermoen, 22. oktober 2014.
- Ottesen, R.T.:** Ingenting blir borte vekk - hva skjer med miljøgiftene i det korte og lange løp? Er det farlig? Miljøgifter i hverdagen, Stavanger kulturhus, 4. juni 2014.
- Ottesen, R.T.:** Kvikksølv i europeisk landbruksjord. Gjesteforelesning NTNU, Trondheim, 15. januar 2014.
- Ottesen, R.T.:** Miljøgifter i EE-avfall. NGU-dagen, NGU, Trondheim, 7. februar 2014.
- Ottesen, R.T.:** Miljøgifter i vår hverdag. Foredrag for Partiet Rødt, Trondheim, 12. mai 2014.
- Ottesen, R.T.:** Miljøgifter i vår hverdag. Oslo Geofysiske forening, Oslo, 20. mai 2014.
- Ottesen, R.T.:** Miljøgifter i vår hverdag. Trondheim kommune, 20. april 2014.
- Ottesen, R.T.:** Reisebrev fra Kirgisistan. HiST, Trondheim, 12. september 2014.

- Ottesen, R.T.:** Urban mining. RENAS, Oslo, 15. mars 2014.
- Ottesen, R.T.,** Birke, M., Gosar, M. & Reimann, C.: GEMAS: Mercury in European agricultural and grazing land soils - sources and environmental risk. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6424. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6424.pdf>
- Reimann, C.,** Négrel, P., Flem, B., Fabian, K., Birke, M., Ladenberger, A. & Hoogewerff, J.: GEMAS: a new view of the lead isotopic soil landscape at the European continental scale (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6528. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6528.pdf>
- Reimann, C.:** Challenges for compositional data in geochemical mapping. GeoMap Workshop, Olomouc, Czech Republic, 16-20 June 2014.
- Reimann, C. & Birke, M.:** Does low density geochemistry (1 site/2500 km<sup>2</sup>) deliver relevant information for explorationists? BGR, Hannover, 18. March 2014.
- Reimann, C.,** Birke, M., Demetriades, A. & Banks, D.: A continental-scale survey of the geochemistry of bottled water. MinWat2014: International Multidisciplinary Conference on Mineral Waters, Karlovy Vary, Czech Republic, 8-11 September 2014.
- Reimann, C.,** Birke, M., Demetriades, A., Filzmoser, P. & O'Connor, P.: GEMAS: Geochemical Mapping of the agricultural and grazing land soils of Europe. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6089. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6089.pdf>
- Smith, D.,** Woodruff, L., Reimann, C. & Flem, B.: Variations in Pb concentrations and Pb-isotope ratios in soils collected along an east-west transect across the United States (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6594. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6594.pdf>
- Tarvainen, T.,** Reimann, C., Albanese, S., Birke, M., Poňavič, M. & Ladenberger, A.: European GEMAS mapping of agricultural soils: Arsenic results (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 14356. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-14356-1.pdf>

## ***Grunnvann og urbangeologi***

- Beylich, A.A.:** Monitoring of Sedimentary Fluxes in Cold Environments: The SEDIBUD (Sediment Budgets in Cold Environments) Programme (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2769. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2769.pdf>
- Beylich, A.A. & Laute, K.:** Spatio-temporal variability and rates of fluvial bedload transport in steep mountain catchments in western Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2156. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2156.pdf>
- Beylich, A.A.,** Laute, K. & Liermann, S.: Controls of Holocene to contemporary sedimentary source-to-sink fluxes in valley-fjord systems in western Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical

Research Abstracts, 16, 4007. URL:

<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-4007.pdf>

- Beylich, A.A.**, Laute, K. & Liermann, S.: Sedimentary source-to-sink fluxes in valley-fjord systems in western Norway (Poster). 8<sup>th</sup> SEDIBUD Workshop, Zugspitze, Bavaria, 1-4 September 2014.
- Boogaard, F.C.**, De Beer, J., Revier, J. & De Boer, E.: Coastal climate change adaptation in existing urban areas, lessons learned from Dutch and Norwegian Pilots. 12th Coastal Conference "Littoral 2014: Facing present and future coast challenges", Klaipeda, Lithuania, 22-26 Spetember 2014.
- Boogaard, F.C.**, Lucke, T., Sommer, J., De Beer, J., Van de Giesen, N.C. & Van de Ven, F.H.M.: Lessons learned from over two decades of global swale use. 13th International Conference on Urbane Drainage, Sarawak, Malaysia, 7-12 September 2014.
- Dagestad, A.**: Geologien i min kommune - en ny digital informasjonsportal fra NGU. Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 16.
- Dagestad, A.**, Haugen, L.E., Kværner, J., Gunnarsdottir, H. & Frengstad, B.: Groundwater index – a Norwegian approach to cope with limited data in characterising groundwater bodies under the GWD. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- De Beer, J.**: Bedre forståelse og bruk av byens undergrunn. Norges forskningsråd: Joint Program Initiative Urban Europe, Oslo, 8. april 2014.
- De Beer, J.**: Geologi møter geoteknikk. Utvikling av 3D modeller til forundersøkelser og prosjektering. Teknologidagene, Geofuture, Trondheim, 8. oktober 2014.
- De Beer, J. & Campbell, D.S.**: COST Action TU1206 Sub-Urban – A European network to increase the understanding and use of the ground beneath our cities. COST Action TU1204 workgroup 5 City Sounding Board meeting, Norwegian Centre for Design and Architecture, Oslo, 15. oktober 2014.
- De Beer, J. & Campbell, D.S.**: COST Action TU1206 Sub-Urban – A European network to increase the understanding and use of the ground beneath our cities. CUSP (Center for Urban Science and Progress) International Conference, Glasgow, 30. May 2014.
- De Beer, J. & Campbell, D.S.**: COST Action TU1206 Sub-Urban – Increase the understanding and sustainable use of the ground beneath our cities. COST (European Cooperation in Science and Technology) Conference: The Cities of Tomorrow, Torino, Italy, 17-19 September 2014.
- De Beer, J. & Gillow, J.**: Verdiskaping i bunn og grunn. Grunnvannsproblematikk i Vågsbunnen, Bergen. Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 15.
- De Beer, J.**, Sandkjær Hansen, G., Harvold, K. & Skogheim, R.: Beretninger om en varslet katastrofe? Naturviterforum "Veien til bærekraftig arealplanlegging", Drammen, 13. november 2014.
- Frengstad, B.**, Jæger, Ø. & Storrø, G.: Landsomfattende mark- og grunnvannsnett. Endringer i grunnvannskjemi ved Birkenes (Poster). Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 29.

- Ganerød, G.V.:** Indre og ytre krefter: platetektonikk, fjellkjededannelse, magnetfelt, rekonstruksjon av platebevegelse, datering og eroderende prosesser. Undervisning, Stokkan ungdomsskole, Stjørdal, 12.-13. november 2014.
- Ganerød, G.V.:** Undervisning: kartoppgave om skredgrop pga kvikkleire. GIS-dagen i regi av GeoForum, Byåsen VGS, Trondheim, 19. november 2014.
- Ganerød, G.V.,** Gjørva, M.B. & Jæger, Ø.: Geotopen - bruk av nærmiljø til læring i geofaget. Geografikonferansen, Trondheim, 25.-26. september 2014.
- Gundersen, P.,** Seither, A., Dalsegg, E., Forsgård, M., Viola, G., Sæther, O.M., Frengstad, B., Storrø, G. & Gjørva, M.B.: Undersøkelser av forurenset grunnvann på Løkken. Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 22.
- Laute, K. &** Beylich, A.A.: Controls and geomorphic effects of a high-magnitude/low-frequency snow avalanche event in the proglacial area of the Bødalsbreen glacier, Nordfjord, western Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2686. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2686.pdf>
- Laute, K. &** Beylich, A.A.: Denudational surface processes and trends of relief development in mountain valleys in western Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2665. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2665.pdf>
- Laute, K. &** Beylich, A.A.: Environmental controls, rates and sedimentary mass transfers of contemporary slope processes in the headwater areas of two mountain valleys in western Norway. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2671. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2671.pdf>
- Laute, K. &** Beylich, A.A.: Sediment delivery from headwater slope systems and relief development in mountain valleys in western Norway (Poster). 8<sup>th</sup> SEDIBUD Workshop, Zugspitze, Bavaria, 1-4 September 2014.
- Seither, A. &** Frengstad, B.: Hvilke uorganiske kjemiske stoffer finner vi i drikkevann fra norske grunnvannsverk? Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 19.
- Solli, A.M.,** Brattli, B. & De Beer, J.: 3D-modellering av hydrogeologiske forhold i Hausmannskvartalet, Oslo kommune (Poster). Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 24.

## ***Kvartærgeologi***

- Cummings, J.P.**, Sørli, R., Maast, T.E., Amundsen, H.E.F., Hammer, E., Charnock, M., Thronsen, I., Riber, L., Mearns, E.W., Dorn, A. & Fredin, O.: Petrographic and Samarium-Neodymium isotope signatures of the Johan Sverdrup discovery, Norwegian North Sea. The "Brae Play" South Viking Graben Conference, Aberdeen, 23-24 April 2014.
- Fredin, O.**: Gjesteforeleser på kurset GEOG2009 - Vector based GIS. NTNU Geografisk institutt, Trondheim, Vår 2014.
- Fredin, O.**: Kursansvarlig på kurset "GEOG3523 - GIS data capture and mapping. NTNU Geografisk Institutt, Trondheim, Vår 2014.
- Fredin, O.**, Akçar, N., Romundset, A., Reber, R., Kubik, P. & Schlüchter, C.: Ice dynamics and deglaciation in SW Norway constrained by LIDAR mapping and cosmogenic exposure ages of glacial landforms. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Fredin, O.**, Zwingmann, H., Knies, J., Sørli, R. & Grandal, E.-M.: Saprolites on- and offshore Norway: New constraints on formation processes and age. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Hansen, L.**: Gjesteforeleser innen feltkurs AG-338: From depositional systems to sedimentary architecture. UNIS, Svalbard, 16 June - 11 July 2014.
- Hansen, L.**: Istid og landskap på Svalbard. Svalbardkurset (UNIS/NP/NTNU), Svalbard, august 2014.
- Hansen, L.**: Quaternary geology as the basis for landslide susceptibility assessment in fine-grained, marine deposits, onshore Norway. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Hansen, L.** & Bøe, R.: Prehistoric landslides in glaciomarine clays revealed by onshore mapping and marine seismic investigation at Leirfjord, North Norway. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Hansen, L.**, Eilertsen, R., Waldmann, N., Aritzegui, D. & Chapron, E.: Bathymetrical characteristics of Loenvatnet and Strynevatnet fjord lakes affected by delta sedimentation and landslide processes, western Norway. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Hansen, L.**, Funder, S., Sveian, H., Dretvik, H. & Husum, K.: Depositional environments and glacial event at Nordli following the Younger Dryas maximum advance in Leirfjord, North Norway. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Hansen, L.**, Sveian, H., Olsen, L., Rubensdotter, L., Romundset, S., Fredin, O., Dretvik, H. & Bøe, R.: Deglaciation history and landscape development of the Nesna-Leirfjord area, north Norway. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Høgaas, F.**: Airborne LiDAR data and mapping of Quaternary geology and surficial deposits in Norway. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Høgaas, F.**: Livet på NGU. Studentkveld NGF, Trondheim, 19. mars 2014.
- Høgaas, F.**: Prosessering og tolkning av LiDAR-data på NGU. SGU, Uppsala, 10.-11. april 2014.
- Jensen, M.A.**, Larsen, E., Lyså, A. & Faucherre, S.: High latitude tidal environments – examples from Braganzavågen, Svalbard and their implications for facies models and stratigraphy. AAPG Hedberg Research Conference, Banff, Alberta, Canada, 28 September - 1 October 2014.

- Larsen, E.**, Fjeldskaar, W., Fredin, O. & Lyså, A.: Asynchronous northern ice sheets – their behaviour in time and space. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Larsen, E.**, Fjeldskaar, W., Fredin, O., Lyså, A. & Ottesen, D.: Asynchronous behavior of the last Fennoscandian ice sheet. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Lyså, A.**: Mapping of Quaternary deposits in Norway. EuroGeoSurvey Task Force on Superficial Deposits, Annual Meeting, Vilnius, 4-5 June 2014.
- Lyså, A.**, Larsen, E., Høgaas, F., Jensen, M., Klug, M., Rubensdotter, L. & Szczucinski, W.: Morphological and sedimentological imprints of a temporary, glacier-surge ice-dammed lake, Van Mijenfjorden, Svalbard. 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Olsen, L.**: Ekskursjon i kvartærgeologi for mastergrad og PhD studenter i Trøndelag og Nordland. Universitetet i Bergen, Vår 2014.
- Olsen, L.**, Høgaas, F., Sveian, H., Follestad, B.A. & Klug, M.: The Younger Dryas ice margin positions in the Oppdal – Trondheim area, Mid-Norway (Poster). 31<sup>st</sup> Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Romundset, A.**: Kvartærgeologi. Foredrag for naturfagklasse ved Trondheim Katedralskole, NGU, Trondheim, 10. mars 2014.
- Romundset, A.**: Kvartærgeologi. Foredrag for geografiklasse fra Høgskolen i Nord-Trøndelag (HiNT), NGU, Trondheim, 16. oktober 2014.

## ***Maringeologi***

- Arneitz, P.**, Heilig, B., Vadasz, G., Valach, F., Dolinský, P., Hejda, P., Fabian, K., Hammerl, C. & Leonhardt, R.: Historical records of the geomagnetic field. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6550. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6550.pdf>
- Baeten, N.J.**, Dolan, M.F.J., Plassen, L., Buhl-Mortensen, P., Bjarnadóttir, L.R., Rise, L. & Bellec, V.: Living in a landslide (poster). 14th International Symposium of Marine Geological and Biological Habitat Mapping (GeoHab), Lorne, Australia, 5-9 May 2014.
- Baranwal, S.**: Benthic foraminifera from methane-rich environments of the Veslemøy High, Bjørnøya and Hola-Vesterålen areas of the Barents Sea. AMGG (Arctic Marine Geology and Geophysics) research school symposium “Methane-rich marine environments: ecology and geochemistry”, UiT, Tromsø, 11-13 June 2014.
- Baranwal, S.**, Sauer, S. & Knies, J.: Foraminiferal communities of modern hydrocarbon seeps from fjord settings of Northern Norway, Hola-Vesterålen: a taxonomic and ecological study. FORAMS-2014 - International Symposium on Foraminifera, Concepcion, Chile, 19-24 January 2014.
- Baranwal, S.**, Sauer, S. & Knies, J.: Preliminary results from foraminiferal communities of cold hydrocarbon seeps, Hola-Vestrålen, Northern Norway. CAGE year end seminar, UiT, Tromsø, 10-11 December 2014.
- Baranwal, S.**, Sauer, S., Knies, J., Chand, S., Jensen, H. & Klug, M.: Benthic foraminifera as tools in interpretation of subsurface hydrocarbon fluid flow at Veslemøy High and Hola-Vesterålen areas of the Barents Sea (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research

Abstracts, 16, 1843. URL:

<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1843.pdf>

- Bellec, V.**, Thorsnes, T., Bøe, R. & Bjarnadóttir, L.R.: Mapping of bioclastic sediments at cold-water coral reefs. 14th International Symposium of Marine Geological and Biological Habitat Mapping (GeoHab), Lorne, Australia, 5-9 May 2014.
- Bellec, V.K.**, Bøe, R., Rise, L., Bjarnadóttir, L.R., Dolan, M. & Thorsnes, T.: Challenges in sediment interpretation without multibeam backscatter data – experiences from the MAREANO programme, Norway. 14th International Symposium of Marine Geological and Biological Habitat Mapping (GeoHab), Lorne, Australia, 5-9 May 2014.
- Bjarnadóttir, L.R.**: MAREANO - metoder, datasett og dataforvaltning. Statoil, Stavanger, 15. januar 2014.
- Bjarnadóttir, L.R.**, Bellec, V., Thorsnes, T. & Dolan, M.: MAREANO geological mapping. Workshop, GEUS avd. for Maringeologi og Klimautvikling, København, 7. februar 2014.
- Bjarnadóttir, L.R.**, Thorsnes, T., Dolan, M., Bellec, V., Elvenes, S., Jensen, H., Plassen, L. & Baeten, N.: MAREANO geological mapping. Islandske Havforskningsinstituttet HAFRÓ, Reykjavik, 10. juli 2014.
- Bjarnadóttir, L.R.**, Thorsnes, T., Hodnesdal, H., Holte, B., Dolan, M., Bellec, V., Elvenes, S., Jensen, H., Rise, L., Plassen, L., Baeten, N., Bøe, R. & Lepland, A.: MAREANO - past, present and future. 14th International Symposium of Marine Geological and Biological Habitat Mapping (GeoHab), Lorne, Australia, 5-9 May 2014.
- Brunstad, H.**, Thorsnes, T., Chand, S., Lepland, A. & Lågstad, P.: Shallow geology, shallow faults and fluid flow in western Barents Sea. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Bøe, R.**: Marine geology at the Geological Survey of Norway. Foredrag for Miljødirektoratet og delegasjon fra Bulgaria, NGU, Trondheim, 4. juni 2014.
- Bøe, R.**: Marine geology at the Geological Survey of Norway in 2013. EuroGeoSurveys Marine Geology Expert Group Annual Meeting 2013, Lisboa, 23. January 2014.
- Bøe, R.**: Marine geology at the Geological Survey of Norway in 2014. EuroGeoSurveys Marine Geology Expert Group Annual Meeting 2014, Sliema, Malta, 30. September - 2. October 2014.
- Bøe, R.**: Marine grunnkart - Sogn og Fjordane. Møte om marin kartlegging, Florø, 6. mars 2014.
- Chand, S.**, Cremiere, A., Knies, J., Baranwal, S., Jensen, H., Lepland, A., Thorsnes, T., Vadakkepuliembatta, S., Buenz, S. & Mienert, J.: Fluid flow and gas hydrate formation along Norwegian offshore: Recent results from the SW Barents Sea. 9th International Workshop on Methane Hydrate R&D, Hyderabad, India, 9-12 November 2014.
- Chand, S.**, Knies, J., Jensen, H., Baranwal, S. & Klug, M.: An integrated approach to evaluate gas hydrate prospects in SE Barents Sea. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 9497. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-9497.pdf>
- Chand, S.** & Satyavani, N.: Methane hydrates system. origin of methane hydrate reservoir. 9th International Workshop on Methane Hydrate R&D, Hyderabad, India, 9-12 November 2014.

- Chand, S.**, Thorsnes, T., Lepland, A., Stoddart, D. & Brunstad, H.: Methane venting offshore Vesterålen, northern Norway governed by subsurface geology. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 10732. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-10732.pdf>
- Crémière, A.**, Lepland, A., Sahy, D., Noble, S.R., Condon, D.J., Chand, S., Stoddart, D., Pedersen, J.H., Sauer, S., Brunstad, H., Pedersen, R.B. & Thorsnes, T.: Methane-derived carbonates as archives of past seepage activity along the Norwegian margin. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13517. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13517.pdf>
- Crémière, A.**, Sebilo, M., Strauss, H., Gros, O. & Laverman, A.M.: Early-diagenetic processes in marine mangrove sediments from Guadeloupe, French West Indies (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13590. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13590-5.pdf>
- de Groot, L.**, Fabian, K., Bakelaar, I. & Dekkers., M.: Meta-stable magnetic domain states that prevent reliable absolute palaeointensity experiments revealed by magnetic force microscopy. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Dolan, M.F.J.**, Bjarnadóttir, L.R., Thorsnes, T. & Buhl-Mortensen, P.: An overview of habitat mapping and modelling in the MAREANO programme. Workshop, GEUS, København, 7. February 2014.
- Dolan, M.F.J.** & Buhl-Mortensen, P.: MAREANO-progress in biotope mapping and NiN. MAREANO-Artsdatabanken Meeting, Institute of Marine Research, Bergen, 4. juni 2014.
- Dolan, M.F.J.**, Buhl-Mortensen, P., Elvenes, S., Bellec, V.K., Skarðhamar, J., van Son, T., Gonzalez-Mirelis, G. & Bjarnadóttir, L.R.: Towards a seamless national offshore biotope map - progress and challenges in biotope modelling from the MAREANO programme, Norway (Poster). 14th International Symposium of Marine Geological and Biological Habitat Mapping (GeoHab), Lorne, Australia, 5-9 May 2014.
- Elvenes, S.** & Lepland, A.: Marine grunnkart i Porsanger. Forskermøte i Framsenterets Flaggskip Fjord & Kyst, Sommarøy, Tromsø, 9.-10. desember 2014.
- Elvenes, S.** & Longva, O.: Marine grunnkart Søre-Sunnmøre - frå grunnlagsdata til kunnskap for berekraftig verdiskaping og forvaltning. Oppstartsmøte for prosjekt Marine Grunnkart Søre-Sunnmøre, Runde Miljøsentor, 11. august 2014.
- Esteves, M.S.R.**, Andreassen, K., Winsborrow, M., Bjarnadóttir, L.R. & Rùther, D.C.: Deglaciation dynamics of the central Barents Sea. CAGE Workshop, Tromsø, 10-11 December 2014.
- Fabian, K.**, Leonhardt, R. & Arneitz, P.: A fast iterative Bayesian inversion scheme for paleomagnetic, archeomagnetic and historical data (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 8324. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-8324.pdf>
- Fabian, K.** & Reimann, C.: A unique data set to define magnetic susceptibility variability of European agricultural soil (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 7892. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-7892.pdf>

- Fabian, K.**, Reimann, C. & GEMAS Project Team: The GEMAS European background data set for magnetic susceptibility in agricultural soil. 14th Castle Meeting - New trends on Paleo, Rock and Environmental Magnetism, Evora, Portugal, 31. August - 6. September 2014.
- Fabian, K.**, Thomas, C.I., McEnroe, S.A., Robinson, P., Mukai, H., Law, J. & Harrison, R.: High-field magnetic characterization of natural and synthetic nanostructures in ilmenite-hematite samples. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 10444. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-10444.pdf>
- Fabian, K.**, Thomas, C.I., McEnroe, S.A., Robinson, P., Mukai, H., Law, J. & Harrison, R.: Magnetic high-field studies of nanostructures in natural and synthetic ilmenite-hematite solid solutions. 14th Castle Meeting - New trends on Paleo, Rock and Environmental Magnetism, Evora, Portugal, 31. August - 6. September 2014.
- Faust, J.**, Knies, J., Fabian, K. & Giraudeau, J.: North Atlantic oscillation dynamics recorded in central Norwegian fjord sediments during the past 2800 years. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Faust, J.**, Milzer, G., Giraudeau, J. & Knies, J.: Trondheimsfjord sediments: An excellent climate archive for high resolution reconstructions of the North Atlantic Oscillation. The Changing Arctic and sub-Arctic Marine Environment: Proxy and Model Based Reconstructions, Université Bordeaux, France, 4-6 February 2014.
- Faust, J.**, Milzer, G., Giraudeau, J. & Knies, J.: Trondheimsfjord sediments: An excellent climate archive for high resolution reconstructions of the North Atlantic Oscillation. Ungeo, NGU, Trondheim, 28. March 2014.
- Faverola, A.P.**, Buenz, S., Mienert, J., Johnson, J., Chand, S. & Knies, J.: Modulation of seafloor seepage by faulting and cracking of deep water hydrate systems at the Vestnesa drift, Fram Strait. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Faverola, A.P.**, Buenz, S., Vadakkepuliambatta, S., Mienert, J., Chand, S., Johnson, J. & Greinert, J.: Dynamic plumbing systems along the 100 km long Arctic Vestnesa Ridge (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 15077. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-15077.pdf>
- Hodnesdal, H.**, Buhl-Mortensen, P. & Bjarnadóttir, L.R.: MAREANO. Barentswatch Workshop: kunnskap om hav og kyst - på havet, Ålesund, 4.-5. juni 2014.
- Hodnesdal, H.**, Holte, B., Bjarnadóttir, L.R. & Longva, O.: Kart over havbunnen til nytte for fiskeflåten - resultater fra kartleggingsprogrammet MAREANO. Nor-Fishing, Trondheim Spektrum, 20. august 2014.
- Johnson, J.**, Phillips, S., Panieri, G., Sauer, S., Knies, J. & Mienert, J.: Tracking paleo-SMT positions using a magnetic susceptibility proxy approach from sediments on the Arctic Vestnesa Ridge, offshore western Svalbard (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13511. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13511.pdf>
- Joosu, L.**, Lepland, A. & Kirsimäe, K.: Sulphur bacteria mediated formation of Palaeoproterozoic phosphorites. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6037. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6037.pdf>

- Knies, J.**, Cabedo-Sanz, P., Belt, S.T., Baranwal, S., Fietz, S. & Rosell-Melé, A.: The Pliocene sea ice cover in the Arctic Ocean. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Lepland, A.**: Emerging aerobic Earth system through Archean-Paleoproterozoic transition: Insights from the FAR-DEEP drilling program. Accelerating Neoproterozoic Research through Scientific Drilling - ICDP/ECORD workshop, BGS, Keyworth, UK, 17. March 2014.
- Lepland, A.**: Fossilization by phosphatization 2 Ga ago, Zaonega Formation. Seminar, Karelian Science Center, Geological Institute, Petrozavodsk, Russia, 11. October 2014.
- Lepland, A.**: Zaonega Formation: Carbonaceous matter and carbonates. Paleoproterozoic phosphogenesis workshop, Tartu, Estonia, 3. February 2014.
- Lepland, A.**, Cremiere, A., Chand, S., Sahy, D., Noble, S.R., Condon, D.J., Brunstad, H. & Thorsnes, T.: CH<sub>4</sub>-derived carbonate crusts of the Barents Sea: Formation controls and chronology. EAGE Shallow Anomalies Workshop, St. Julians, Malta, 23-26 November 2014.
- Lepland, A.**, Elvenes, S. & Longva, O.: Marine base maps for the Porsanger Fjord: results 2012-2013. Workshop for Framsenderets Flaggskip Fjord & Kyst, Sommarøy, Tromsø, 24.-25. mars 2014.
- Lepland, A.**, Joosu, L. & Kirsimäe, K.: Fossilization by phosphatization 2 billion years ago. Goldschmidt Conference, Sacramento, 8-13 June 2014.
- Lepland, A.** & Olsen, H.A.: NMDC 2013/2014. Plans and activities in NGU. NMDC Second Annual Meeting, Øystese, 26.-28. august 2014.
- Longva, O.**: Geologi og fisk: muligheter i nye havbunnskart. Midt-Norsk Fiskerikonferanse, Thon Hotel, Kristiansund, 4. juni 2014.
- Longva, O.**: Geologi og fisk: muligheter i nye havbunnskart. Møte med fiskere, Bø i Vesterålen, 2. desember 2014.
- Longva, O.**: Kvifor lunde? Naturgrunlaget. Sjøfuglseminaret "Ingen lunde - Runde", Runde Miljøseier, 8. april 2014.
- Longva, O.**: Kyst-Mareano. Orientering for Fiskeri- og havbruksnæringens Landsforening (FHL), Rica Hotell Nidelven, Trondheim, 4. mars 2014.
- Longva, O.**: Kyst-Mareano. Vestlandsrådet, Rica Parken Hotell, Ålesund, 19. juni 2014.
- Longva, O.**: Naturgrunlagets betydning for havets goder på Trøndelagskysten. "Byen og kunnskapen", Suhmhuset, Trondheim, 26. april 2014.
- Longva, O.**: NGU sea floor mapping. ERA project kick off meeting, Institute of Marine Research, Bergen, 27. januar 2014.
- Longva, O.**: Trondheim under vann. Foredrag for Losjen, Folkets Hus, Ranheim, 13. mars 2014.
- Longva, O.**: Trondheim under vann. Foredrag for Pensjonistforeningen ved HiST, NGU, Trondheim, 9. oktober 2014.
- Longva, O.** & Bøe, R.: NYKOS - WP3. Kick-offmøte for NYKOS-prosjektet (Ny Kunnskap om Sjødeponering), Rica Nidelven Hotel, Trondheim, 31. oktober 2014.
- Longva, O.**, Mork, J., Lepland, A. & McClimans, T.: Miljøtilstand i Børgin. Havforskermøtet, Saga Quality Hotel, Tromsø, 4. november 2014.
- Mienert, J.**, Andreassen, K., Knies, J., Carroll, J., Bünz, S., Ferre, B., Rasmussen, T., Panieri, G. & Myhre, C.L.: Dynamics in the methane hydrate system of the Arctic Ocean (Poster). EGU General Assembly, Vienna, 27. April-02. May

2014. Geophysical Research Abstracts, 16, 13426. URL:  
<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13426.pdf>
- Plaza-Faverola, A.**, Buenz, S., Vadakkepulyambatta, S., Mienert, J., Chand, S., Johnson, J. & Greinert, J.: Dynamic plumbing systems along the 100 km long Arctic Vestnesa Ridge (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 15077. URL:  
<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-15077.pdf>
- Rise, L.**: Marine geology offshore Norway with focus on submarine slides. Geological Survey of Canada, Halifax, 21. October 2014.
- Rise, L.**: Submarine skred på norsk kontinentalskråning. Ingeniørgeologi særkurs, NTNU, Trondheim, 17. mars 2014.
- Sahy, D.**, Cremiere, A., Lepland, A., Condon, D.J., Noble, S.R., Chand, S. & Brunstad, H.: Constraints on the timing and duration of methane derived authigenic carbonate formation in the North Sea and the Barents Sea from U-Th dating. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Sauer, S.**, Lepland, A., Chand, S., Shubert, C.J., Eichinger, F. & Knies, J.: Sources, extent and history of methane seepage on the continental shelf off northern Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 3716. URL:  
<http://meetingorganizer.copernicus.org/EGU2014/EGU2014-3716.pdf>
- Thorsnes, T.**: MAREANO - from good ideas to the world's largest mapping program. Workshop, GEUS avd. for Maringeologi og Klimautvikling, København, 7. februar 2014.
- Thorsnes, T.**: MAREANO på dypt vann - er det veien å gå? Møte med Nærings- og fiskeridepartementet, NGU, Trondheim, 18. november 2014.
- Thorsnes, T.**, Bjarnadóttir, L. & Dolan, M.: Marine geology at NGU - glimpses from current research and development relevant for MAREANO. Workshop, GEUS avd. for Maringeologi og Klimautvikling, København, 7. februar 2014.
- Thorsnes, T.**, Brunstad, H., Lågstad, P., Chand, S., Lepland, A., Fjukmoen, Ø. & Cremiere, A.: Synthetic aperture sonar (SAS) and autonomous underwater vehicles - essential tools for exploration of hydrocarbon seeps. EAGE Shallow Anomalies Workshop, St. Julians, Malta, 23-26 November 2014.
- Thorsnes, T.** & Knies, J.: Paleo-methane history, palae-climate and recent methane emissions in Arctic Ocean environments. Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, 24. October 2014.
- Thorsnes, T.**, Lågstad, P., Ludvigsen, M., Dolan, M. & Chand, S.: Using HUGIN HUS with Synthetic aperture sonar, TFish and SBP, and ROV video to investigate a Second World War ammunition dumping site in the Trondheimsfjord. AUR-Lab Workshop, Trondheim, 4. mars 2014.
- Thorsnes, T.**, Lågstad, P., Ludvigsen, M., Dolan, M. & Chand, S.: Using HUGIN HUS with Synthetic aperture sonar, TFish and SBP, and ROV video to investigate a Second World War ammunition dumping site in the Trondheimsfjord. CAGE Workshop, Trondheim, 15. mai 2014.
- Thorsnes, T.**, Smelror, M., Heldal, T., Brunstad, H., Lågstad, P. & Erdal, I.: Environmental seabed mapping - experiences from the Norwegian shelf, slope and continental rise. Mineral Resources on the Mid-Atlantic ridge - status and perspectives, NGU, Trondheim, 24-15 April 2014.
- Thorsnes, T.**, Smelror, M., Heldal, T., Brunstad, H., Lågstad, P. & Erdal, I.: Using technologies, sensors, and systems for environmental mapping - experiences

from the Norwegian shelf. Deep Sea Mining Summit, London, 17-18 March 2014.

### ***Mineralressurser***

- Albrecht, M.**, Derrey, I.T., Horn, I., Müller, A., Schuth, S. & Weyer, S.: A new procedure for trace element analysis of fluid inclusions with UV-fs-LA-ICP-MS and its application on tin granites. DMG 92nd Annual Meeting "Minerals at Focal Point", Jena, Germany, 21-24 September 2014.
- Bjerkård, T.:** Black Smokers: skatter i dyphavet. Trøndelag Amatørgeologiske Forening (TAGF), Trondheim, 1. oktober 2014.
- Bjerkård, T.:** Black Smokers: skatter i dyphavet. Gløshaugen Akademiske Klubb, NTNU, Trondheim, 23. oktober 2014.
- Bjerkård, T.:** Leting og påvisning av mineralressurser - metoder og feltarbeid. Trøndelag Amatørgeologiske Forening (TAGF), Trondheim, 2. april 2014.
- Boyd, R.:** Circum-Arctic mineral resources project. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Boyd, R.:** Kritiske råstoffer - status og implikasjoner for bærekraft. NGU-dagen, Trondheim, 6.-7. februar 2014.
- Boyd, R.:** Mineral resources in the Arctic Region. Mining in the High North, London, 18 March 2014.
- Broekmans, M.A.T.M.:** Characterization of "ASR-minerals": routine or challenge? 36th International Conference on Cement Microscopy (ICMM), Milan, 14-17 April 2014.
- Broekmans, M.A.T.M.:** Introduction to "ASR mineralogy". University of Milan, Department of Earth Sciences "Ardito Desio", Milan, 11 April 2014.
- Broekmans, M.A.T.M.:** Petrography for concrete: QA/QC, forensics. State Key Laboratory of Silicate Materials for Architectures, WuHan University of Technology Wuhan, China, 6 November 2014.
- Broekmans, M.A.T.M. & Pöllmann, H.:** 2-day Short Course on Applied Mineralogy of Cement and Concrete. 21st General Meeting of the International Mineralogical Association (IMA), Johannesburg, South Africa, 30-31 August 2014.
- Drivenes, K.,** Larsen, R., Müller, A., Sørensen, B., Wiedenbeck, M. & Raanes, M.: Quartz-tourmaline orbicules: Record of magmatic melt immiscibility in the Land's End granite. The Ussher Society Geoscience in South-West England 53rd Annual Conference, Weston-super-Mare, Somerset, 2-5 January 2014.
- Drivenes, K.,** Larsen, R., Müller, A., Sørensen, B., Wiedenbeck, M. & Raanes, M.: Quartz-tourmaline orbicules: Record of magmatic melt immiscibility in the Land's End granite, SW England (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13314. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13314.pdf>
- Henderson, I.H.C.:** Palaeoproterozoic tectonic architecture and implications for mineralisation. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Henderson, I.H.C. & Grøtan, B.O.:** 3D-Norge: A New project to build a 3D bedrock map of Norway. 2nd European meeting of 3D geological modelling, 20-21 November 2014.
- Ihlen, P.M. & Schiellerup, H.:** Apatite-Fe-Ti deposits in Proterozoic AMCG complexes of Norway: Characteristic features and potentials. Arctic Conference Days, Tromsø, 2-6 June 2014.

- Korneliussen, A.:** Mineralressurser i Ofoten – potensielle industrimuligheter. Mineralklynge Nord, Narvik, 18.-19. mars 2014.
- Korneliussen, A.:** Titanium deposits in Norway. 18th EIG Conference, University of St. Andrews, Fife, 11-13 June 2014.
- Korneliussen, A., Lopes, L. & Martins, R.:** Estremoz marbles, Portugal. A potential resource for high-whiteness industrial applications. 5th Global Stone Congress, Antalya, Turkey, 22-25 October 2014.
- Korneliussen, A. & Raaness, A.:** Mineral and chemical characteristics of high-whiteness calcite marbles in Northern Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Korneliussen, A. & Raaness, A.:** Mineral and chemical characteristics of high-whiteness calcite marbles in Northern Norway. 18th EIG Conference, University of St. Andrews, Fife, 11-13 June 2014.
- Korneliussen, A., Walder, I. & Bialecki, R.:** Mineraler og CO<sub>2</sub>-fangst. NGU-dagen, Trondheim, 6.-7. februar 2014.
- Lehmann, J., Saalman, K., Naydenov, K., Milani, L., Charlesworth, E.G., Kinnaird, J.A., Frei, D., Kramers, J.D. & Zwingmann, H.:** Triple junction orogeny: tectonic evolution of the Pan-African Northern Damara Belt, Namibia (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 13758. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-13758.pdf>
- Lehmann, J., Saalman, K., Naydenov, K., Milani, L., Charlesworth, E.G., Frei, D., Kramers, J.D., Zwingmann, H. & Kinnaird, J.A.:** Mega-fold interference patterns in the Northern Damara Belt (Namibia). The Roy Miller Symposium, A conference to recognise a lifetime of service to the geological sciences in Namibia, Windhoek, 18-20 August 2014.
- Milani, L., Kinnaird, J.A., Lehmann, J., Naydenov, K., Saalman, K., Frei, D. & Gerdes, A.:** Role of crustal contribution in the early stage of the Damara Orogen, Namibia: new constraints from combined U-Pb and Lu-Hf isotopes from the Goas Magmatic Complex. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 12339. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12339-3.pdf>
- Müller, A.:** Chemistry of pegmatite quartz – a possible classification criterion for granitic pegmatites? 21st General Meeting of the International Mineralogical Association, Johannesburg, South Africa, 1-5 September 2014.
- Müller, A.:** Smart og full av gull. Trøndelag Amatørgeologiske Forening (TAGF) Mineralmesse, Trondheim, 15.-16. november 2014.
- Müller, A.:** Urban Mining von elektronischem Abfall – Herausforderungen aus der Sicht eines Geologen. Ehrenkolloquium der Leibniz-Sozietät der Wissenschaften zu Berlin anlässlich des 80. Geburtstages von MLS Heinz Kautzleben, Berlin, 11 April 2014.
- Müller, A., Wanvik, J.E. & Ihlen, P.M.:** Petrological and chemical characterization of high purity quartz deposits with examples from Norway. 18th EIG Conference, University of St. Andrews, Fife, 11-13 June 2014.
- Müller, A. & Knies, J.:** Trace elements and cathodoluminescence of detrital quartz in Arctic marine sediments - A new ice-rafted debris provenance proxy (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2756. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2756.pdf>

- Naydenov, K.**, Lehmann, J., Saalman, K., Milani, L., Kinnaird, J., Charlesworth, E.G., Rankin, W. & Frei, D.: New constraints on the Pan-African tectonics and the role of the Mwembeshi Zone in Central Zambia: Deformation style and timing of two orthogonal shortening events. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 12545. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12545.pdf>
- Raness, A.**: An adventure of assessing marble deposits in Northern Norway. Ungeo, NGU, Trondheim, 21. mars 2014.
- Raness, A.**: Geologien i min kommune. Realfagkonferansen, NTNU, Trondheim, 30. april 2014.
- Raness, A.**: Viktighetsvurderinger av mineralske ressurser. Direktoratet for Mineralforvaltning, Trondheim, april 2014.
- Sandstad, J.S.**: MINN– Mineralressurser i Nord-Norge. Grunnlaget for tidenes skattejakt. Polyteknisk Forening, Trondheim, 22. januar 2014.
- Sandstad, J.S.**: MINN og MINS. Styringsgruppemøte Mineralressurser i Indre Namdal, Trondheim, 16. januar 2014.
- Sandstad, J.S.**: MINN og MINS. Mineralnæringa i nord - store muligheter også for Senja. Profilgruppa Midt-Troms, bedriftsbesøk med foredrag, Skaland, 10. april 2014.
- Sandstad, J.S.**: MINN– programmet - Mineralressurser i Nord-Norge. Sametingsrådet, Karasjok, 6. mars 2014.
- Schiellerup, H.**: Fra EU's råvareinitiativ til Norsk mineralstrategi. Seminar om mineralutvinning i regi av Forum for Natur og Friluftsliv, Trondheim, 1. februar 2014.
- Schiellerup, H.**: Fra leting til bærekraftig forvaltning. NGU-dagen, NGU, Trondheim, 6.-7. februar 2014.
- Schiellerup, H.**: Malm og industrimineraler i Lofoten-regionen. Lofoten Regionråd, Leknes, 20. november 2014.
- Schiellerup, H.**: Mining in the High North and the deep sea; future perspectives in North Norway. Seminar and H2020 brokerage, Norway House, Brussel, 22. oktober 2014.
- Stormoen, M.A.**, Slagstad, T. & Henderson, I.: Magma emplacement mechanisms and syn-magmatic deformation - a new approach to the Knaben area in Vest Agder, Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16771. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16771.pdf>
- Saalman, K.** & Laine, E.-L.: Structure of the Outokumpu Cu-Ni ore district revealed by combined 3D modelling and 2D high-resolution seismic reflection data. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.

## **Skred**

- Böhme, M.**, Bunkholt, H.S.S., Dehls, J., Eiken, T., Eriksen, H.Ø., Gosse, J., Hermanns, R.L., Kristensen, L., Yugsi Molina, F.X. & Oppikofer, T.: Understanding the deformation mechanism of the unstable rock slope Gamanjunni 3, northern Norway, for hazard and risk assessment. 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 18.
- Crosta, G.B.**, Frattini, P., Valbuzzi, E. & Hermanns, R.L.: Analysis and simulation of rock avalanche sequence in the Cerro Caquilluco landslide (Tacna, Peru). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16272. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16272.pdf>
- Crosta, G.B.**, Hermanns, R., Frattini, P., Valbuzzi, E. & Valagussa, A.: Large slope instabilities in Northern Chile: inventory, characterization and possible triggers. 3rd World Landslide Forum, Beijing, China, 2-6 June 2014.
- Crosta, G.B.** & Hermanns, R.L.: Third look at suspect mega rockslide called Lluta collapse, N-Chile. 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 24.
- Crosta, G.B.**, Hermanns, R.L., Valbuzzi, E., Frattini, P. & Valagussa, A.: Large slope instabilities in Northern Chile and Southern Peru. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 16279. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-16279.pdf>
- Crosta, G.B.**, Paolo, F., Elena, V. & Hermanns, R.L.: The Cerro Caquilluco–Cerrillos Negros Giant Rock Avalanches (Tacna, Peru). IAEG XII Congress, Torino, 15-19 September 2014.
- Dehls, J.F.**: Landslide monitoring using SAR interferometry techniques. Workshop on Geo Hazard Assessment & Approaches for Impact Reduction, Colombo, Sri Lanka, 21 January 2014.
- Dehls, J.F.**: Mapping and monitoring landslides in the West Norwegian Fjords using satellite technology. Huangshan Dialogue on Space Technologies for World Heritage sites and Biosphere Reserves and the potential new category of Geoparks, Huangshan, China, 23-30 May 2014.
- Dehls, J.F.**, Lauknes, T.R., Hermanns, R.L., Bunkholt, H., Grydeland, T., Larsen, Y., Eriksen, H. & Eiken, T.: Use of satellite and ground based InSAR in hazard classification of unstable rock slopes. 3rd World Landslide Forum, Beijing, China, 2-6 June 2014.
- Eriksen, H.**, Lauknes, T.R., Larsen, Y., Dehls, J.F., Grydeland, T. & Bunkholt, H.: Satellite and ground-based interferometric radar observations of an active rockslide in Northern Norway. IAEG XII Congress, Torino, 15-19 September 2014.
- Hermanns, R.L.** & Dehls, J.F.: The geological Survey of Norway, national Activities. EU-Earth Observation and geohazards meeting, Vienna, 30 April 2014.
- Hermanns, R.L.**, Gosse, J., Redfield, T.F., Oppikofer, T. & Eiken, T.: Understanding long-term gravitational rock slope deformation by means of terrestrial cosmogenic nuclide dating. 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 29.
- Hermanns, R.L.**, Oppikofer, T., Roberts, N.J. & Sandøy, G.: Catalogue of historical displacement waves and landslide-triggered tsunamis in Norway. IAEG XII Congress, Torino, 15-19 September 2014.

- Hermanns, R.L.**, Oppikofer, T., Yugsi Molina, F.X., Dehls, J.F. & Böhme, M.: Approach for systematic rockslide mapping of unstable rock slopes in Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Hermanns, R.L.**, Oppikofer, T., Yugsi Molina, F.X., Dehls, J.F. & Böhme, M.: Approach for Systematic Rockslide Mapping of Unstable Rock Slopes in Norway. 3rd World Landslide Forum, Beijing, China, 2-6 June 2014.
- Hermanns, R.L.**, Oppikofer, T., Yugsi Molina, F.X., Dehls, J.F. & Böhme, M.: Rock avalanches and related displacement waves in Norway - history, mapping for - and hazard and risk classification of future events. Dalhousie University, Halifax, Canada, 10 March 2014.
- Hermanns, R.L.**, Oppikofer, T., Yugsi Molina, F.X., Dehls, J.F., Böhme, M. & Sandøy, G.: Systematic mapping and hazard and risk classification of unstable rock slopes with potential of forming displacement waves in Norway. GSA Annual Meeting, Vancouver, 19-22 October 2014.
- Hermanns, R.L.**, Sandøy, G., Yugsi Molina, F.X. & Oppikofer, T.: Run out model of Punta Cola debris avalanche on land. DETSUFA work meeting, Barcelona, 13-14 February 2014.
- Hermanns, R.L.**, Sepúlveda, S.A., Lastras, G., Amblas, D., Canals, M., Azpiroz, M., Bascuñán, I., Calafat, A.M., Duhart, P. & Frigola, J.: Earthquake-triggered subaerial landslides that caused large scale fjord sediment deformation: combined subaerial and submarine studies of the 2007 Aysén Fjord event, Chile. IAEG XII Congress, Torino, 15-19 September 2014.
- Høst, J.**: Tsunamis in fjords of Norway. EuroGeoSurveys/SwissTopo Workshop "Living with Geological Risks", Bern, 22. October 2014.
- Jackson Jr, L.**, Blais-Stevens, A., Hermanns, R. & Jermyn, C.: Late glacial and Holocene sedimentation and investigation of fjord tsunami potential in lower Howe Sound, British Columbia. IAEG XII Congress, Torino, 15-19 September 2014.
- Lastras, G.**, Amblas, D., Calafat, A., Canals, M., Frigola, J., Hermanns, R.L., Lafuerza, S., Longva, O., Micalelef, A., Sepúlveda, S.A., Vargas, G., Azpiroz, M., Bascunán, I., Duhart, P., Iglesias, O., Kemp, P. & Rayo, X.: Earthquakes, Subaerial and submarine landslides, tsunamies and volcanoes in Aysén Fjord, Chile (Poster). AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Lastras, G.**, Amblas, D., Calafat, A., Canals, M., Frigola, J., Hermanns, R.L., Lafuerza, S., Longva, O., Micalelef, A., Sepúlveda, S.A., Vargas, G., Azpiroz, M., Bascunán, I., Duhart, P., Iglesias, O., Kemp, P. & Rayo, X.: The lively Aysén fjord, Chile: Records of multiple geological processes (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 6225. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6225.pdf>
- Lauknes, T.R.**, Dehls, J.F., Blikra, L.H., Rouyet, L., Eriksen, H.Ø., Larsen, Y. & Grydeland, T.: InSAR monitoring of the Jettan Rockslide in northern Norway using high-resolution Radarsat-2 and TerraSAR-X satellite. 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 35.
- Niedermann, S.**, Hermanns, R.L., Osmundsen, P.T. & Redfield, T.: Cosmogenic <sup>21</sup>Ne attesting a minimum age of 170 ka for a high-altitude, low-relief surface in Troms County, Norway. 2nd Nordic workshop on cosmogenic nuclide dating, Aarhus, Danmark, 11-13 June 2014.
- Oppikofer, T.**, Dreiås, G.M., Saintot, A., Hermanns, R.H. & Gosse, J.: Geological and structural control of the Ivasnasen and Vollan unstable rock slopes (western

- Norway). 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 46.
- Oppikofer, T.**, Hermanns, R.L., Horton, P., Sandøy, G., Roberts, N.J., Jaboyedoff, M., Böhme, M. & Yugsi Molina, F.X.: Consequence assessment of large rock slope failures in Norway. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11286. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11286.pdf>
- Oppikofer, T.**, Nordahl, B., Bunkholt, H., Nicolaisen, M., Hermanns, R.L., Böhme, M. & Yugsi Molina, F.X.: Database on unstable rock slopes in Norway. EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11846. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11846-1.pdf>
- Oppikofer, T.**, Yugsi Molina, F.X. & Böhme, M.: Back-analysis of the 1810 Pollfjellet rockslide (northern Norway) using terrestrial laser scanning and GigaPan imagery. 1st Vertical Geology Conference, University of Lausanne, Switzerland, 5-7 February 2014.
- Roberts, N.J.**, Rabus, B., Hermanns, R.L., Guzmán, M.-A., Clague, J.J. & Minaya, E.: Large slope failures in the la Paz basin. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Roberts, N.J.**, Rabus, B., Hermanns, R.L., Guzmán, M.-A., Clague, J.J. & Minaya, E.: Recent Landslide Activity in La Paz, Bolivia. 3rd World Landslide Forum, Beijing, China, 2-6 June 2014.
- Roberts, N.J.**, McKillop, R., Hermanns, R.L., Clague, J.J. & Oppikofer, T.: Preliminary Global Catalogue of Displacement Waves from Subaerial Landslides. 3rd World Landslide Forum, Beijing, China, 2-6 June 2014.
- Sandøy, G.**, Oppikofer, T. & Nilsen, B.: Back-analysis of the 1756 Tjellefonna rockslide (western Norway). 3rd Slope Tectonics Conference, NGU, Trondheim, 8-9 September 2014. NGU Report 2014.030, 54.
- Sletten, K.**: Isbreer og landskapsutvikling. Undervisning for 6. klasse, Åsly skole, Trondheim, 21. august 2014.
- Sletten, K.**: Jordskred og klima. Forelesning NTNU, IGB, Trondheim, 3. mars 2014.
- Sletten, K.**: Skred. Forelesninger for elever fra Trondheim Katedralskole, NGU, Trondheim, 10. mars 2014.
- Solberg, I.L.**: Kvikkleire og skredkartlegging i Trondheim. HiST Pensjonistforening, NGU Trondheim, 9. oktober 2014.
- Solberg, I.L.**: Kvikkleire, skred og kartlegging av kvikkleire. Forelesning NTNU, IGB, Trondheim, 14. februar 2014.
- Solberg, I.L.**: Nasjonal database for grunnundersøkelser - status og bruk av NADAG. Teknologidagene, Trondheim, 8. oktober 2014.
- Solberg, I.L.**: Nasjonal database for grunnundersøkelser (NADAG). Geomatikkdagene, Stjørdal, 1.-3. april 2014.
- Solberg, I.L.**: Nasjonal database for grunnundersøkelser (NADAG). Fjellsprengningsdagen, Bergmekanikk- og Geoteknikkdagen, Oslo, 27.-28. november 2014.
- Solberg, I.L.**: The new National Database for Ground Investigations in Norway (NADAG) (Poster). IAEG XII Congress, Torino, 15-19 September 2014.
- Solberg, I.L.**: Ny nasjonal database for grunnundersøkelser. Norge Digital Julemøte, Statens Hus, Trondheim, 9. desember 2014.
- Solberg, I.L.**: Rissa. Geologi og skred. HiNT-studenter, NGU Trondheim, 16. oktober 2014.

- Solberg, I.L.:** Utvikling av Nasjonal database for grunnundersøkelser (NADAG). Det 23. NGU-seminar om hydrogeologi og miljø: "Grunnvann i min kommune", NGU, Trondheim, 11.-12. mars 2014. NGU-rapport 2014.012, 17.
- Sollie, I.L.,** Hermanns, R.L. & Eilertsen, R.: Stability analysis of the Håkåneset subaerial/subaqueous rockslide along Tinnsjø, Telemark, Norway. Ungeo "Geology rocks", NGU, Trondheim, 21. mars 2014.
- Sollie, I.L.,** Hermanns, R.L., Eilertsen, R. & Eiken, T.: Structural and kinematic analyses of the Håkåneset subaerial/subaquatic rockslide along Tinnsjø, telemark, Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Yugsi Molina, F.X.,** Bunkholt, H.S.S., Kristensen, L., Dehls, J. & Hermanns, R.L.: The use of remote sensing techniques and runout analysis for hazard assessment of an unstable rock slopes at Storhaugen, Manndalen, Norway. IAEG XII Congress, Torino, 15-19 September 2014.
- Yugsi Molina, F.X.,** Oppikofer, T., Otterå, S. & Taurisano, A.: Rockfall hazard mapping in Norway: First outcomes and experiences. Fifth interdisciplinary workshop on rockfall protection RocExs 2014, Lecco, Italy, 29-31 May 2014.

### **Sokkelgeofysikk**

- Abdelmalak, M.M.,** Faleide, J.I., Planke, S., Theissen-Krah, S., Zastrozhnov, D., Breivik, A.J., Gernigon, L. & Myklebust, R.: Breakup magmatism style on the North Atlantic Igneous Province: insight from Mid-Norwegian volcanic margin (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11479. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11479.pdf>
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 1736. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1736.pdf>
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). Arctic Conference Days, Tromsø, 2-6 June 2014.
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). Geokolloquium, Christian Albracht Universität, Kiel, Germany, 13 June 2014.
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). 3rd Swarm Science Meeting, Copenhagen, Denmark, 19-20 June 2014.
- Baykiev, E.,** Ebbing, J., Brönnner, M. & Fabian, K.: Forward modeling of the Earth's lithospheric field using spherical prisms (Poster). Swarm Workshop, GFZ Potsdam, Germany, 8-12 September 2014.
- Brönnner, M.:** TPG4195 Gravimetri og magnetometri. NTNU, Trondheim, Høst 2014.
- Brönnner, M.,** Olesen, O., Fredin, O. & Nasuti, A.: Deeply weathered and/or fractured basement in Norway mapped from geophysics: New indications for crustal tectonics? Arctic Conference Days, Tromsø, 2-6 June 2014.

- Brønner, M.**, Knies, J., Fredin, O., Olesen, O. & Viola, G.: Deeply weathered basement rocks in Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11518. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11518.pdf>
- Geoffroy, L.**, Gernigon, L. & Werner, P.: Lithosphere extension and magmatism at volcanic passive margins (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 14734. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-14734-1.pdf>
- Gernigon, L.**, Blischke, A., Nasuti, A., Olesen, O., Sand, M. & Arnarson, T.S.: Opening of the Greenland-Norwegian Sea: Implication from new aeromagnetic surveys. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Gernigon, L.** & Geoffroy, L.: Le système NE-Atlantique: hyper-extension et marges volcaniques: Quelle relation? Workshop Action Marges "Magmatisme et Extension", Institut Universitaire Européen de la Mer (IUEM), Plouzané, Brest, 21-22 May 2014.
- Gernigon, L.**, Blischke, A., Nasuti, A., Olesen, O., Sand, M. & Arnarson, T.S.: From conjugate volcanic rifted margins to micro-continent formation: Double breakup development of the Norwegian-Greenland Sea (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 12159. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12159.pdf>
- Gradmann, S.**: Linking topography and lithospheric structures in Western Fennoscandia. Earth Science Seminar, University of Helsinki, November 2014.
- Gradmann, S.**, Ebbing, J. & Fullea, J.: Integrated modelling in Fennoscandia. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Gradmann, S.**, Haase, C. & Peron-Pinvidic, G.: The crustal structure of the Norwegian Continental Margin – comparison of refraction seismic and other geophysical data sets. 4<sup>th</sup> Atlantic Conjugate Margins Conference, St. Johns, Canada, 20-22 August 2014.
- Gradmann, S.** & Kaiser, J.: Geophysical signatures of adjoining lithospheric domains. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Gradmann, S.**, Keiding, M. & Olesen, O.: Neotectonics in Nordland – NEONOR2 Implications for petroleum exploration. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Haase, C.**, Bouman, J., Ebbing, J., Gradmann, S. & Lieb, V.: Improved lithospheric modelling in the North Atlantic region based on multi-level gravity data. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Haase, C.**, Bouman, J., Ebbing, J., Gradmann, S. & Lieb, V.: Inversion of multi-level gravity data to improve lithospheric modelling – A case study for the North Atlantic region (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 3724. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-3724.pdf>
- Haase, C.** & Götze, H.-J.: Towards the geometric optimization of potential field models – A new spatial operator tool and applications (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 11174. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-11174.pdf>
- Maystrenko, Y.P.**, Olesen, O. & Elevbakk, H.: New geothermal data from the Fyllingsdalen, Ullrigg and Årvollskogen boreholes, located in southern Norway. 8th Symposium on Structure, Composition and Evolution of the Lithosphere in Fennoscandia, Turku, Finland, 4-6 November 2014.

- Maystrenko, Y.P.**, Olesen, O., Rønning, J.S., Elevation, H. & Ganerød, G.V.: Thermal data from recently drilled boreholes near Bergen, Stavanger and Moss, southern Norway. AGU Fall Meeting, San Francisco, 15-19 December 2014.
- Maystrenko, Y.P.**, Olesen, O., Rønning, J.S. & Elvebakk, H.: Potential field and thermal modelling near Bergen, Stavanger and Moss, South Norway. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Maystrenko, Y.P.**, Olesen, O., Rønning, J.S. & Elvebakk, H.: New heat flow data from three boreholes near Bergen, Stavanger and Moss, Norway (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 4063. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-4063.pdf>
- Nirrengarten, M.**, Gernigon, L. & Manatschal, G.: Determination and implication of Lower Crustal Bodies in the Møre rifted margin (offshore Norway) (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 2415. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-2415.pdf>
- Olesen, O.**: Både gammel og ung - svaret på gåta om den norske strandflata? Medlemsmøte NGF Trondheim, 19. november 2014.
- Olesen, O.**: Deep processes along the NW margin of the Eurasian plate and implications for Norwegian society. Award Ceremony and Symposium, The Rossby Prize in Nordic Geophysics, Stockholm, 12 November 2014.
- Olesen, O.**: Potential fields of the North Atlantic and development of its margins. Geokolloquium, Christian Albrecht Universität (CAU), Kiel, Germany, 13 June 2014.
- Olesen, O.**, Brønner, M., Dalsegg, E. & Fredin, O.: Is the Nordland strandflat formed by Neogene erosion of a deeply weathered Early Mesozoic palaeosurface? Arctic Conference Days, Tromsø, 2-6 June 2014.
- Olesen, O.**, Brønner, M., Fredin, O. & Ihlen, P.M.: Deep weathering and mineral exploration in Norway. Arctic Conference Days, Tromsø, 2-6 June 2014.
- Olesen, O.**, Kierulf, H.P., Brønner, M., Dalsegg, E., Fredin, O. & Solbakk, T.: Deep weathering, neotectonics and strandflat formation in Nordland, northern Norway. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.
- Olesen, O.** & Rønning, J.S.: Airborne geophysical remapping of Norway, mainland and offshore. Arctic Conference Days, Tromsø, 2-6 June 2014.

### **NGU-Lab**

- Fabian, C.**, Reimann, C., Fabian, K., Baritz, R. & Haslinger, E.: GEMAS: The continental scale influences on the pH of European agricultural and grazing land soil (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 7846. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-7846.pdf>
- Klug, M.**, Knies, J., Forwick, M. & Haflidason, H.: Late Weichselian sediment geochemistry of the western Barents Sea margin - an empirical inter-instrumental comparison of core scanning and conventional XRF measurements (Poster). EGU General Assembly, Vienna, 27. April-02. May 2014. Geophysical Research Abstracts, 16, 3333. URL: <http://meetingorganizer.copernicus.org/EGU2014/EGU2014-3333.pdf>
- van der Lelij, R.**, Knies, J., Faust, J., Scheiber, T., Brønner, M., Fredin, O., Müller, A. & Viola, G.: Basement fracturing and weathering on- and offshore Norway –

genesis, age, and landscape development. AGU Fall Meeting, San Francisco, 15-19 December 2014.

**van der Lelij, R.**, Viola, G., Knies, J., Fredin, O., Ganerød, M. & Banica, A.: Unravelling the links between brittle faulting, weathering and landscape evolution: the new clay geochronology facility at the Geological Survey of Norway. 14th International Conference on Thermochronology, Chamonix, France, 8-12 September 2014.

### ***Kommunikasjon***

**Bjerke, C.:** Utstilling. Stein i vei, Bodø, 20.-21. mars 2014.

**Bjerke, C., Henriksen, G. & Løvø, G.:** Utstilling. Forskningsdagene, Trondheim, 19.-20. september 2014.

**Bjerke, C. & Moen, B.F.:** Utstilling. 31st Nordic Geological Winter Meeting, Lund, Sweden, 8-10 January 2014.

**Bjerke, C., Moen, B.F. & Henriksen, G.:** Utstilling. Mineralmessa NAGS, Trondheim, 15.-16. november 2014.

**Bjerke, C., Moen, B.F. & Reitan, E.P.:** Utstilling. Geologiens Dag, Oslo og Trondheim, 12.-14. september 2014.

**Bjerke, C. & Rønning, J.S.:** Utstilling. Fjellsprenningskonferansen, Oslo, 27.-28. november 2014.

**Moen, B.F.:** Er NGF interessant for geofaglærere? Foredrag, Naturfagsenteret, Oslo, 16. januar 2014.

**Moen, B.F.:** Utstilling NGF. Production Geoscience, Stavanger, 4.-5. november 2014.

**Rasmussen, M.C. & Bjerkgård, T.:** Utstilling. PDAC, Toronto, 2.-5. mars 2014.

**Rasmussen, M.C. & Olesen, O.:** Utstilling. Arctic Days, Tromsø, 2.-6. juni 2014.

## VERV I INTERNASJONALE ORGANISASJONER OG KOMITEER

- 12<sup>th</sup> International Congress for Applied Mineralogy (ICAM) 2015:** M.A.T.M. Broekmans, editor-in-chief
- 15<sup>th</sup> Euroseminar on Microscopy Applied to Building Materials (EMABM) 2015:** M.A.T.M. Broekmans, member of scientific committee
- 76<sup>th</sup> EAGE Conference and Exhibition, Amsterdam:** O. Olesen, reviewer of extended abstracts
- American Mineralogist:** M.A.T.M. Broekmans, associate editor
- Applied geochemistry:** C. Reimann, associate editor
- Boreas (International Journal of Quaternary Geology):** E. Larsen, member of administrative board
- EU Working Group C on Groundwater** A. Dagestad, Norges representant.
- EuroGeoSurveys:** J. Høst, national delegate
- EuroGeoSurvey Earth Observation Expert Group:** J.F. Dehls, member
- EuroGeoSurvey Geochemistry Expert Group:** C. Reimann, chairman, R.T. Ottesen, member
- EuroGeoSurvey Marine Geology Expert Group:** R. Bøe, member
- EuroGeoSurvey Mineral Resources Expert Group:** H. Schiellerup, member
- EuroGeoSurvey Strategy Task Force:** J. Høst, member
- EuroGeoSurvey Task Force on Superficial Deposits:** A. Lyså, Norwegian delegate
- European Commission, Enterprise and Industry:** R. Boyd, member of Ad Hoc Working Group on Critical Raw Materials
- European Commission, Raw Materials supply Group (RSMG):** R. Boyd, H. Gautneb, representanter for Nærings- og Handelsdepartementet
- European Environmental Agency:** B. Frengstad, Norges representant grunnvann
- European Geoscience Union committee on Outreach:** S. Buitter, member
- European Geoscience Union General Assembly Vienna 2014:** S. Buitter, G. Peron-Pinvidic, conveners of session “Rifts and rifted margins: the sedimentary, volcanic and crustal architecture”, S. Buitter convener of “Open session on Tectonics and Structural Geology”, S. Buitter, convener of session “Stephan Mueller Medal Lecture by Claudio Faccenna”, S. Buitter, chair of “Division Meeting for Tectonics and Structural Geology”
- European Geoscience Union Tectonics and Structural Geology Division:** S. Buitter, president
- European Geoscience Union Tectonics and Structural Geology Programme Committee:** S. Buitter, chair, G. Peron-Pinvidic, member
- European Plate Observation System (EPOS):** J.F. Dehls, member of WG8 “Satellite information data”
- European Standardization Committee, CEN TC 154/TG11:** E. Erichsen, B. Flem, members
- Fennoscandian Review Board:** R. Boyd, representant for Norsk Bergindustri
- GeoHab:** T. Thorsnes, member of International Scientific Committee
- Geo-Marine Letters:** R. Bøe, editorial board
- Helmholtz Ion Beam Center, Dresden-Rossendorf:** A. Müller, member of user selection panel
- INQUA (International Quaternary Union):** E. Larsen, leder norsk INQUA-komité
- International Association of Geochemistry (IAGC):** C. Reimann, President

**International Association of Geomorphologists (IAG) Programme SEDIBUD:**  
A.A. Beylich, chair

**International Association of Hydrological Sciences, Commission on Ground Water:** B. Frengstad, Norges representant

**International Continental Drilling Program (ICDP):** M. Smelror, member of the Assembly of Governors (AOG), Ø. Nordgulen, member of the Executive Committee (EC)

**International Mineralogical Association, Commission for Applied Mineralogy:**  
M.A.T.M. Broekmans, chairman

**Journal of Geochemical Exploration:** A. Müller, associate editor

**Journal of Geochemical Exploration thematic issue in honor of the 150<sup>th</sup> anniversary of the birth of V.I. Vernadsky:** A. Müller, guest editor

**Marine Observation and Data Expert Group (MODEG):** T. Thorsnes

**Natural History Museum of London:** A. Müller, Research Associate

**NORDQUA (Nordic Union for Quaternary Research):** E. Larsen, leder

**Northeast Atlantic Geoscience (NAG):** J. Høst, co-ordinator

**PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways, a network research programme endorsed by IASC):** L.R. Bjarnadóttir, steering committee

**RILEM Technical Committee on Avoiding Alkali Aggregate Reactions in Concrete (TC AAA):** M.A.T.M. Broekmans, member

**Science of the Total Environment:** C. Reimann, editorial board member

**Vestnik:** M.A.T.M. Broekmans, associate editor

**Zeitschrift für Geologische Wissenschaften:** A. Müller, associate editor

## VERV I NASJONALE ORGANISASJONER OG KOMITEER

- Akershus fylkekommune, Regionalplan for masseforvaltning:** K. Wolden, medlem av prosjektgruppe
- CAGE, Senter for arktisk gasshydrat, miljø og klima:** J. Knies, forskningsleder
- Fennoscandian Exploration and Mining (FEM 2015):** J.S. Sandstad, medlem av organisasjonskomité
- Forum for Alkali-Reactions in Norway (FARIN):** M.A.T.M. Broekmans, secretary
- Forvaltningsplan for havområdene utenfor Lofoten og Barentshavet:** T. Thorsnes, medlem av Overvåkningsgruppe
- FRAM-senteret:** Ø. Nordgulen, medlem av forskningsledergruppen
- Implementering EUs Vanddirektiv, Direktoratgruppen:** A. Dagestad. Prosjekt Grunnvann: A. Dagestad. Prosjekt Miljøtilstand: B. Frengstad, Prosjekt Overvåking: B. Frengstad..
- Midtnorsk Geofagnettverk:** B.F. Moen, varamedlem NGF, G.V. Ganerød, medlem
- Mineral resources in the Arctic, Arctic Conference Days:** H. Schiellerup, leder av programkomité
- Nasjonal toktkomite og instrumentpool:** R. Bøe, leder, L. Plassen, nestleder
- Naturtyper i Norge (NiN):** M. Dolan, medlem av Vitenskaplig råd og Marin faggruppe
- Norsk bergforening:** J.S. Sandstad, styremedlem
- Norsk Bergindustri:** K.A. Aasly, medred. i tidsskriftet Mineralproduksjon
- Norsk Bergindustri, Natursteinskomitéen:** K.A. Aasly, medlem
- Norsk Fagbibliotekforening:** G. Henriksen, varamedlem
- Norsk Fagbibliotekforening avd. Trondheim:** G. Henriksen, nestleder
- Norsk Geologisk Forening:** B.F. Moen, generalsekretær, T. Thorsnes, medlem av valgkomite, R. Dahl og O. Olesen, styremedlemmer
- Norsk komité for geoarv og geoparker:** R. Dahl, T. Heldal, medlemmer
- Norwegian Broadband Seismometer Pool:** O. Olesen, steering committee
- Norwegian Center for Geothermal Energy Research:** B. Frengstad, styremedlem
- Standard Norge, Komité for tilslag (SN/K 005):** E. Erichsen, medlem
- Standard Norge, Referansekomité for naturstein (SN/K 343):** K.A. Aasly, leder
- Universitetet i Oslo, Naturhistorisk museum:** B.F. Moen, styremedlem
- Universitetet i Troms, Forskerskolen for Arktisk marin geologi og geofysikk:** J. Knies, styremedlem
- Vegdirektoratet, Styringsgruppe for steinmaterialer:** E Erichsen, medlem

## **SENSORER, VEILEDERE OG BEDØMMELSESKOMITÉER**

**Christian Albrecht Univerität, Kiel:** J. Ebbing

**ETH Zurich:** F.X. Yugsi Molinas

**Frie Universiteit Amsterdam:** C. Reimann, member of thesis committe N. Welraven

**Høgskolen i Telemark:** I.L. Solberg

**Høgskulen i Sogn og Fjordane (HiSF):** A. Romundset

**Norges Tekniske Naturvitenskapelige Universitet (NTNU):** M. Brønner, R. Bøe,

A. Dagestad, J. Ebbing, H. Elvebakk, E. Erichsen, H. de Beer, T.E. Finne, O.

Fredin, D. Gasser, T. Grenne, L. Hansen, R.L. Hermanns, A. Müller, Ø.

Nordulen, L. Rise, A. Romundset, J.S. Sandstad, T. Slagstad, I.L. Solberg

**Simona Frasor University, Canada:** R.L. Hermanns

**UNIS, University Centre in Svalbard:** L.R. Bjarnadottir, P.T. Osmundsen

**Universitetet i Bergen:** O. Longva, P.T. Osmundsen, A. Romundset

**Universitetet i Oslo:** A. Engvik, G.V. Ganerød, T. Grenne, L. Hansen, P.T.

Osmundsen, T. Redfield

**Université Paul Sabatier, Toulouse:** B. Bingen

**Universitetet i Stockholm:** E. Larsen

**Universitetet i Tromsø:** J.F. Dehls, L. Hansen, R.L. Hermanns, G.B. Meyer, L.

Olsen, A. Romundset, J.S. Sandstad

**Universitetet i Tromsø, Forskerskolen for Arktisk maringeologi og geofysikk:**

L.R. Bjarnadóttir, J. Knies, L. Plassen

**University of Cape Town:** K. Saalman

**University of Grenoble, France:** S. Buiter

**University of Johannesburg:** K. Saalman

**University of Liège, Belgium:** M. Ganerød

**University of Plymouth:** J. Knies

**University of Strasbourg, France:** G. Peron-Pinvidic

**University of Witwatersrand, Johannesburg:** K. Saalman



NORGES  
GEOLOGISKE  
UNDERSØKELSE  
· NGU ·

Norges geologiske undersøkelse  
Postboks 6315, Sluppen  
7491 Trondheim, Norge

Besøksadresse  
Leiv Eirikssons vei 39  
7040 Trondheim

Telefon 73 90 40 00  
E-post [ngu@ngu.no](mailto:ngu@ngu.no)  
Nettside [www.ngu.no](http://www.ngu.no)