

Museplass (3.etg/2nd floor)

Mandag 7. januar / Monday January 9th

Time	T1 Mineraler for neste generasjon / Minerals for the next generation	
	<i>Chair: Sabina S Palinkas, UiT, Håvard Grønnevik, UiB</i>	
	Title	Authors
12:40	The United Nations Framework Classification for Resources (UNFC)	Heiberg, S., <u>Blystad, P.</u> , Tulsidas, H., Griffiths, C.
13:00	Responsible and sustainable administration of mineral resources in Norway	<u>Brekken, M.</u>
13:20	Onshore – Offshore correlation of mineral systems along the Norwegian Continental Shelf: A first look	<u>Ryan, E.J.</u> , Fichler, C., Sørensen, B.E., Larsen, R.B.E., Viola, G.A.
13:40	The Norwegian Petroleum Directorate's seabed mapping of Fe-Mn crusts and massive sulphide deposits	<u>Stenløkk, J.</u> , Bering, D., Sandstå, N.R., Brekke, H., Bjørnstad, A.
14:00	Methodology for quantifying the aggregated seafloor mineral resource potential along the mid-Atlantic ridge	<u>Ellefmo, S.L.</u> , Juliani, S., Sinding-Larsen, R.
14:20	Evolution of the Arctic Mid-Ocean Ridge hydrothermal vent fluids: insight from mineral chemistry and fluid inclusion studies	<u>Palinkas, S.S.</u> , Pedersen, R.B., Thorseth, I.H.
14:40	Importance of deep-seated ultramafic magma-reservoirs in conditioning for Cu-Ni-PGE formation in upper-crustal mafic-ultramafic formations	<u>Larsen, R.B.</u> , Sørensen, B.E., Grant, T.B., Tollefsrud, L., Vold, M.O.
15:00	Coffee break	
	T1 Mineraler for neste generasjon / Minerals for the next generation	
	<i>Chair: Axel Müller, UiO, Ida Marie Gabrielsen, UiB</i>	
15:20	Sulfide mineralizations in the deep rooted Reinfjord ultramafic complex, Nord-Troms	<u>Voll, M.O.</u> , Larsen, R.B.E., Sørensen, B.E.
15:40	Petrology, ore potential, and tectonic setting of the late-Svecofennian Hamn intrusion, West Troms Basement Complex, North Norway	<u>Hansen, H.</u> , Bergh, S.G., Palinkas, S.S.
16:00	The Fen carbonatite complex, Norway: A potential world class rare earth mineral deposit - is it the Norwegian global contribution to future green technologies?	<u>Dahlgren, S.</u>
16:20	Using hyperspectral scanning to log cores: example of the Fen complex, Telemark, Southern Norway	<u>Coint, N.</u> , Dahlgren, S.,
16:40	Chemistry of quartz related to the Zinnwald/Cínovec Sn-W-Li greisen-type deposit, Eastern Erzgebirge, Germany	<u>Müller, A.</u> , Herklotz, G., Giegling, H.
17:00	Using tourmaline as a guide to the magmatic-hydrothermal transition in the Land's End granite: Optical properties, mineral chemistry, microtextures, and field relations	<u>Drivenes, K.</u> , Brownscombe, W., Larsen, R.B. Seltmann, R., Spratt, J., Sørensen, B.E.
17:20		
17:40	End of day	

Museplass (3.etg/2nd floor)

Tirsdag 8. januar / Tuesday January 8th

T1 Mineraler for neste generasjon / Minerals for the next generation		
<i>Chair: Kristian Drivenes, NTNU, Bjørn Sørensen, NTNU</i>		
Time	Title	Authors
08:40	The Nussir and Ulveryggen Cu- ores, Repparfjord Tectonic Window, Finnmark.	<u>Nilsen K.S.</u>
09:00	Origin of the Cu deposits of Nussir and Ulveryggen, Repparfjord Tectonic Window, Northern Norway	<u>Mun, Y.</u> , Palinkas, S.S., Bekker, B., Kullerud, K.
09:20	Stable isotope geochemistry of the stratiform iron Dunderlandsdalen deposits, Nordland	<u>Lie, K. R.</u> , Strmic Palinkaš, S. Bergh, S. G and Lie F.
09:40	The importance of hydrothermal recrystallization of quartz for quartz raw-material refinement	Seljeset, K.K., Brenden-Veisal, T., Berg-Larsen, R., <u>Aasly, K.</u>
10:00	A review of graphite deposits in Northern Norway and the latest exploration results	<u>Rønning, J.S.</u> , Gautneb, H., NGU graphite team
10:20	Lunch	
T1 Mineraler for neste generasjon / Minerals for the next generation		
<i>Chair: Kristian Drivenes, NTNU, Bjørn Sørensen, NTNU</i>		
10:40	Resourcing the Anthropocene	<u>Heldal, T.</u>
11:00	Remediation of acid mine drainage at Løkken Verk in Trøndelag, Norway	<u>Hauptfleisch, U.</u>
11:20	Marine mine tailings disposal at Lillebukt, Stjernsundet, North Norway	<u>Bøe, R.</u> , Sandøy, R., Baeten, N.J., Lepland, A., Bellec, V.K., Chand, S., Longva, O., Klug, M., Plassen, L., Schönenberger, J.
11:40	Sediment particle roundness in subsea tailings from Cu-mining in Arctic Norway	<u>Sæther, O.M.</u> , Gautneb, H., Finne, T.E., Eggen, O.A., & Broekmans, M.A.T.M.
12:00	Biogeochemical processes in submarine mine tailings and the impact on benthic fauna	<u>Olsen, L. M. B.</u> , Kutti, T., Dahle, H., Hafliðason, H., Thorseth, I.H.
12:20	Lunsj	
T7 Geologisk-teknologisk grensesnitt / Geological-technological interface		
<i>Chair: Atle Rotevatn, UiB, Elisabeth Femsteinevik, Faroe Petroleum</i>		
15:40	A New Method for Offshore Meter-Scale 3D Site Characterization	<u>Lebedeva-Ivanova, N.</u> , Polteau, S., Zastrozhnov, D., Planke, S., Bellwald, B., Vanneste, M., Sauvin, G., Myklebust, R.
16:00	Deep Learning of Geological Structures in 3-D Seismic Data	<u>Wrona, T.</u> ; Pan, I., Bell, R.E., Fossen, H. Gawthorpe, R.L.
16:20	Enhanced lithological description of the Jurassic sequence in the Viking Graben and Oseberg Terrace using machine learning	<u>Bøe, H.W.</u> , Duffaut, K., Brandsegg, K.B.
16:40	RePlug® - a novel material with eternal cementing in mind	<u>Clausen, J.A.</u> , Kvassnes, A.J.S.
17:00		
17:20	End of day	

Museplass (3.etg/2nd floor)

Onsdag 9. januar / Wednesday January 9th

T5 Hydrogeologi / Hydrogeology		
<i>Chair: Kirsti Midtømme, NORCE, Kevin Tuttle, Norconsult</i>		
Time	Title	Authors
08:40	Baseline groundwater chemistry in Norway; status and trends	<u>Gundersen, P.</u> , Seither, A., Jæger, Ø.
09:00	Assessment of the Groundwater Monitoring Program at Oslo airport	<u>Hasnain, S.M.</u> , French, H.K., Fikse, A.N.
09:20	Understanding stacked aquifers in consolidated rocks	<u>Ruden, F.</u> , Morris, S.
09:40	Åknes rockslide hydrogeology	<u>Sena, C.</u> , Bjørn-Hansen, F., Bruun, H.R., Ringstad, S.R., Braathen, A., Mulrooney, M., Pless, G.
10:00	Managing and monitoring dynamic ravinement processes	<u>Sundal, A.</u>
10:20	Modelling snowmelt infiltration and basal ice formation in a seasonally-frozen soil	<u>Stuurop, J.C.</u> , French, H.K.
10:40	Coffee break	
T5 Hydrogeologi / Hydrogeology		
<i>Chair: Pål Gundersen, NGU, Anja Sundal, UiO</i>		
11:00	Groundwater pressure and drainage behind concrete lining of the Ulvin railway tunnel. Evaluation before and after construction.	<u>Tuttle, K.J.</u>
11:20	Hydrogeological tools in urban runoff management – case study from Torshovdalen, Oslo	<u>Sena, C.</u> , Sundal, A., Uglum, M., Kristiansen, I., Kvitsjøen, J.
11:40	In situ removal of iron and manganese, the Vyredox treatment system at Elverum	<u>Aagard, P.</u> , Sena, C., Sundal, A., French, H.K.
12:00	Monitoring redox sensitive conditions at the groundwater interface using electrical resistivity and self-potential	<u>Fernandez, P.M.</u> , Bloem, E., Binley, A.M., Phillippe, R., French, H.K.
12:20	ORMEL 2 – Iron and manganese in ATES systems	<u>Stenvik, L. A.</u> , Gjengedal, S., Frengstad, B. S., Ramstad, R. K.
12:40	Developing Borehole Thermal Energy Storage (BTES) towards high temperature (HT) BTES	<u>Midtømme, K.</u> , Skarphagen, H., Kvalsvik, K.H., Ramstad, R.K., Justo-Alonso, M., Bastesen, E.
13:00	Lunch	
14:00	End of conference and poster down	

