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Onsdag 6 januar

Welcome Øystein/Thorbjørn (10 min.) Practicalities (5 min.)

09:00 [Plenary: May-Britt Myhr: Neste kapittel i 'Geologi for samfunnet' – NGU mot 2030\(30 min\)](#)
Brøgger (30 min)

	Sesjon 1	Sesjon 2	Sesjon 3	Sesjon 4
10:15			Coffee break	
	T2 Sedimentologi	T1 Berggrunn	T12 Geovitenskap	T13 Digital
10:30	Sediment transport and upland linkages in an enormous intracratonic basin - Insights from cross-disciplinary source-to-sink studies in the Greater Barents Sea. Eide, C.H., Gilmullina, A., Sirevaag, H., Paterson, N.W., Haile, Line, H.L., Suslova, A., Klaus	The Ersfjord Granite: A result of anatexis in a Svecofennian accretionary thrust system. Haaland L.C., Bergh, S.G.	An integrated geological characterisation of marine ground conditions for offshore wind foundations in the North Sea. Petrie, H.E., Eide, C.H., Hafliðason, H., Watton, T.	Digital Festningen: a dark season journey through 300 million years of geological evolution. Senger, K., Betlem, P., Birchall, T., Grundvåt, S.-A., Mørk, A., Planke, S., Smyrak-Sikura, A., Kuckero, L.
10:50	Recognising tectonic and climatic signals in the Paleogene stratigraphy offshore Norway. Somme, T.O., Skogseid, J. Embry, P., Løseth	Deciphering the structural and metamorphic history of the Balsfjord Series in the Scandinavian Caledonides of northern Norway. Höpfl, S., Konopásek, J., Stünitz, H.	Oslo Lufthavn Gardermoen, erfaring med etablering og drift av geotermisk anlegg med 1500 m dype brønner. Midtømme, K., Hanstad, N., Kvalsvik, K.H.	From analog to digital Geology: How to maximize the value of field and drone data in an integrated workflow using next generation algorithms, machine learning and process models in a cloud-based data ecosystem for improved Exploration, subsurface characterization and virtual training. Le Guern, P., Slettemeas, T., Holme, A.K.F., Ahokas, J., Etchebes, M., Bounaim, A., Karakas, C. & Skeie, J.E.
11:10	Triassic sediment supply reconstructions in the Greater Barents Sea Basin. Gilmullina, A., Klausen, T.G., Doré, A.G., Sirevaag, H., Suslova, A., Eida, C.H.	Tectonostratigraphy in northern Gudbrandsdalen and implications for the regional tectonostratigraphy and tectonic evolution of the Scandinavian Caledonides, Norway. Jakob, J.	Kartlegging av grunnvannsstrømning og interaksjon mellom ferskt grunnvann, elv og salt grunnvann ved nyetablerte løsmassebrønner i et kystnært grunnvannsmagasin. Bergersen, A., Frengstad, B. & Hilmo, B.O.	Multi-geophysical data integration using cluster analysis: Assisting geological mapping in Trøndelag, Mid-Norway. Wang, Y., Ksienzyk, A., Brønner, M.
11:30			Coffee break	
	T2 Sedimentologi	T1 Berggrunn	T12 Geovitenskap	T13 Digital
11:45	Curtis Wars, episode IV: Return of the (Je)tide: Tidal dynamics in palaeo-seas in response to long-term changes in bathymetry, tidal forcing, and bottom shear stress. Zuchuat, V., Steel, E., Mulligan, R.P., Collins, D.S., Green, J.A.M.	Caledonian Orogeny: Possible origin of the Møre-Trøndelag Fault Complex (MTFC). Torp, A.	Hvordan står det til med Norges grunnvann? Kartlegging av belastede grunnvannsforkomster. Seither, A., Dagestad, A., Gundersen, P.	Foredraget her er flyttet til kl 14:25
12:05	Platform carbonates of the Hambergfjellet Formation on Bjørnøya: a field and microfacies study. Strand, M.S., Paulsen, C., Mørk, A.	The Trongdalen shear zone, a newly discovered structure of possible Devonian age in the Western Gneiss Region. Olesen, O., Bjørlykke, A., Ganerød, M., Gernigon, L., Rueslåtten, H.G., Schönenberger, J.	Incrustation monitoring and rehabilitation in Norwegian groundwater works. Stenvik, L.A.	Transforming the role of the Digital Geoscientist into the next decade: Enhancing Seismic interpretation and 3D modeling using novel Machine learning tools to automate, speed up and improve accuracy of Subsurface characterization and Reservoir development. Øvreide, A., Slettemeås, T., Manral, S., Marquez, D., van der Hoff, G. & Alee, A.
12:25	Fluid alteration of Ordovician limestones in the Baltoscandian Basin during Caledonian collision revealed through trace-element mapping and U-Pb dating by LA-ICP-MS. Hagen-Peter, G., Wang, Y., Hints, O., Lepland, A.	Late Paleozoic Supradetachment Basin Configuration in SW Barents Sea – Intrabasement Seismic Facies of the Fingerdjuvet Subbasin. Gresseth, J. L. S., Braathen, A., Serck, C. S., Faleide, J. I. & Osmundsen, P. T.	In situ removal of Iron, Manganese, and other heavy metals from groundwater. Qurradi, Y., Sundal, A., Aagaard, P.	Groundwater Flow Patterns Prediction using Unsupervised Machine Learning. Quiroga, E., Smith, S.
12:45			Lunch med postersesjon	
	T2 Sedimentologi	T1 Berggrunn	T12 Geovitenskap	T13 Digital
	Provenance of the Middle Triassic Kobbe Formation in the SW Barents Sea – constraining the Fennoscandian sand and	The brittle architecture of the Sognefjord-Nordfjord area, Western Norway: fault mineralizations, paleo-stress analysis, K-	3D-modelling of Subsurface Stratigraphy at Mosvatnet, Stavanger, Norway. Gutierrez, I., Weibull, W., Olsen, T.M.,	Collector & Field Maps for ArcGIS: using Web Maps for data collection on the field. Hibelot, T.

13:45	locating the mixing zone. Sirevaag, H., Eide, C.H., Gilmullina, A., Pedersen, L.-E. R.	Ar fault dating, and (U-Th)/He thermochronology. Hestnes, Å., Gasser, D., Scheiber, T., Ksienzyk, A. K. & Jacobs, J.	Watson, L.
14:05	Introducing the concept of detrital zircon age-spectra stratigraphy. Harstad, T.S., Slagstad, T., Kirkland, C.L. Mørk, M.B.E.	How digital outcrop analysis enhances understanding of rift basin architecture (Billefjorden Trough, Svalbard)? Smyrak-Sikora, A., Braathen, A., Janocha, J., Johannessen, E.P., Lord, G., Olausen, S., Senger, K., Stemmerik, L., Würtzen, C.L.	Measuring landscapes and infrastructure from space, the Norwegian Ground Motion Service (InSAR.no). Dehls, J., Bredal, M., Larsen, Y., Stødle, D., Marinkovic, P.
14:25	Properties and Diagenesis of Palaeozoic Sandstones, Bjørnøya. Paulsen, C., Strand, M.S., Mørk, M.B.E., Mørk, A.	Strike-slip faults in the Oslo Region - Caledonian compression or Permian transtension? Ryen, S.H., Lundmark, A.M., Augland, L.E.	Pore pressure evolution and related risks at Gaustad, Norway. Sæten, R. B., Bjørvik, D., Pisel, J.R., Pycrc, M.J., F. V., Sundal, A. & Tuttle, K. J.
14:45	Coffee break		
	T2 Sedimentologi	T1 Berggrunn	T12 Geovitenskap
15:00	Identifying and constraining sedimentary recycling from microscopic fluid inclusions in quartz overgrowths. Haile, B.G., Line, L.H., Klausen, T.G., Olausen, S., Eide, C.H., Jahren, J., Hellevang, H.	Stress and deformation in the Norwegian Barents Sea caused by Paleogene transpression along the Greenland-Eurasia plate boundary. Gac, S., Minakov, A., Shepard, G.E., Faleide, J.I., Planke, S.	The urban water cycle – challenges and knowledge gaps. Venvik, G.
15:20	Multi-scale influence of topography on shallow-marine successions associated with long-term transgressions: from Argentinean outcrops to the Norwegian shelf subsurface. Poyatos-Moré, M., Schwarz, E., Boya, S., Gomis-Cartasio, L. and Midtkandal, I.	North Atlantic-Arctic tectonics related to the wider Barents Sea paleogeography and basin evolution. Abdelmalak, M.M., Faleide, J.I., Gac, S., Planke, S.	Kvantifisering av grunnvasstrøm med DTS for bedre BTES design. Kvalsvik, K.H., Ramstad, R.K., Midttømme, K., Holmberg, H.
15:40	Re-Os geochronology of black shale from Central Spitsbergen, Svalbard: a stepping stone toward establishing the age of the J/K boundary. Park, J., Stein, H.J., Hannah, J.L., Georgiev, S.V., Yang, G., Hammer, Ø. Olausen, S.	Understanding breakup magmatism and climate by IODP drilling offshore mid-Norway in 2021. Planke, S., Huismans, R., Berndt, C., Gernigon, L., Buenz, S., Faleide, J.I., Jones, M., Svensen, H., Jerram, D.A., Millett, J.M., Myklebust, R.	The International Continental Scientific Drilling Program (ICDP) – status and prospects for 2020 – 2030. Nordgulen, Ø., Schiellerup, H.
16:00	End of day		

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