

Teatergaten (2.etg/1st floor)

Mandag 7. januar / Monday January 9th

Time	T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate	
	<i>Chair: Israel Polonio, Lundin, Tore Klausen, Petrolia</i>	
	Title	Authors
12:40	Revised stratigraphy of Sylfjellet, Svalbard: a new contribution to the Paleogene Van Mijenfjorden Group	<u>Jochmann, M.M.</u> , Augland, L.E., Lenz, O., Bieg, G., Haugen, T., Grundvåg, S.A., Jelby, M.E., Midtkandal, I., Dolezych, M., Hjalmsdóttir, R.
13:00	Utsira and Eir formations; subdivision age and distribution	<u>Rundberg, Y.</u>
13:20	Occurrences of <i>Thalassinoides</i> isp. within an organic rich hydrocarbon source rock; the Botneheia Formation, Edgeøya, Svalbard	<u>Bernhardsen, S.</u> , Engelschiøn, V.S., Mørk, A.
13:40	Temporal changes of the benthic environmental conditions in a subarctic fjord with aquaculture activity	<u>Vågen, H.K.</u> , Alve, E., Hess, S., Renaud, P.
14:00	A new group of phytoplankton appearing around Pangea during the Upper Triassic - Where do find them and what do they tell us?	<u>Mangerud, G.</u> , Paterson, N.W., Riding, J.B
14:20	Sequences, parasequences and sub-sequences, the sedimentological framework for the Triassic Succession of Svalbard and northern Barents Sea	<u>Mørk, A.</u> , Lord, G.S., Høy, T.
14:40	Screening the Earth: Geological data for understanding past, present and future	Nyberg, B., Aadland, T., Gawthorpe, R., <u>Helland-Hansen, W.</u>
15:00	Coffee break	
	T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate	
	<i>Chair: Atle Mørk, NTNU</i>	
15:20	A new organic carbon isotope curve across the Jurassic–Cretaceous boundary in Svalbard: Implications for regional and global-scale correlations and carbon cycling	<u>Jelby, M.E.</u> , Koevoets, M.J., Sliwiska, K.K., Alsen, P., Stemmerik, L., Olaussen, S.
15:40	Clumped isotope thermometry in Cenozoic paleoceanography	<u>Meckler, A.N.</u> , Piasecki, A., Meinicke, N., Leutert, T., Ho, S.L.
16:00	Mid-Pliocene North Atlantic sea surface temperatures from clumped isotope thermometry	<u>Braaten, A.H.</u> , Meinicke, N., Ho, S.L., De Schepper, S., Meckler, A.N.
16:20	Carboniferous Permian climate changes as recorded in Svalbard.	<u>Olaussen, S.</u> , Stemmerik, L., Drøhse, T.S., Johannessen, E., Smyrak-Sikora, A.
16:40	Assessing the risk of geohazards at the plateau glacier Folgefonna in a warmer climate – evidences from distal glacier-fed lakes	<u>Bakke, J.</u> , Røthe, T., Stølsen, E., Johansson, F.M.E.
17:00	Holocene glacier trends at sub-Antarctic South Georgia	<u>Oppedal, L.T.</u> , Bakke, J., Paasche, Ø., Werner, J.P., Van der Bilt, W.G.M.
17:20	Sedimentation rates in recently glaciated fjord-valley systems – Insights from marine data in Fjærlandsfjorden, a tributary of Sognefjorden.	<u>Thuesen, T.</u> , Helland-Hansen, W., Eide, C.H., Hafliðason, H., Nesje, A.
17:40	End of day	

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Tirsdag 8. januar / Tuesday January 8th

T7 Geologisk-teknologisk grensesnitt / Geological-technological interface		
<i>Chair: Israel Polonio, Lundin</i>		
Time	Title	Authors
08:40	Engineering parameters of Draupne Shale – Fracture characterization and integration with mechanical data	<u>Smith, H.</u> , Bohloli, B., Skurtveit, E., Mondol, N.H.
09:00	Optical modelling of chystallographical data from EBSD and 3D visualization of optical properties from first principles calculations	<u>Sørensen, B.E.</u> , Hielscher, R., Mainsprice, D.
09:20	3D computer animation as a research visualization tool.	<u>Angvik, T.L.</u> , Henderson, I.H.C.
09:40	New Geophysics Database of Norway	<u>Gradmann, S.</u> , Larsen, B.E., de Beer, H.
10:00		
10:20	Lunch	
T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate - Karst		
<i>Chair: Jan Tveranger, UiB and Stein-Erik Lauritzen, UiB</i>		
10:40	Intro: Karstforskning ved UiB: hvorfor er det viktig? (10 min)	<u>Lauritzen, S.-E.</u>
11:00	10:50 Key note: A genetic approach for characterizing paleokarst reservoirs	<u>Tveranger, J.</u> , Kaschwich, T. <u>Lauritzen, S.-E.</u> , <u>Lecomte, I.</u> , <u>Lønøy, B.</u> , <u>Pennos, C.</u> and <u>Pettersen, Ø.</u>
11:20	11:15 Key note: Glacier Ice-Contact Speleogenesis	<u>Lauritzen, S.E.</u>
11:40	Liquid–vapour homogenisation of fluid inclusions in stalagmites: A new thermometer for palaeoclimate research	<u>Krüger, Y.</u>
12:00	Microbial diversity of snottites and biofilms at a pyrite mine in Båsmo (Nordland), Norway	<u>Hribovšek, P.</u> , Lauritzen, S.E., Øverås, L.
12:20	Lunsj	
T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate - Karst		
<i>Chair: Rune Sakariassen, PGS, Tore Klausen, Petrolia</i>		
15:40	Reconstruction of the uplift and subsidence history of Smeaheia, a proposed CO ₂ injection and storage site	<u>Kolnes, J.F.</u> , Anell, I., Mulrooney, M.J., Faleide, J.I., Braathen, A.
16:00	Comparison between two Late Jurassic CO ₂ storage prospects with respect to structural derisking, Smeaheia area, Norwegian North Sea	<u>Osmond, J.L.</u> , Mulrooney, M.J. Skurtveit, E., Braathen A.
16:20	Seal characterisation of the Amundsen Formation for CO ₂ storage in the northern North Sea	<u>Fawad, M.</u> , Hansen, J.A., Johnsen, J.R., Mondol, N.H.
16:40	The compaction of sedimentary rocks	<u>Michelsen, J.K.</u>
17:00		
17:20	End of day	

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Onsdag 9. januar / Wednesday January 9th

T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate		
<i>Chair: Atle Folkestad, Equinor</i>		
Time	Title	Authors
08:40	Opportunities and challenges in the Triassic of the Barents Sea	<u>Johansen, S.K.</u> , Lundschie, B.A.
09:00	Differential Controls on Sediment Distribution and Reservoir Quality in the Lower-Middle Jurassic Stø Fm (SW Barents Sea, Norway)	<u>Poyatos-Moré, M.</u> , Klausen, T.G., Müller, R., Olausen, S., Faleide, J.I., Ahokas, J., Mitdkandal, I.
09:20	Large-scale seismic correlation and sequence stratigraphy in the Triassic of the Barents Sea	<u>Gilmullina, A.</u> , Klausen, T.G., Helland-Hansen, W., Eide, C.H.
09:40	Sediment supply to Svalbard and the Barents Sea in the Late Carnian	<u>Klausen, T.G.</u> , Müller, R., Olausen, S.
10:00	Bjørnelva: A Pleistocene Braided River Imaged in High-Resolution 3D Seismic Data in the SW Barents Sea	<u>Bellwald, B.</u> , Planke, S., Polteau, S., Lebedeva-Ivanova, N., Faleide, J.I., Morris, S.M., Morse, S., Castellort, S.
10:20	Linking regional unconformities in the Barents Sea to compression-induced forebulge uplift at the Triassic-Jurassic transition	<u>Klausen, T.G.</u> , Müller, R., Faleide, J.I., Olausen, S., Suslova, A.
10:40	Coffee break	
T8 Sedimentologi. Stratigrafi og klima / Sedimentology - Stratigraphy and climate		
<i>Chair: Israel Polonio, Lundin</i>		
11:00	Temporal evolution of Norwegian Sea marine 14C reservoir ages 12.5 to 19 kyr ago: implications for deglacial 14C chronologies.	<u>Brendryen, J.</u> , Hafliðason, H., Yokoyama, Y., Haaga, K.A., Hannisdal, B.
11:20	To leach or not? A method study on sample treatment for radiocarbon dating applied during Marine Isotope Stage 3 in the Nordic Seas.	<u>Simon, M.H.</u> , Wacker, L., Muschitiello, F., Jansen, E., Hajdas, I., Dokken, T.M.
11:40	Deglacial ice sheet dynamics of the marine based Fennoscandian ice sheet on the Vesterålen margin	<u>Steinsland, K.</u> , Brendryen, J., Hafliðason, H., Hannisdal, B., Haaga, K.A.
12:00	U-Th dating of seep carbonates reveals episodic methane release from the Vestnesa Ridge off west Svalbard over the last ~170,000 years	<u>Himmler, T.</u> , Sahy, D., Martma, T., Bohrmann, G., Plaza-Faverola, A., Bünz, S., Condon, D., Knies, J., Lepland, A.
12:20	Why you should care about neighbouring sedimentary systems: Overprinted allocyclic processes by tidal resonance in the Upper Jurassic Curtis Formation, Utah, USA.	<u>Zuchuat, B.</u> , Sleveland, A.R.N., Pettigrew, R., Clarke, S.M., Dodd, T., Rabbel, O., Braathen, A., Mitdkandal, I.
12:40	Internal delta-lobe variability and the "filtering" effect in low-accommodation fluvial-marine transition zones: the Cretaceous Mesa Rica Sandstone (New Mexico, USA)	<u>van Yperen, A.</u> , Poyatos-Moré, M., Holbrook, J., Line, L.H., Mitdkandal, I.
13:00	Lunch	
14:00	End of conference and poster down	