

Programme for Boreal Triassic II, Longyearbyen 28 August – 1 September

Friday 28. August

Most participants arrive on mid-day. Accommodation in hotel. Independent walks around central town.

18:00 UNIS. Icebreaker – opening of conference – mounting posters

Evening: Independent meal in different pubs if wanted

Saturday 29. August

8:30 **Gunn Mangerud**: Welcome and opening words

General Triassic geology of Svalbard Chairman: *Hans Arne Nakrem*

8:40 **Atle Mørk**, *Bjørn Anders Lundschie*n: **The Triassic Svalbard Hydrocarbon Play Model;**

A prospective model for the Barents Shelf

9:10 **Mangerud, G.**, *Vigran, J.O., Mørk, A., Paterson, N.W., Ask, M., Hochuli, P.A. & Worsley, D.*:

A formal palynostratigraphy for the Triassic succession of the Norwegian Arctic, with focus on recent results from the Upper Triassic of Hopen

9:40 **Lundschie**n, *B.A., Høy, T. & Mørk, A.*: **Triassic hydrocarbon plays in the northern Barents Sea; results of the Norwegian Petroleum Directorates activities in Svalbard and the northern Barents Sea the last decade**

10:00 Coffee break

10:30 **Lord, G.S.**, *Mørk, A., Sande-Rød, R., Klausen, T.G. & Paterson, N.W.*: **Triassic Depositional Systems of Eastern Svalbard and the Northernmost Barents Sea**

11:00 **Braathen, A.**, *Anell, I., Sikora, A., Mulrooney, M., Haile, B.G., Ogata, K., Osmundsen, P.T., Maher, H., Buckley, S., Hellevang, H. & Olaussen, S.*: **Tectonic influence on platform infill patterns in the mid-late Triassic, Southern Edgeøya, Svalbard**

11:30 **Hounslow, M.W.**: **High resolution age-calibration of the Carnian successions in Svalbard and the Barents Sea: the role of magnetostratigraphy and organic carbon isotope stratigraphy**

12:00 Lunch

Triassic sedimentology of Svalbard Chairman: *Atle Mørk*:

13:00 **Osmundsen, P.T.**, *Smyrak-Sikora, A., Braathen, A., Olaussen, S., Ogata, K. & Anell, I.*: **Sedimentary architecture and facies distribution in Late Triassic, reservoir-scale half-graben, De Geerdalen Formation, East Svalbard**

13:30 **Lord, G.S.**, *Solvi, K.H., Klausen, T.G. & Mørk, A.*: **Triassic channel bodies on Hopen, Svalbard: Their facies, stratigraphic significance and spatial distribution**

14:00 Coffee

14:30 **Hounslow, M.W.**, *Harris, S.E., Lucas, V.A., Mørk, A. & Karloukovski, V.*: **Chronostratigraphy of the youngest parts of the De Geerdalen Formation on Hopen and Wilhelmøya**

15:00 **Olaussen, S.**, *Husteli, B., Lord, G.S., Rismyhr, B., Johannessen, E.P. & Mørk, A.*: **The Early Norian transition in Svalbard and the Barents Sea: A record of slowing down of basin subsidence, alteration of facies associations and shift of provenance and climate change**

15:30 **Twitchett, R.J.**, *Foster, W.J., Challands, T.J. & McGowan, A.*: **Response of marine ecosystems to the Late Permian extinction event: evidence from central Spitsbergen**

16:00 **Deryabin, A.**, *Riis, F., Simonstad, E. & Bjørnstad, A.*: **Experience of using a portable multicopter drone in geological field work**

Saturday evening at 19:00 Conference Dinner in Restaurant Nansen

Sunday 30. August

Triassic paleontology of Arctic Norway Chairman: *Gunn Mangerud*

9:00 *Foster, W.J., Danise, S., Taylor, J. & Twitchett, R.J.*: **Silicified molluscs from the Vikinghøgda Formation, central Spitsbergen: systematic and palaeoecological significance**

9:25 *Nakrem, H.A.*: **Bryozoan distribution across the Permian-Triassic transition, with focus on the Boreal region**

9:50 *Nash, V.E. & Roberts, A.J.*: **The Lower Saurian Level bone bed (Early Triassic) of Flowerdalen, Svalbard**

10:15 Coffee

10:45 *Hurum, J.H., Roberts, J.A., Nakrem, H.A., Stenløkk, J.A. & Mørk, A.*: **ODA - The first recovered ichthyosaur from the Middle Triassic of Edgeøya, Svalbard**

11:15 *Pott, C. & Launis, A.*: **The Mesozoic flora of Svalbard**

11:40 *Launis, A., Pott, C. & Mørk, A.*: **New plant fossils from the Upper Triassic of Hopen, Svalbard**

14:00 *Paterson, N.W., Mangerud, G., Lundschieen, B.A. & Mørk, A.*: **Late Triassic (Carnian-Norian) palynology of stratigraphic core 7533/2-U-1, Sentralbanken High, Barents Sea**

12:05 **12:30 Lunch**

General Triassic Geology Chairman: *Bjørn Anders Lundschieen*

14:00 *Tintori, A., Lombardo, C., Sun, Zuo-Yu, Jiang, Da-Yong & Hitij, T.*: **Late Permian/Early Triassic actinopterygian fishes: recovery vs. revolution**

14:30 *Li, M., Hinnov, L., Huang, C., Ogg, J., Chen, Z.-Q. & Zhang, Y.*: **Cyclostratigraphy and Integrated Time Scale of the Early Triassic**

14:55 *Lee, S., Shi, G.R., Woo, J., Park, T.-A. Y., Kim, Y.-H. G., Tazawa, J.-I., Oh, J.-R. & Choe, M. Y.*: **Revision of Permian spiriferellid brachiopods from the northern margin of Pangea and their stratigraphic, phylogenetic and environmental implications**

15:20 *Jiang, Da-yong, Tintori, A., Motani, R., Rieppel, O. & Cheng, Ji.*: **Early Triassic (Spathian) Chaohu Fauna, the first Mesozoic marine reptile fauna found from South China**

15:15 coffee

16:15 *Baud, A., Richoz, S. & Krystyn, L.*: **Seismites during the Permian-Triassic-transition: the Oman record**

16:35 *Borruei-Abadía, V., Barrenechea, J.F., Galán-Abellán, A.B., Alonso-Azcárate, J., De la Horra, R., Luque, F.J. & López-Gómez, J.*: **Quantifying aluminium-phosphate-sulphate minerals as markers of acidic conditions during the Permian–Triassic transition in the Iberian Ranges, E. Spain.**

17:00 **Summary, comments discussion and information for excursions** Chairman *Atle Mørk*

Posters: (The posters will be up for studies from Icebreaker to Sunday evening)

Borrueal-Abadía, V., López-Gómez, J., De la Horra, R., Galán-Aballán, B., Barrenechea, J.F., Arche, A., Ronchi, A., Gretter, N. & Marzo, M.: Climate variations during the Early–Middle Triassic transition in the E. Iberian plate (10°–14°N) and their palaeogeographic significance in the western Tethys continental domain.

Czarniecka, U.: Petrography and whole-rock geochemistry of siliciclastic deposits of the Middle Triassic on Sørkapp Land, S Spitsbergen

Enga, J. & Mørk, A.: Paleosols in the De Geerdalen and Snadd formations

Fleming, E.J., Flowerdew, M.N.J., Morton, A.C., Smyth, H.R., Scott, R.A. & Frei, D.: Triassic sediment dispersal patterns and their implications for the De Geerdalen Formation as an analogue for the southwest Barents Shelf

Hammer, Ø. & Planke, S.: X-ray microtomography of the P-T boundary beds in the DD-1 core, Deltadalen, Spitsbergen

Holen, L., Paterson, N.W., Mangerud, G., Lundschieen, B.A., Throndsen, I. & Mørk, A.: Carnian palynology from a shallow stratigraphic core from the Sentralbanken High, Barents Sea

Hounslow, M.W., Harris, S.E., Lucas, V.A., Lundschieen, B.A. & Mørk, A.: Magnetostratigraphy and chronostratigraphy of the De Geerdalen, Snadd, Tschermakfjellet and Botneheia formations in wells 7830/3-u-1, 7831/2-u-1 and 7831/2-u-2 (Kong Karls Land) and well 7533/2-U-1, (Sentralbanken High), Northern Barents Sea

Hounslow, M.W., Harris, S.E., Lucas, V.A., Orchard, M.J., Mørk, A. & Lord, G.: Linking lithostratigraphy and chronostratigraphy at the mid to late Triassic transition on Edgeøya, (Svalbard): the role of magnetostratigraphy

Hurum, J.H., Hammer, Ø. & Nakrem, H.A.: The vertebrate faunal recovery in Svalbard after the P-T extinction

Landa, J., Paterson, N.W., Mangerud, G., Mørk, A. & Lundschieen, B.A.: Late Triassic palynology from core 7534/4-U-1, Sentralbanken area, Norwegian Arctic

Meltveit, A., Paterson, N.W., Mangerud, G., Mørk, A. & Lundschieen, B.A.: Late Triassic (Carnian) palynology cores 7831/2-U-1 and 7831/2-U-2 from of Kong Karls Land, Norwegian Arctic

Miljeteig, K.I., Mangerud, G., Paterson, N.W., Lundschieen, B.A., Throndsen, I. & Mørk, A.: Carnian palynology from shallow stratigraphic core 7830/3-U-1, offshore Kong Karls land, Barents Sea

Mueller, S., Hounslow, M.W. & Kürschner, W.M.: Integrated stratigraphy of the Kapp Toscana Group from central Spitsbergen: identification of the Boreal equivalent of the Carnian Pluvial Phase

Piazza, V., Hammer, Ø. & Nakrem, H.A.: Late Smithian (Early Triassic) ammonoids from the uppermost Lusitaniadalen Member (Vikinghøgda Formation), Svalbard

Planke, S., Twitchett, R.J., Zuchuat, V., Svensen, H., Hammer, Ø., Bråten, A., Silkoset, P., Midtkandal, I., Nagy, J., Kürschner, W.M., van Soelen, E., Faleide, J.I., Augland, L.E., Jochmann, M., Zayoncheck, A.V., Haflidason, H., Buckley, S., Kurz, T., Olausson, S., Mørk, A., Løvø, V. & Lie, J.E.: Coring the Permian-Triassic Boundary in Deltadalen, Svalbard

van Soelen, E., Twitchett, R. & Kürschner, W.M.: Palyno- and chemo-stratigraphy of the Permian-Triassic transition in the Boreal region