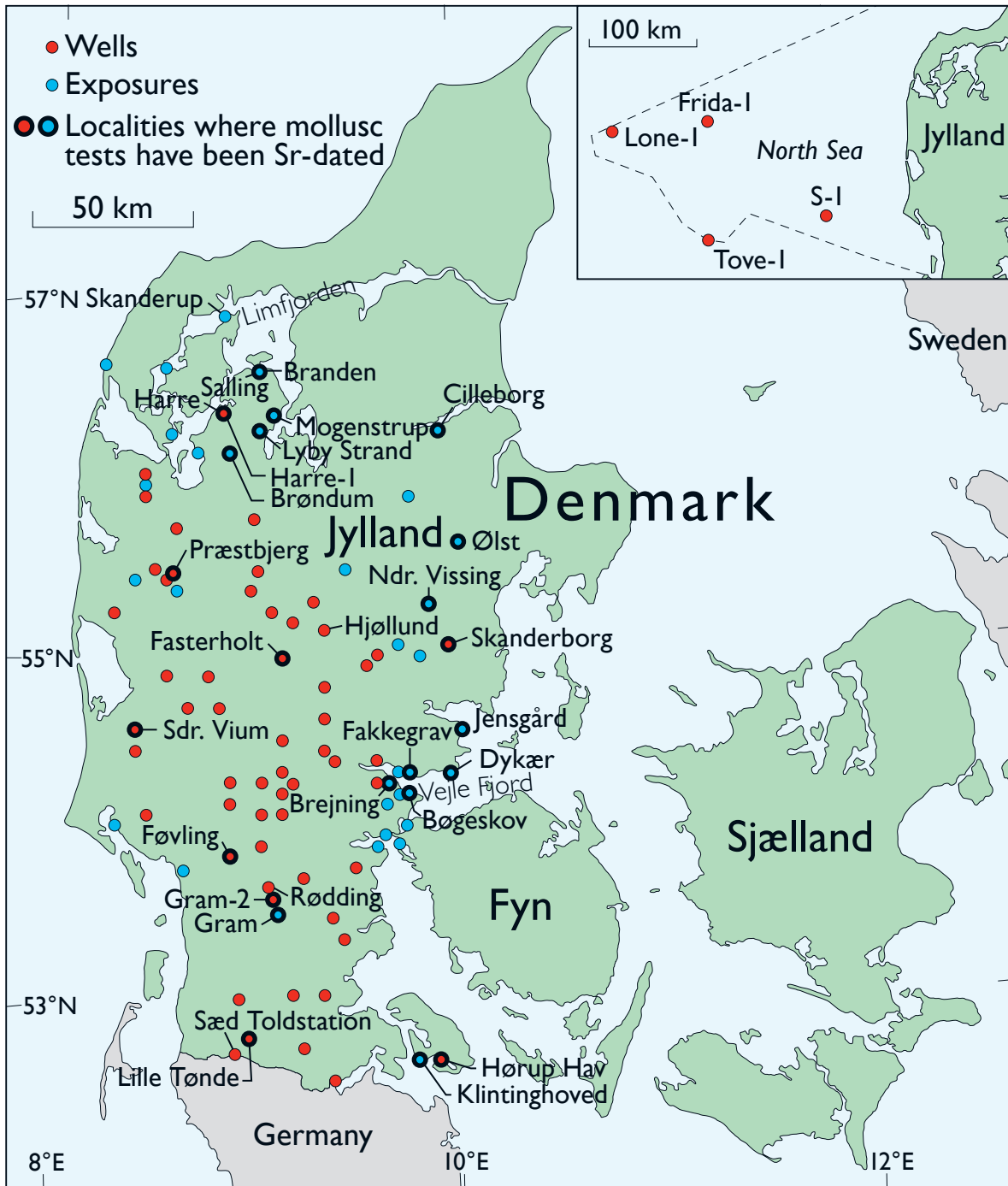


Sr isotope datings of mollusc tests in Danish latest Oligocene - Miocene, well sites and exposures



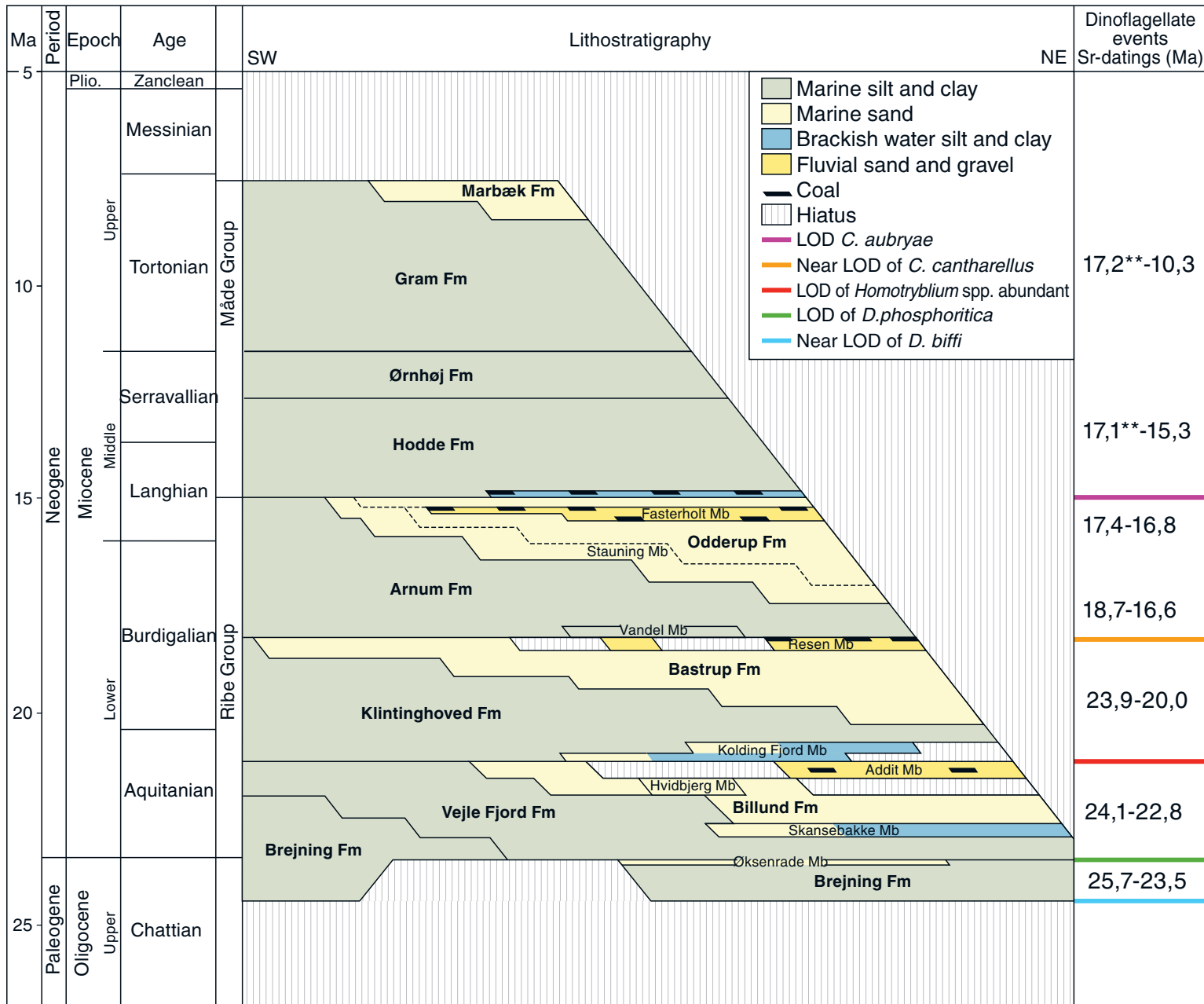
OD 1208035

Fig. 1: Map of onshore and offshore Denmark showing wells, boreholes and outcrops analysed by Dybkjær and Piasecki (2008, 2010) for dinocysts, including sites where mollusc tests have been Sr-dated to facilitate correlation to Norwegian wells and boreholes (modified after Dybkjær and Piasecki 2008, 2010 and Eidvin et al. work in progress).

References

- Dybkjær, K. & Piasecki, S., 2008: A new Neogene biostratigraphy for Denmark. Geological Survey of Denmark and Greenland Bulletin 15, 29-32.
- Dybkjær, K. & Piasecki, S., 2010: Neogene dinocyst zonation in the eastern North Sea Basin, Denmark. Review of Palaeobotany and Palynology 161, 1-29.
- Eidvin, T., Dybkjær, K., Piasecki, S. & Rasmussen, E. S., work in progress: Strontium isotope stratigraphy based on analyses of mollusc tests from the Upper Oligocene-Miocene succession in Denmark with correlation to the Norwegian continental shelf.

Lithostratigraphy of Danish latest Oligocene - Miocene including main results of the Sr-isotope datings



** = These ages might be based on reworked mollusc fragments

OD 1208036

Fig. 2: Lithostratigraphy of the Danish Miocene and latest Oligocene (from Rasmussen et al. 2010). The column to the right shows the palynological stratigraphy of Dybkjær and Piasecki (2008, 2010) and the main results of the strontium isotope datings of mollusc tests from outcrop and borehole samples to facilitate correlation to Norwegian wells and boreholes (from Eidvin et al. work in progress and modified after Eidvin et al. 2010). LOD = Last occurrence datum.

References

Dybkjær, K. & Piasecki, S., 2008: A new Neogene biostratigraphy for Denmark. Geological Survey of Denmark and Greenland Bulletin 15, 29-32.

Dybkjær, K. & Piasecki, S., 2010: Neogene dinocyst zonation in the eastern North Sea Basin, Denmark. Review of Palaeobotany and Palynology 161, 1-29.

Eidvin, T., Dybkjær, K., Piasecki, S. & Rasmussen, E. S., work in progress: Strontium isotope stratigraphy based on analyses of mollusc tests from the Upper Oligocene-Miocene succession in Denmark with correlation to the Norwegian continental shelf.

Eidvin, T., Rasmussen, E. S., Riis, F. & Rundberg, Y., 2010: Oligocene to Lower Pliocene deposits of the Norwegian continental shelf, with correlation to the Norwegian Sea, Greenland, Svalbard, Denmark and their relation to the uplift of Fennoscandia (poster). NGF Abstracts and proceedings of the 29th Nordic Geological Winter Meeting, 11-13 January. Oslo, pp 43-44. Available from the internet:

<http://www.npd.no/Global/Engelsk/3%20-%20Publications/Presentations/NGF-2010-Poster.pdf>

Rasmussen, E. S., Dybkjær, K. & Piasecki, S., 2010: Lithostratigraphy of the Upper Oligocene – Miocene Succession of Denmark, Geological Survey of Denmark and Greenland Bulletin 22, pp. 92 + 9 plates.