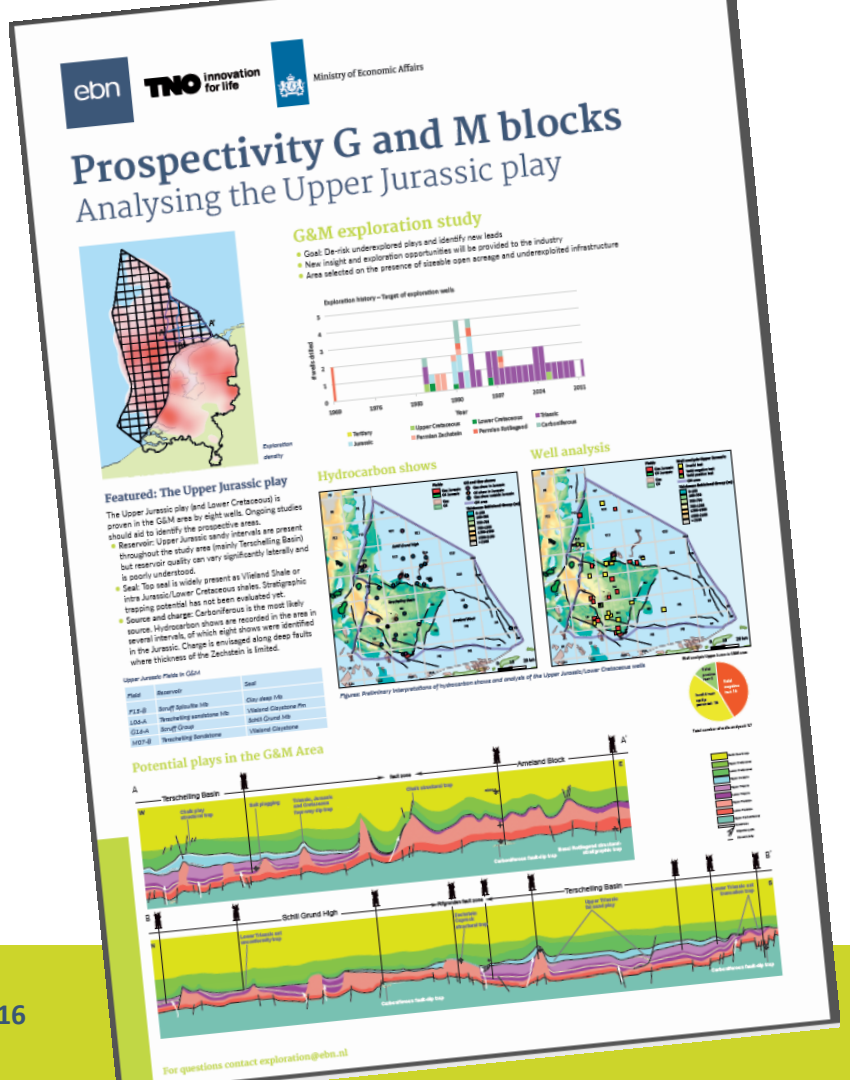


Exploration Day

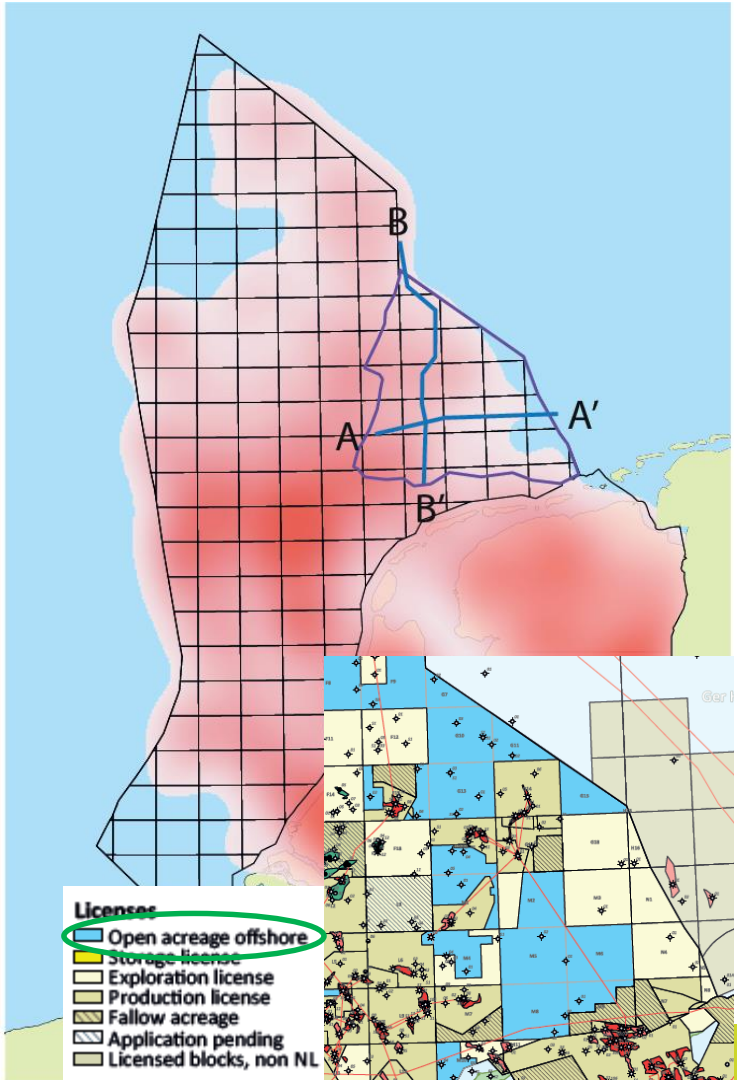
Annemiek Asschert

Prospectivity in the G&M area, offshore Netherlands

Poster #8

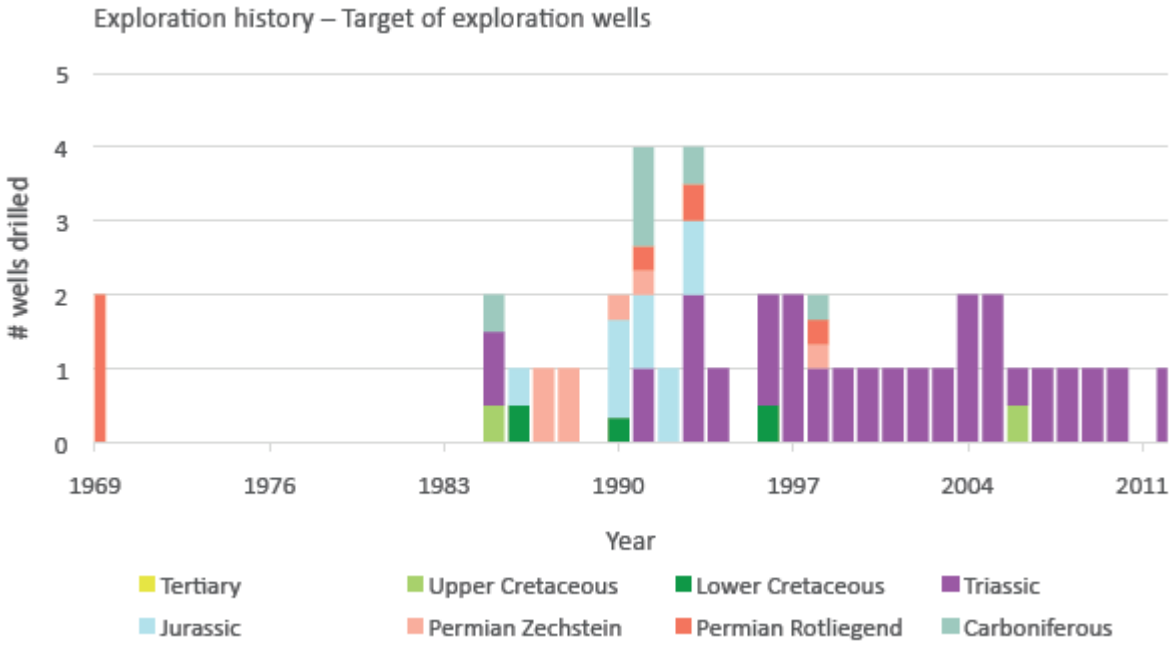
G&M Area

- Goal: De-risk underexplored plays and identify new leads on the Schill Grund High, Ameland Platform and Terschelling Basin.
- New insights and exploration opportunities will be provided to the industry
- Area selected on the presence of **sizeable open acreage** and underexploited infrastructure



Colour indicates exploration density

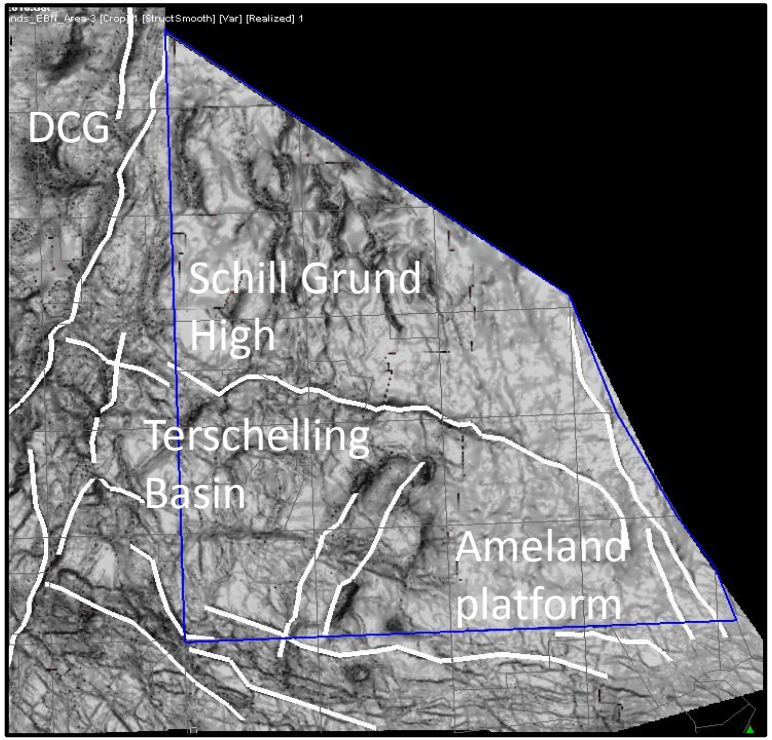
Exploration history of the area

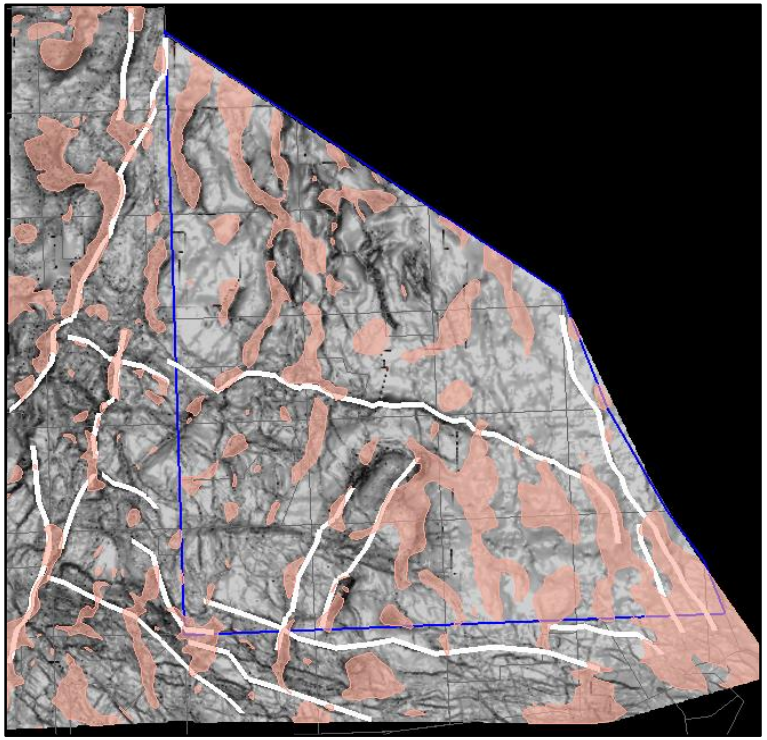


Potential plays in the GM Area

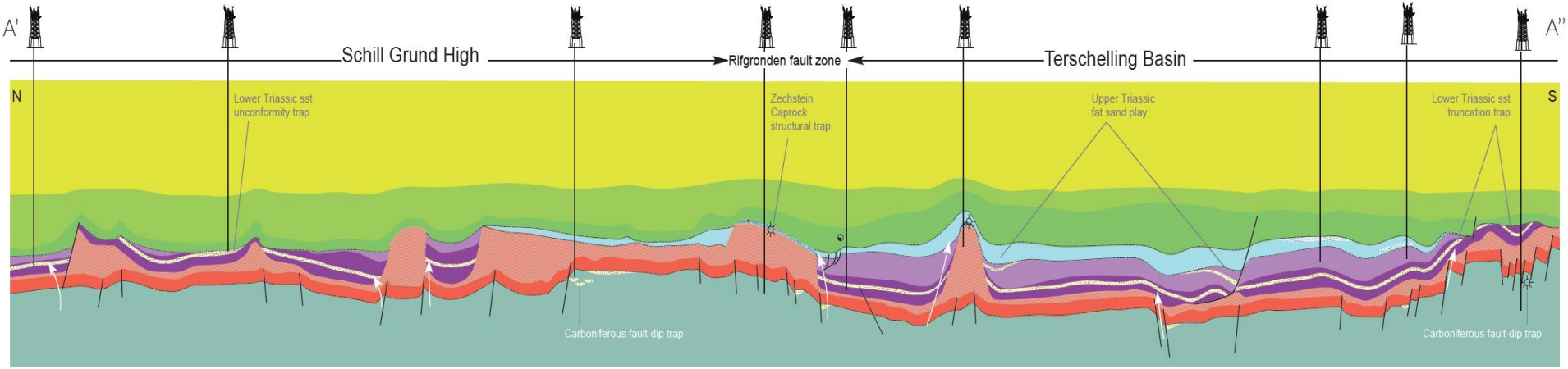
- Tertiary gas sands
- Upper Cretaceous Chalk in 4-way dip closures sealed by Tertiary shales or intra Chalk traps
- Upper Jurassic sandstones in 4-way dip or fault-dip closures sealed by intra-Jurassic/ Lower Cretaceous shales and stratigraphic traps
- Lower Triassic sandstones (4-way dip sealed by Upper Triassic shales/ salt, truncation traps sealed by Lower Cretaceous shale, fat sand play)
- Zechstein caprock on top of salt diapirs sealed by Jurassic or Cretaceous shales
- Basal Rotliegend sandstones sealed by Silverpit clay/Zechstein salt
- Westphalian sandstones in fault-dip traps

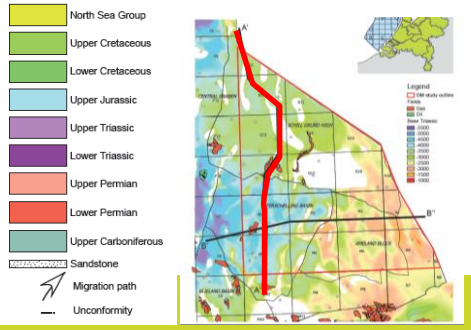
Structural setting – faults and salt walls



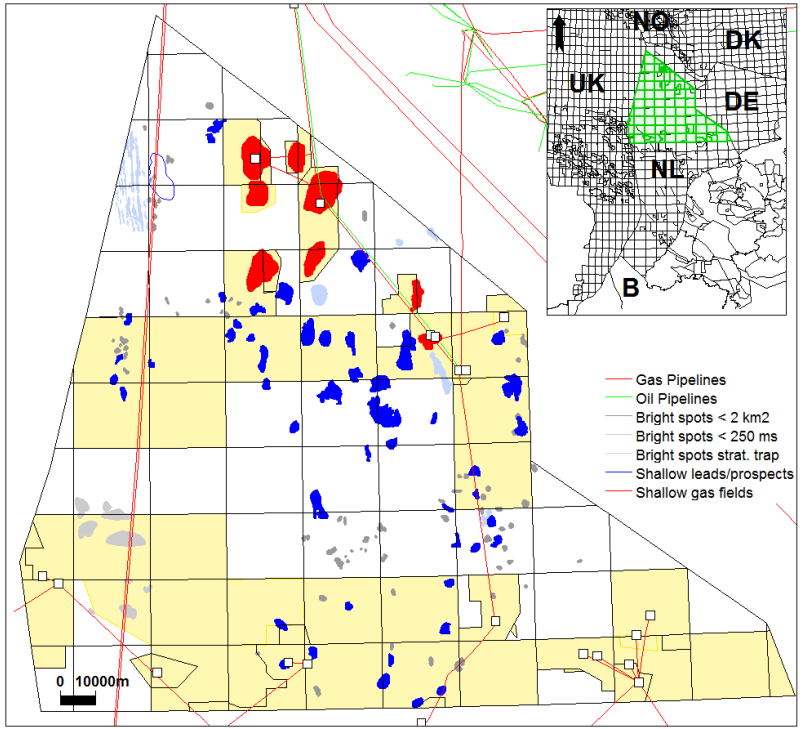


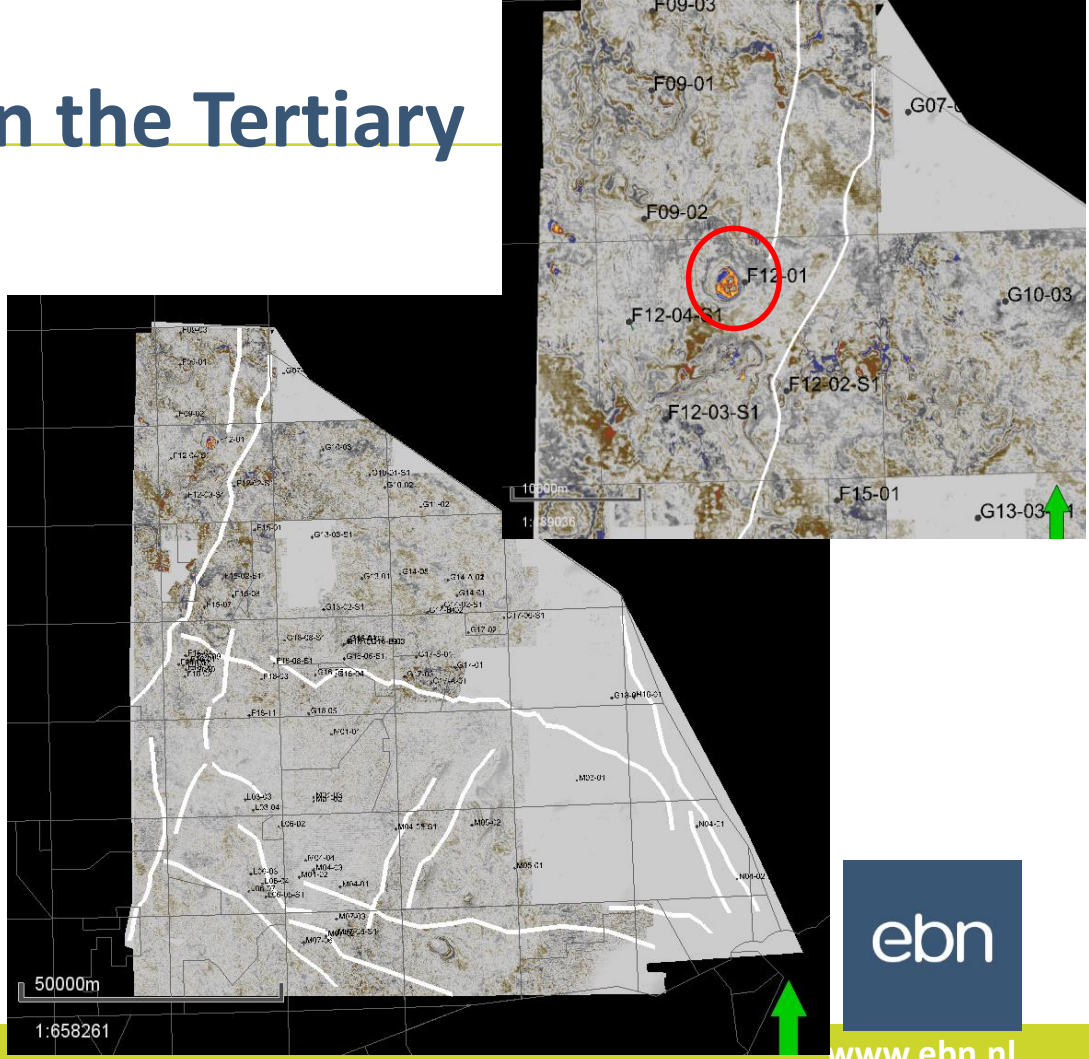
NS Geosection through SGH & TSB





Amplitude anomalies in the Tertiary





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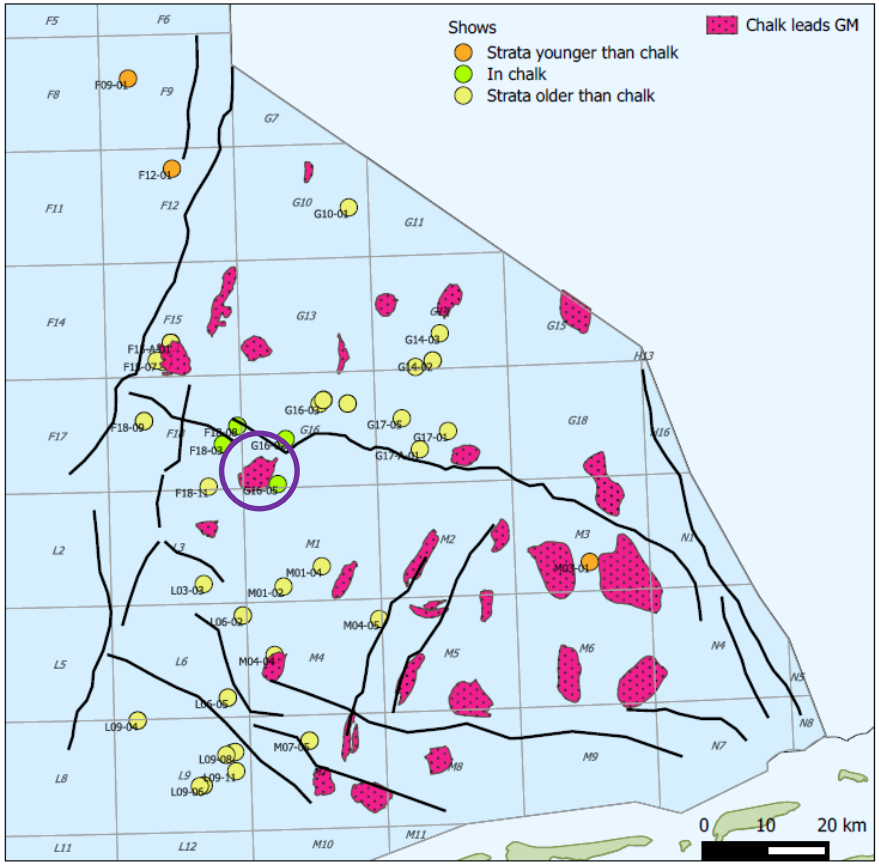
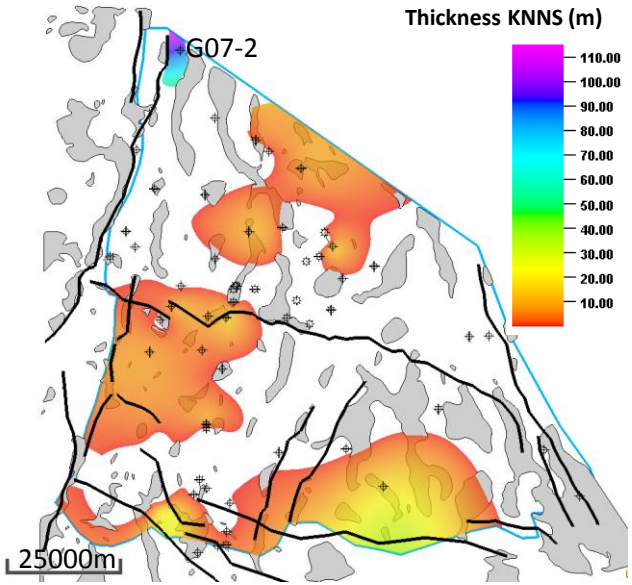
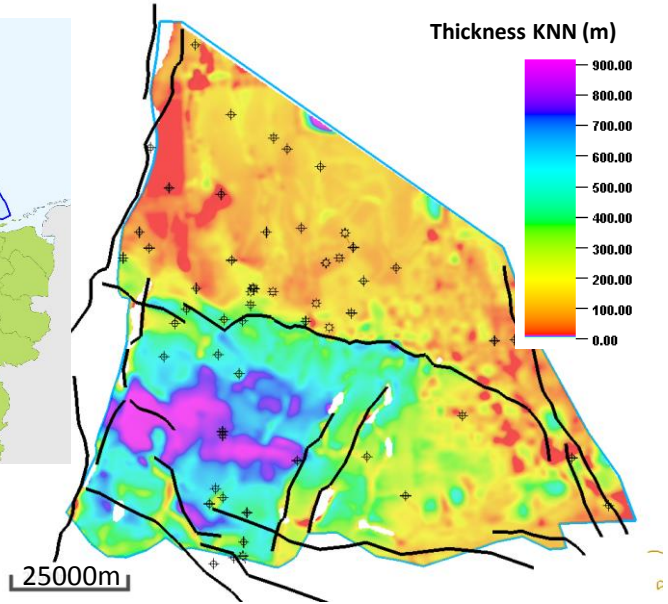
Chalk leads and hydrocarbon shows

Posidonia Oil source present in Central Graben



Lower Cretaceous Sandstones

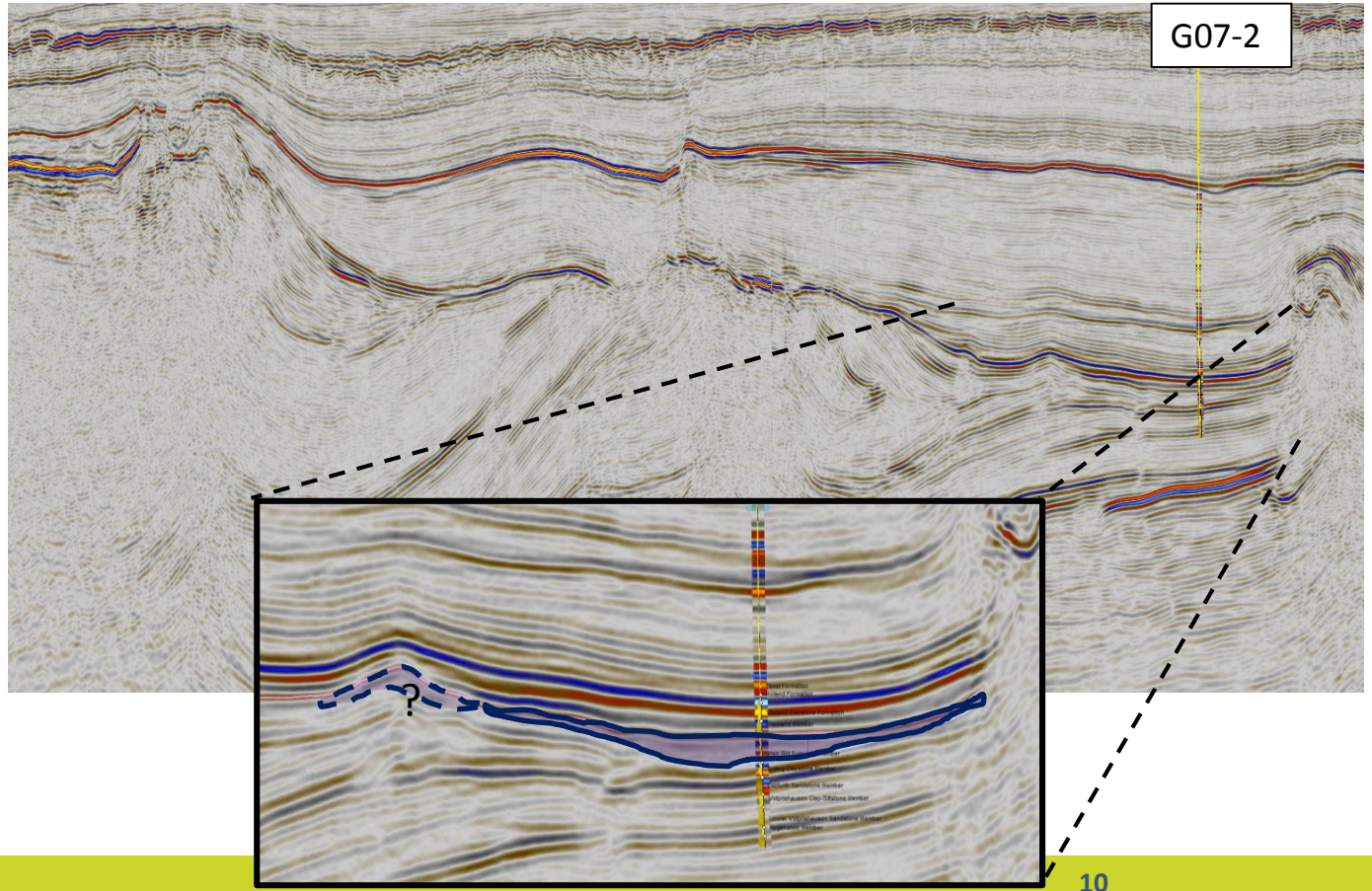




Lower Cretaceous sst, based on wells,
Distribution is (probably) more restricted than indicated in this figure

Thickness Vlieland Subgroup

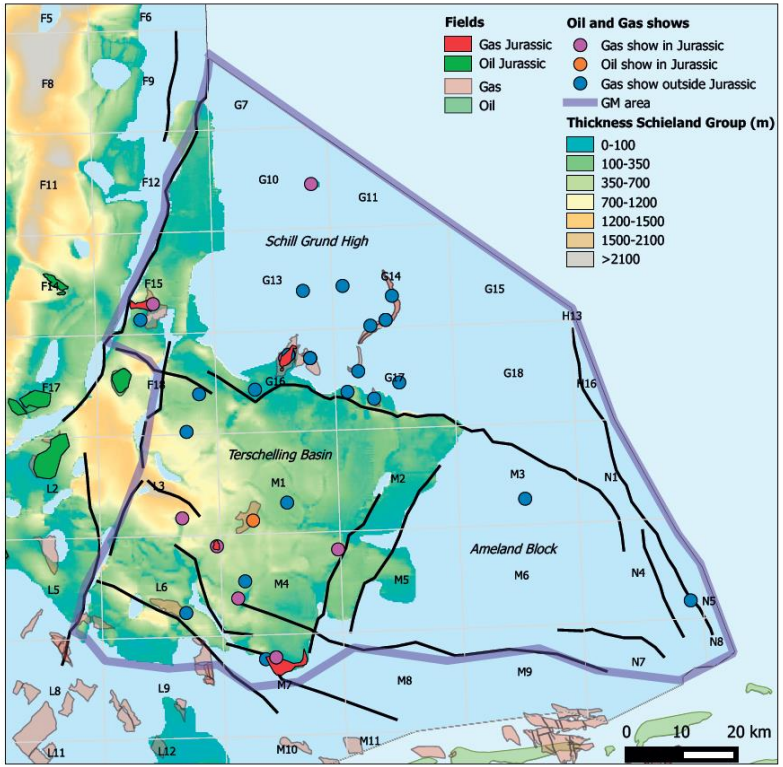
Basal Cretaceous Sandstone distribution, G07-2



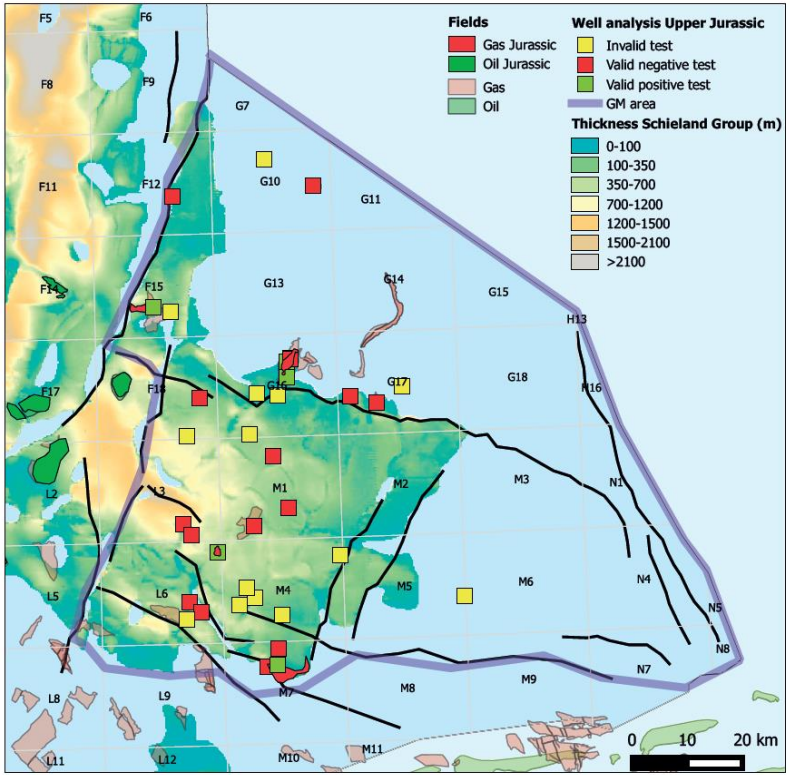
(Seismic section courtesy of Spectrum)

Jurassic Post Mortem Well analysis

Hydrocarbon shows



Well analysis



Next steps

- Prospect definition Upper Jurassic/Lower Cretaceous
- Explore the deeper plays

Poster # 8