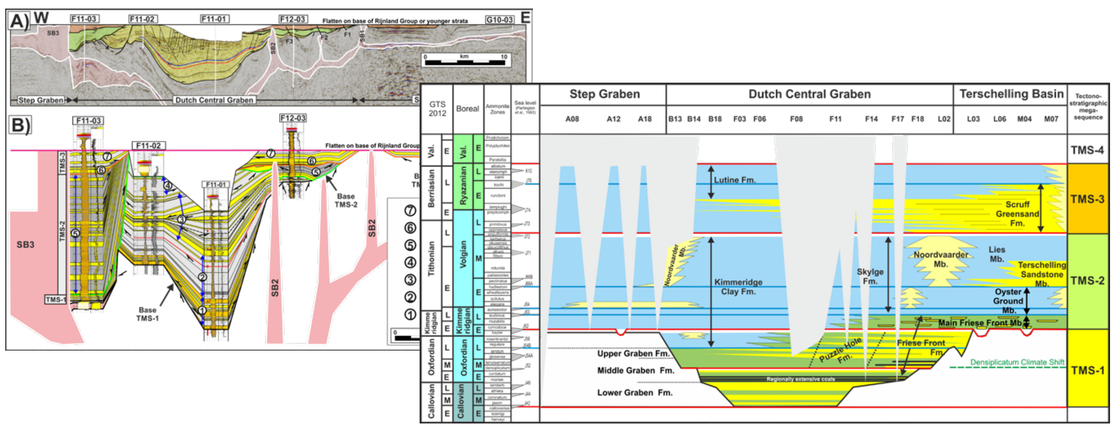
Exploration Research Projects

FOCUS, COMMA and MAXIM (2015-2019)

A new lithostratigraphic framework for the Middle Jurassic - Lower Cretaceous

Identify new reservoir potential in the Dutch Central Graben and neighbouring rift shoulders, by carrying out a 3D tectonostratigraphic analysis

- Activities: Seismic, well, core and outcrop analogue analysis. New biostratigraphic, stable isotope and provenance analysis
- Result: A new model for sediment transport, deposition and preservation potential along the basin margins and axis

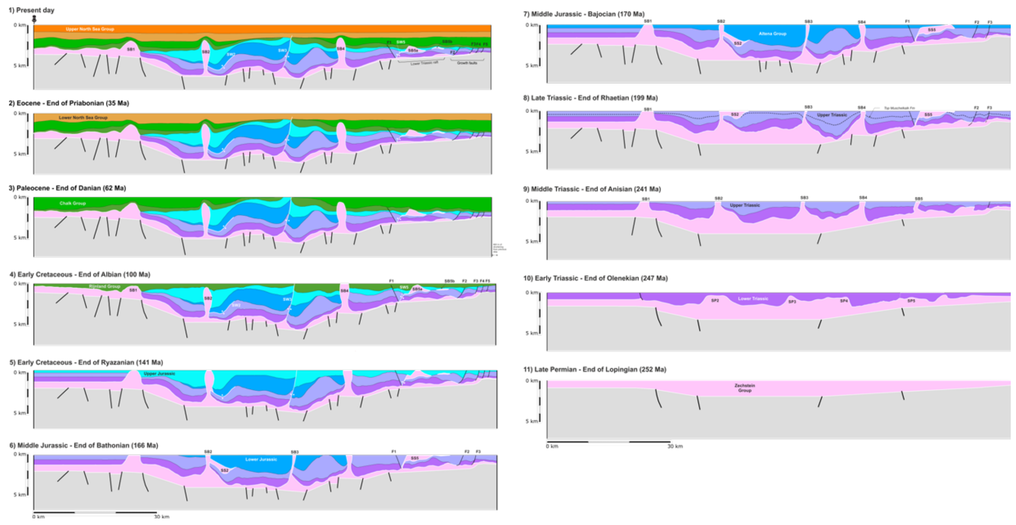


STEM (2017)

Triassic salt tectonic

Better understanding of the early salt movement in the Dutch offshore during the Triassic and Jurassic

- Activities: 3D seismic interpretation, 2D structural restoration (2DMove) and geochemical tracer analysis
- Result: Gravitational gliding growth fault/raft systems identified. New salt tectonic model to explain collapsed salt bodies and salt body stem contraction

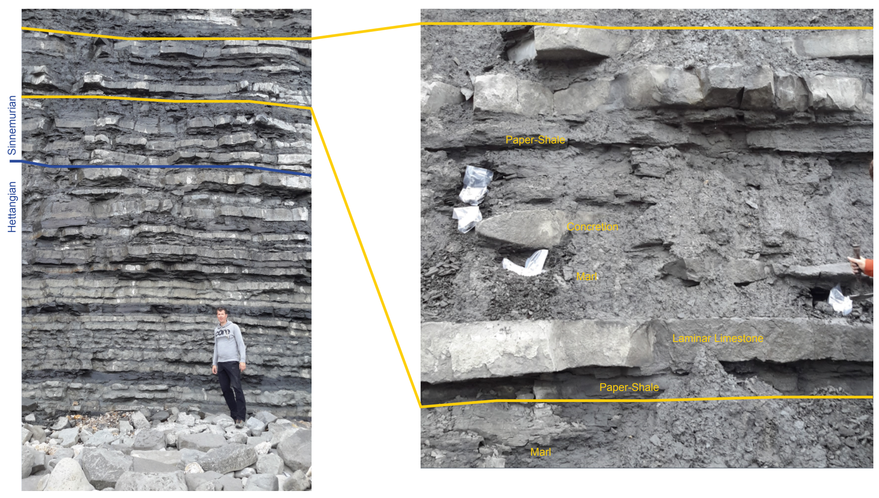


HYPO-LIAS (2017)

Lower Jurassic source rock potential in the North Sea

To establish an understanding of the distribution of Lower Jurassic source rocks in the Dutch, UK, Danish and Norwegian North Sea

- Activities: Outcrop analogue study providing an integrated biochemostratigraphic framework, detailed biofacies and geochemistry analysis of source rock intervals. Stratigraphic, palynological and organic geochemical analysis of subsurface cores
- Result: A standardized biochemostratigraphic framework for the Lower Jurassic of NW-Europe. Paleogeographic models for 5 Early Jurassic time slices and a ranking of potential areas and factors influencing source rock development



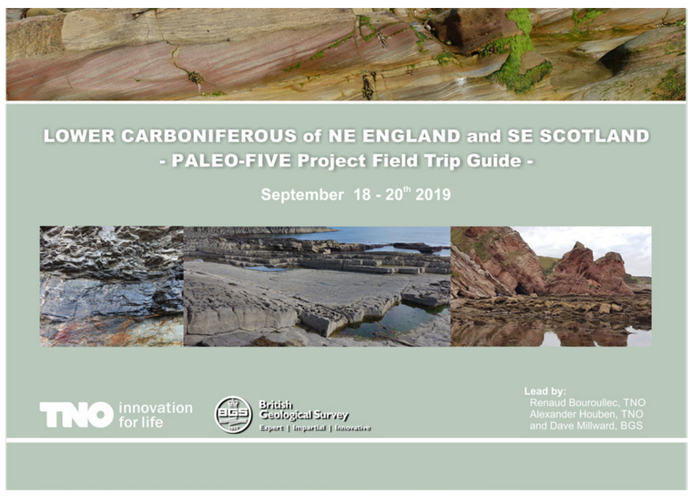
Paleo Five (2018-2019)

In collaboration with British Geological Survey

Predictive models for source rock occurrence within a cross-border stratigraphic scheme

To establish a new stratigraphic framework for the Lower Carboniferous across the Southern and Central North Sea basins

- Activities: Core and outcrop sampling of source rock intervals, well- and seismic- based stratigraphic correlation. Biostratigraphic and geochemical analysis
- Result: A new unified stratigraphic model. A predictive model establishing the source rock occurrences and preservation potential



Upcoming projects (2020-2022)

2019-2021: CREST Project - Chalk structural and depositional evolution (NL)

2020: Upper Jurassic source rocks (NL, UK, NO, DE & DK)

2020: Lower Carboniferous fluvial and shoreface reservoirs along the Mid-North Sea High and neighbouring regions (NL, UK & NO)

2020: Zechstein Carbonate Reservoirs (NL, UK & NO)

Industry partners and collaborations North Sea projects - 2015-2019

British Geological Survey Expert | Impartial | Innovative
dana PETROLEUM
ebn
EDISON NORGE
equinor
Lundin Petroleum
Ministry of Economic Affairs and Climate Policy
NAM
NEPTUNE ENERGY
one dyas
PGS
REPSOL
Spectrum
SPIRIT ENERGY
STERLING RESOURCES
TOTAL
wintershall

For questions contact info@nlog.nl