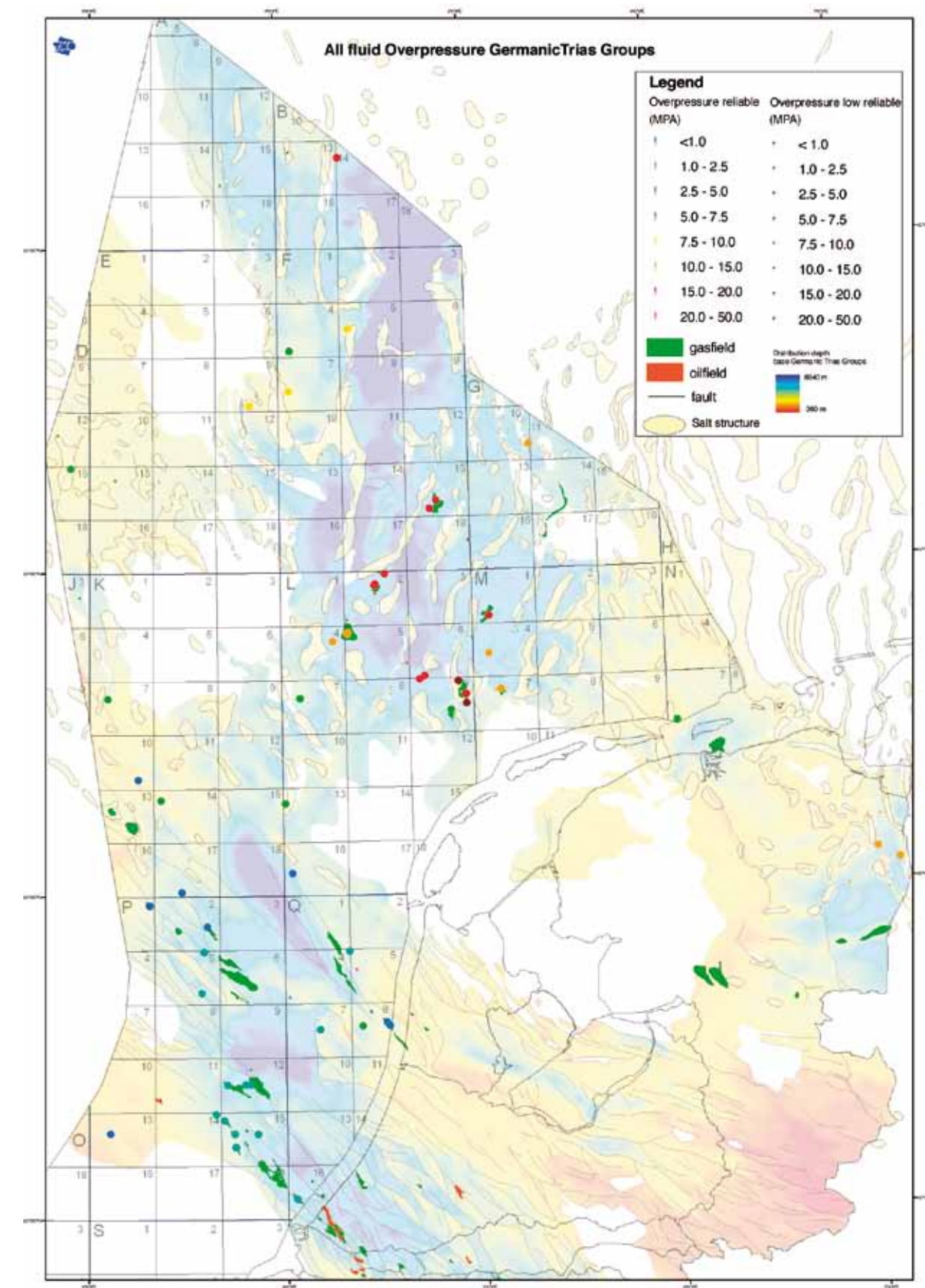


# Joint Industry and Regional Mapping Projects

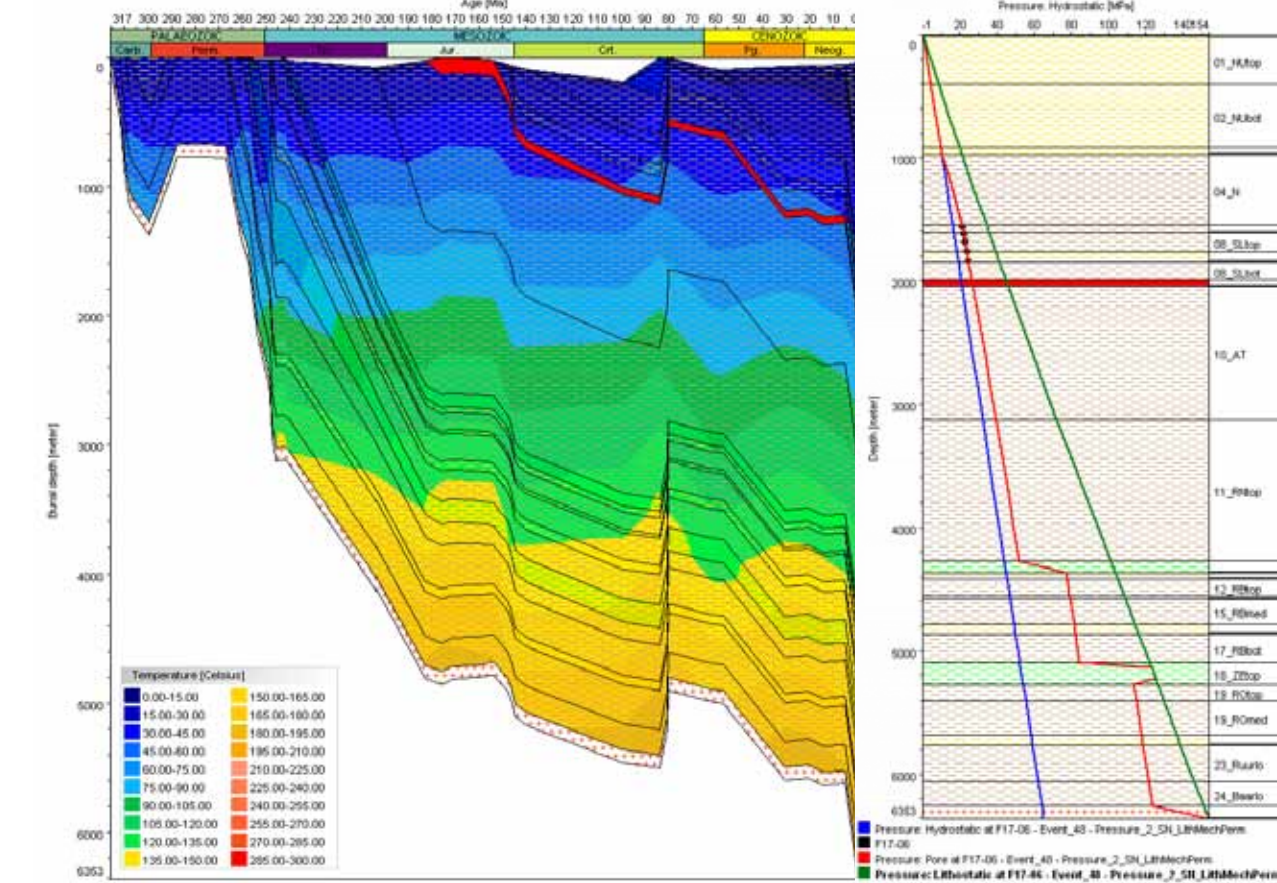
## Integrated pressure information system

This system aids in optimizing exploration and use of geo-energy resources in the Dutch subsurface, including safe and cost-effective drilling. It contains:

- Extended QC database
- Maps and cross-sections showing distribution of (over) pressures;
- Region specific pressure-depth plots
- Regional interpretation of the pressure data.



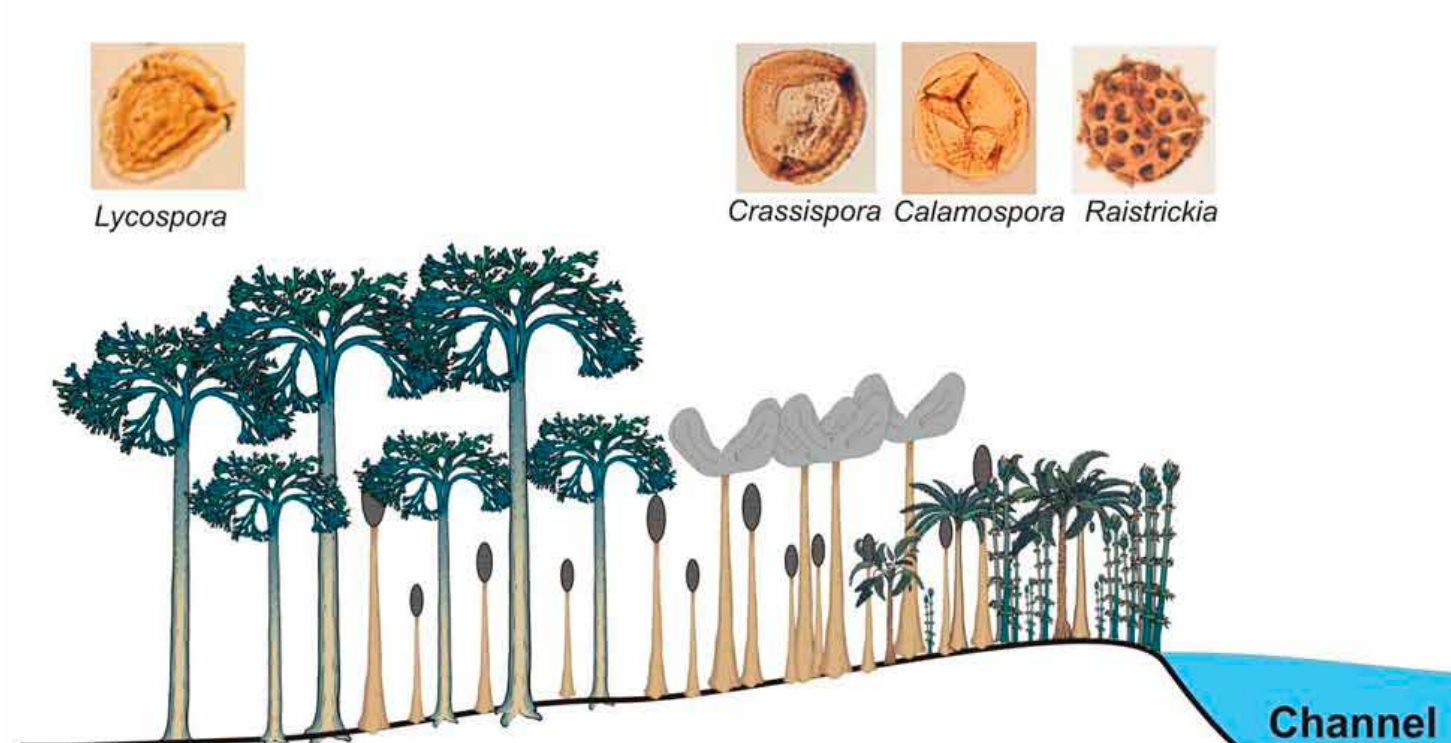
Overpressure map GermanicTriassic Groups



Basin model indicating pressure-evolution

## Connectivity and Rock Typing prediction of Upper Carboniferous Reservoirs

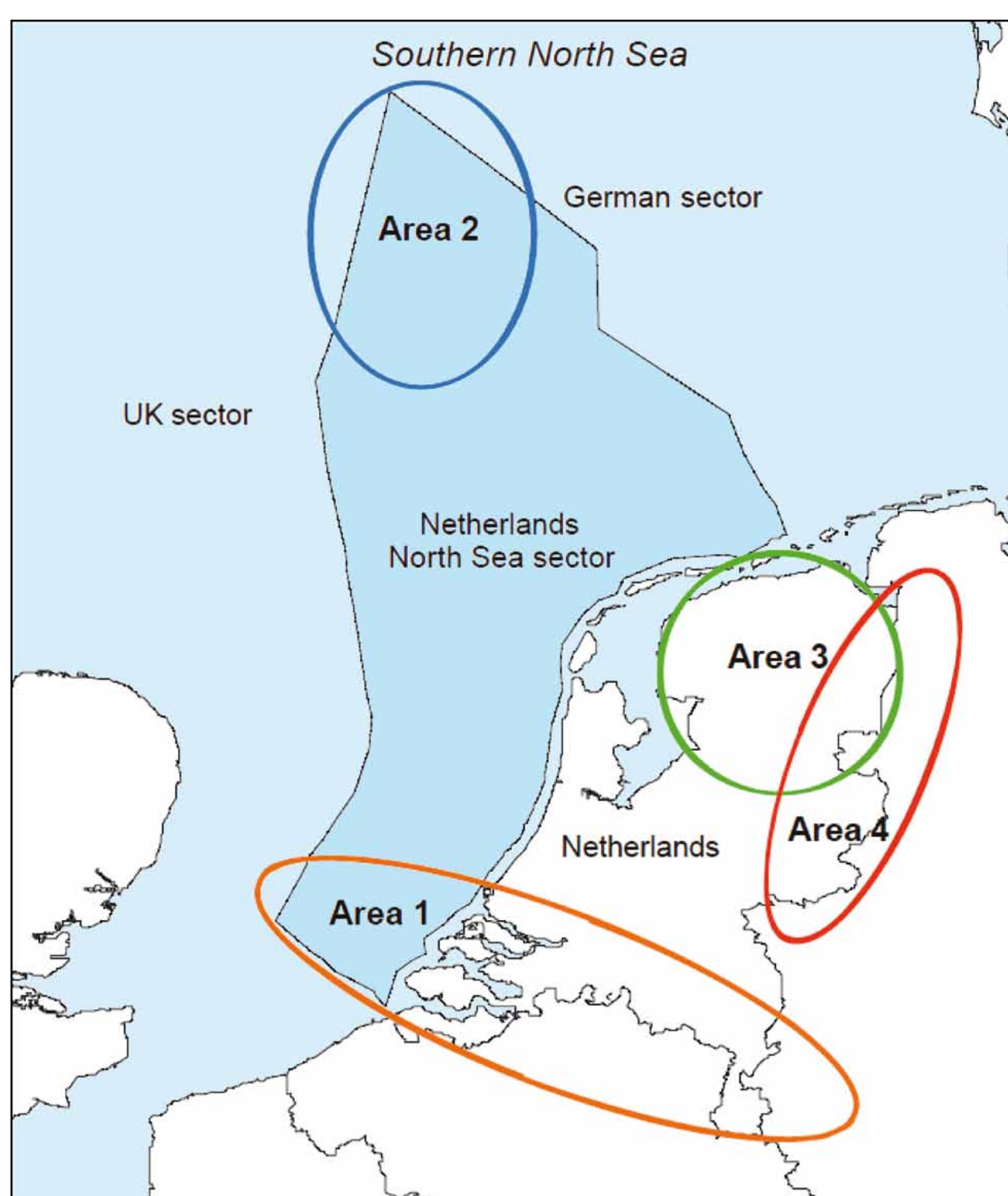
To increase production efficiency from deep Carboniferous gas reservoirs in the Southern North Sea, TNO develops a predictive model to assist the location and characterization of reservoir quality and connected net-volumes based on high resolution reservoir correlation, rocktyping and eco grouping.



Schematic ecology of Carboniferous swamps

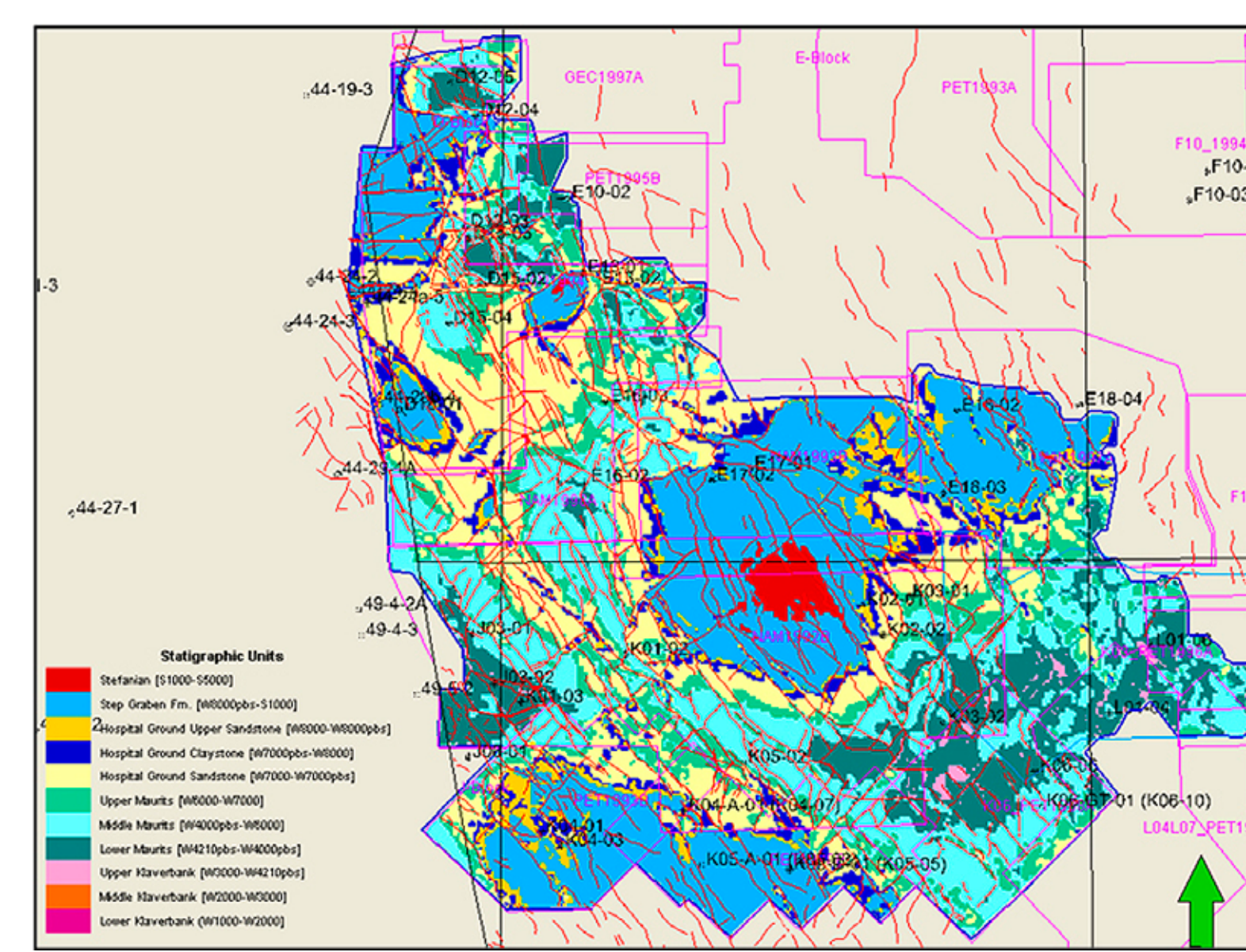
## Pre-Westphalian prospectivity

A Nation-wide inventory and overview of geological and geochemical data as well as an interpretation of those data in terms of hydrocarbon play potential for the Devonian and Namurian.



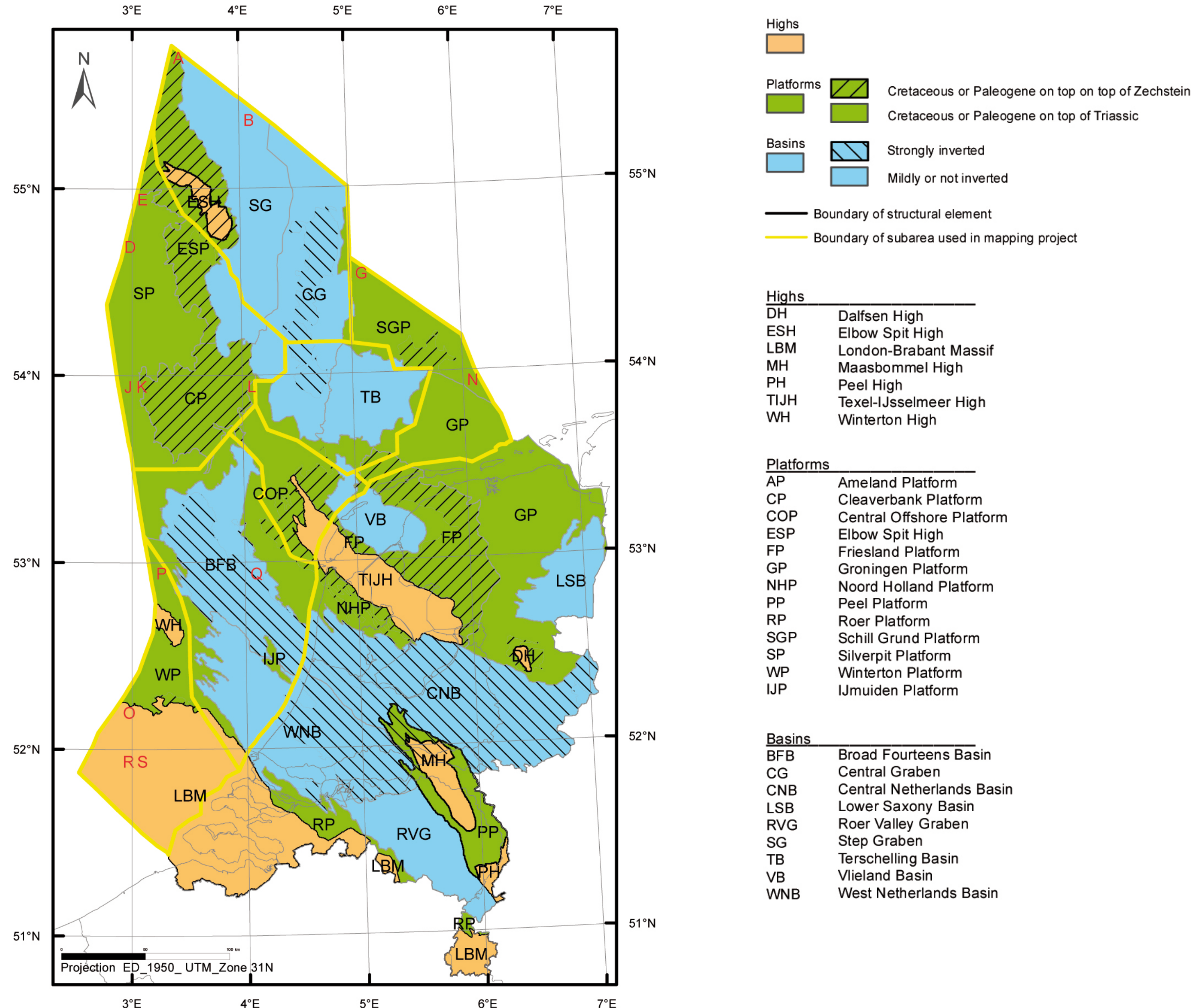
## Exploration in the Carboniferous of the Dutch off-shore

Framework for the Carboniferous fairway based on public geological data, seismic interpretation and a stratigraphic study based on well-logs, palynology and sedimentology, integrated in Petrel database.



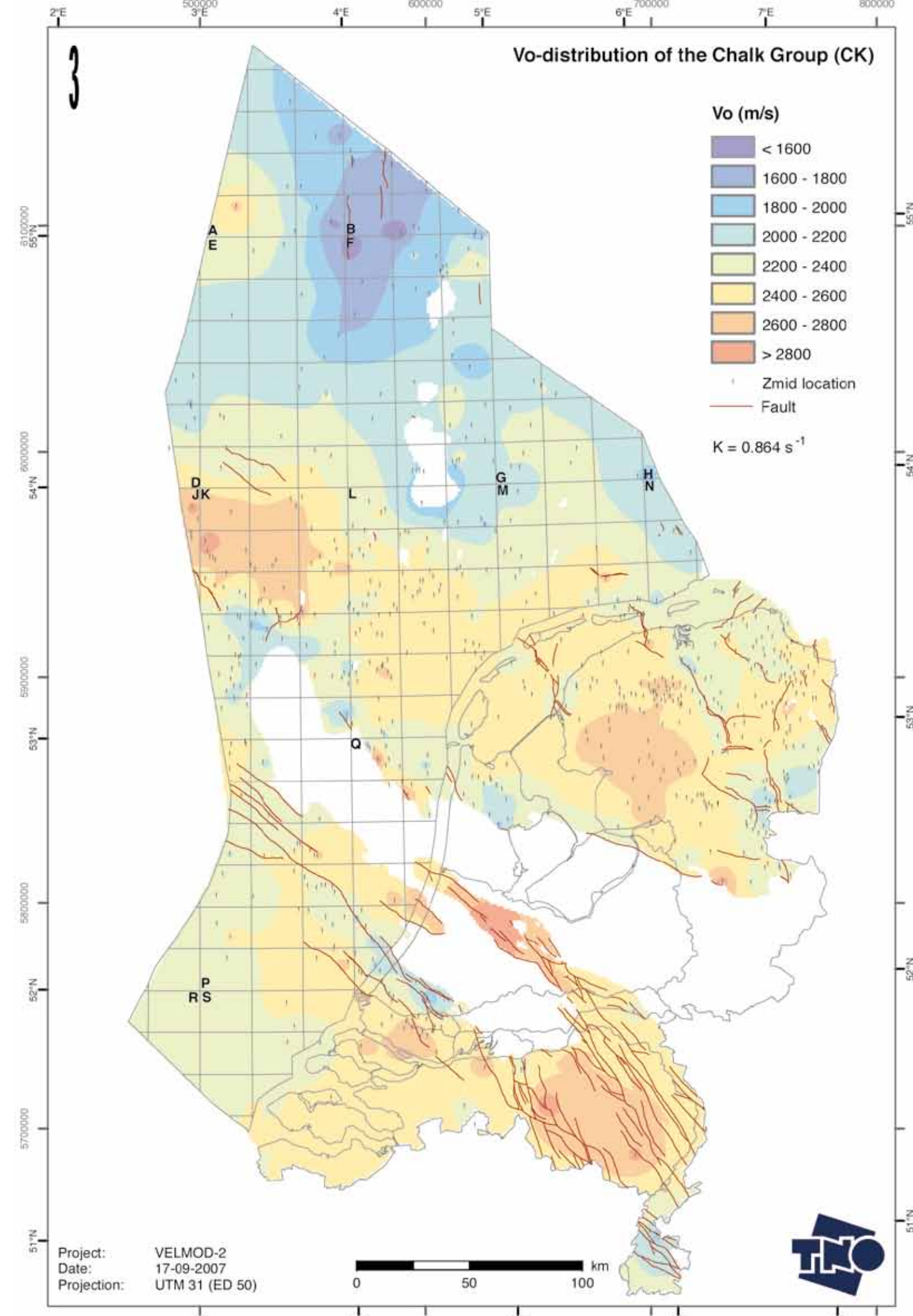
## Structural mapping of the Dutch on- and offshore

The Netherlands on- and offshore structural mapping program (1985 – 2011) resulted in an integrated geological model of the Netherlands and the adjacent continental shelf. One of the deliverables is an improved Late Jurassic – Early Cretaceous structural elements map of the Netherlands. The map shows structural highs (brown), basins (blue) and platform areas (green).



## A seismic velocity model for the entire Dutch on- and offshore

TNO constructed a seismic velocity model "VELMOD" of the layer cake type based on the Lithostratigraphic Nomenclator and sonic data of 1400 boreholes



V0-distribution (VELMOD2) across the layer of the Chalk Group

For information on Exploration and Production issues and E&P data see the Netherlands Oil and Gas Portal [www.nlog.nl](http://www.nlog.nl) & [www.ebn.nl](http://www.ebn.nl)

