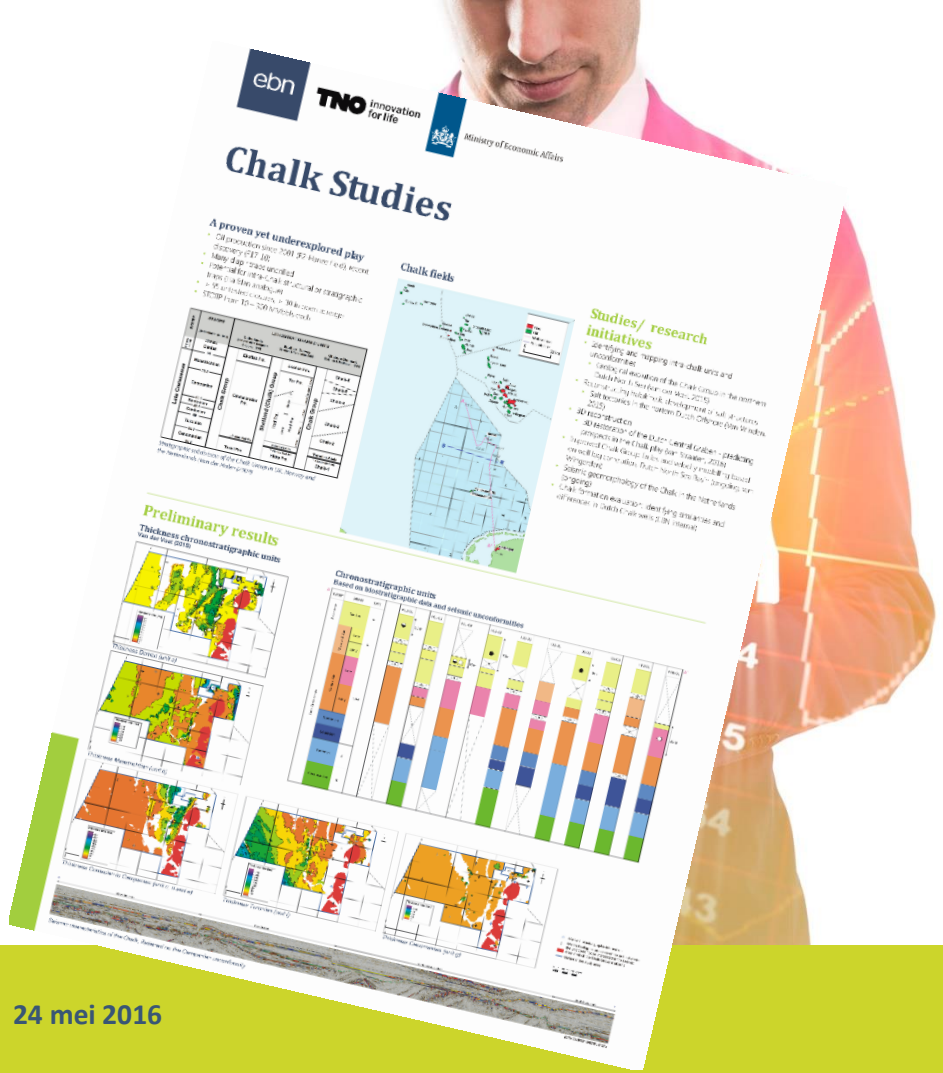
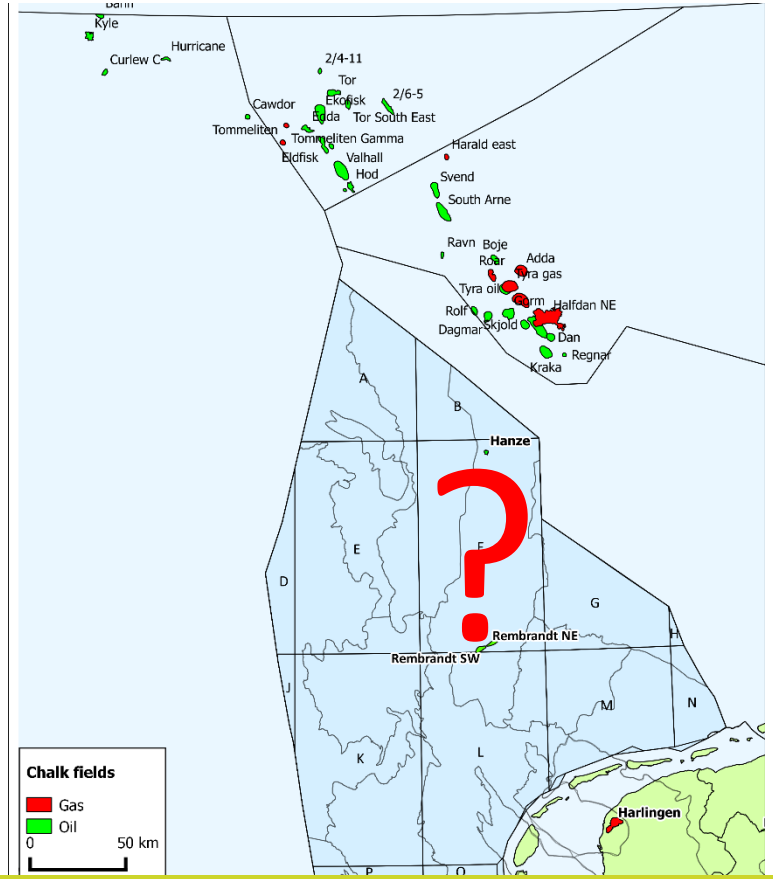


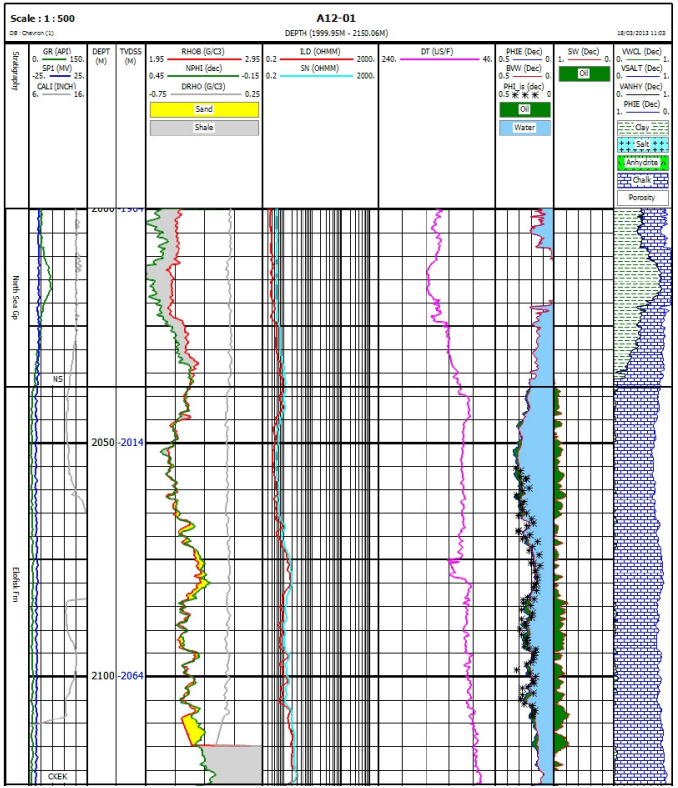
Exploration day

Nora Heijnen

Poster 9: Chalk studies

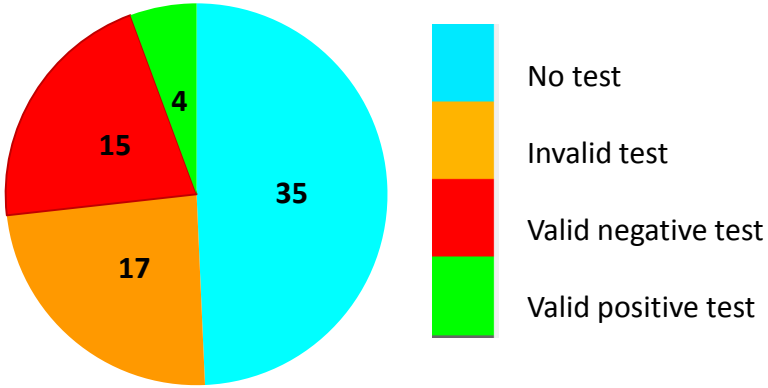
Chalk fields in the Dutch northern offshore

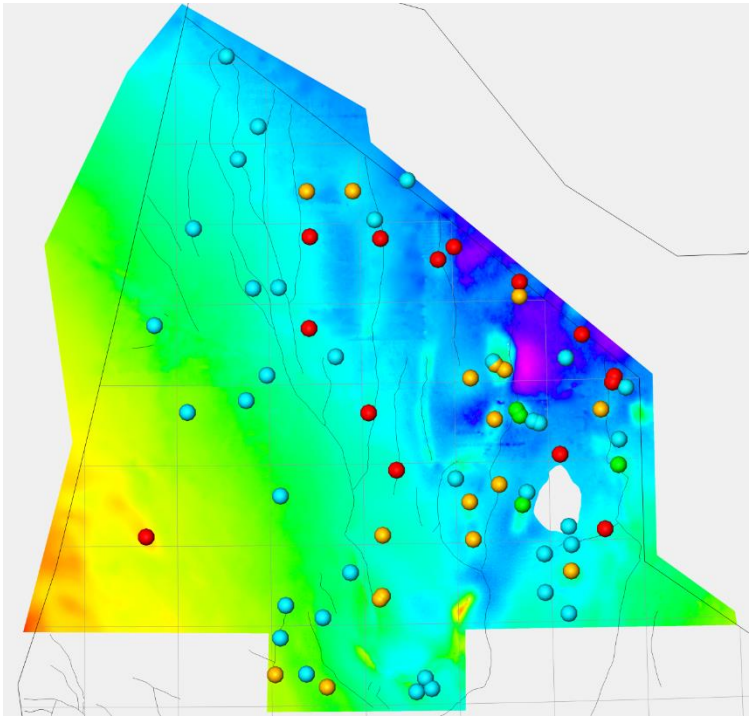




Post mortem analysis

71 wells evaluated, only 25% considered valid test for the Chalk





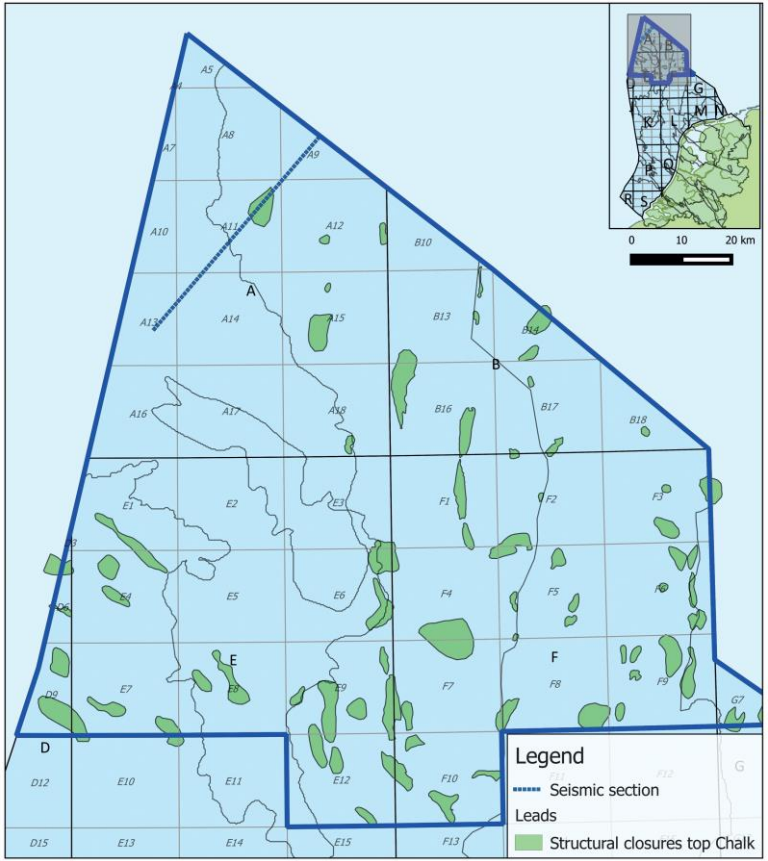
Presented at EAGE 2014

Chalk leads

>55 untested closures of which >30 in open acreage

STOIIP 10-300 MMbbls each

Possible intra-Chalk structural or stratigraphical traps



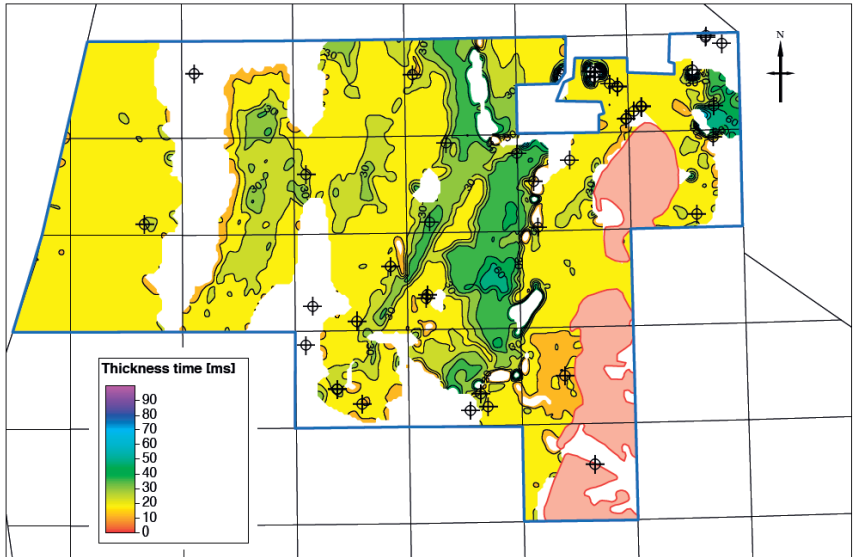
Presented at EAGE 2014

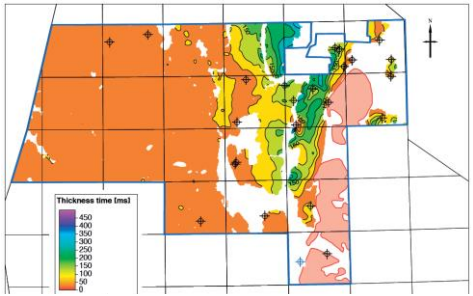
Chalk studies by EBN

- Identifying and mapping intra-chalk units and unconformities (Van de Voet, 2015)
- *Reconstructing halokinetic development of salt structures (Van Winden, 2015) (poster 6)*
- *3D reconstruction – predicting chalk prospects in Chalk (van Straaten, 2016) (poster 6)*
- Hydrocarbon show database (Heerema, 2016, ongoing)
- Improved Chalk Group facies and velocity modelling based on well log correlation, Dutch North Sea Basin (ongoing, Van Wingerden)
- Seismic geomorphology of the Chalk in the Netherlands (ongoing)
- Chalk Formation evaluation: identifying similarities and differences in Dutch Chalk wells (EBN internal)

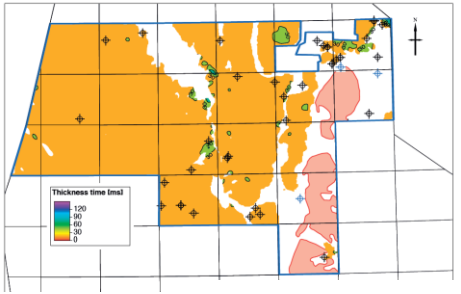
Intra-Chalk units

Thickness Danian [ms]

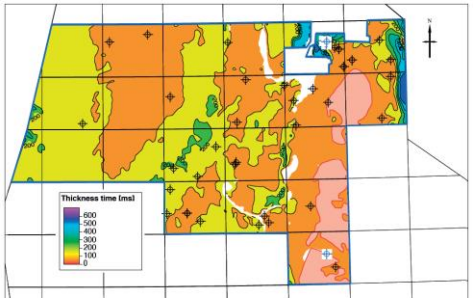




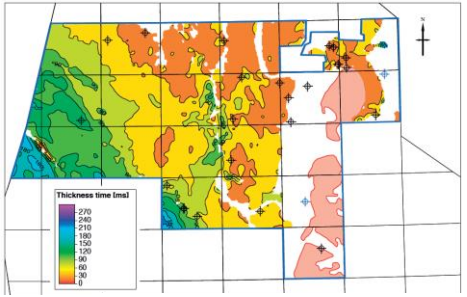
Thickness Coniancian - Campanian [ms]



Thickness Cenomenian [ms]



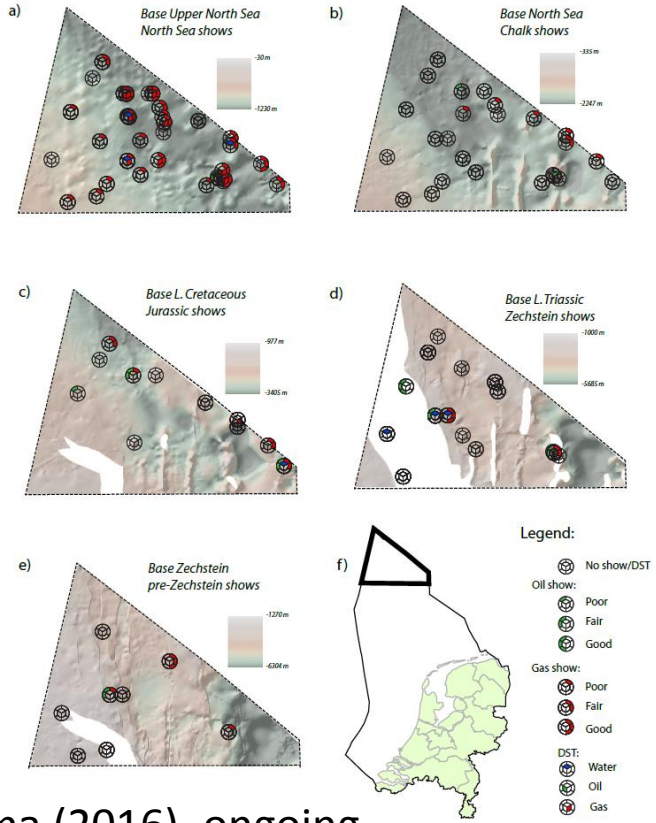
Thickness Maastrichtian [ms]

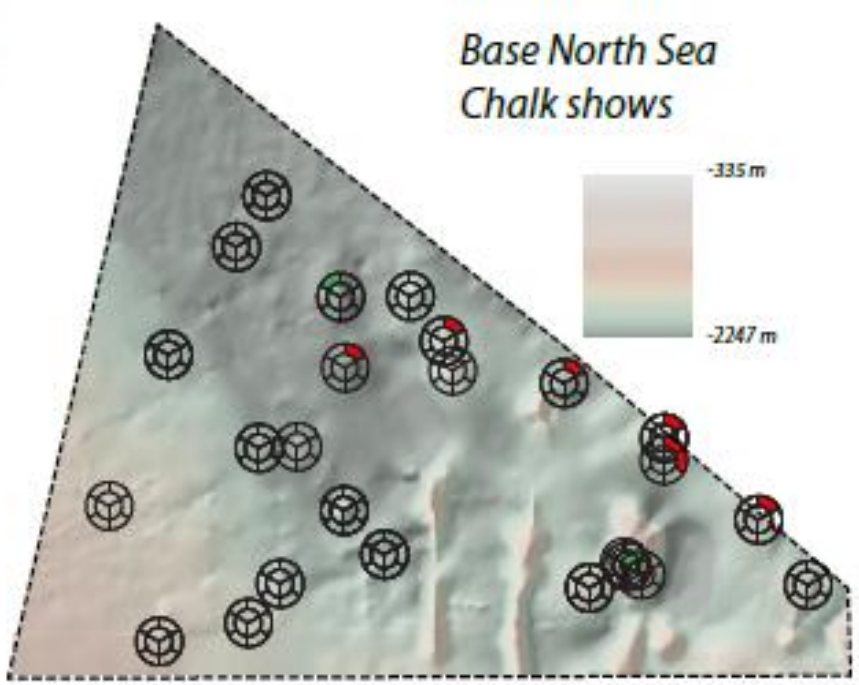


Thickness Turonian [ms]

Van de Voet (2015)

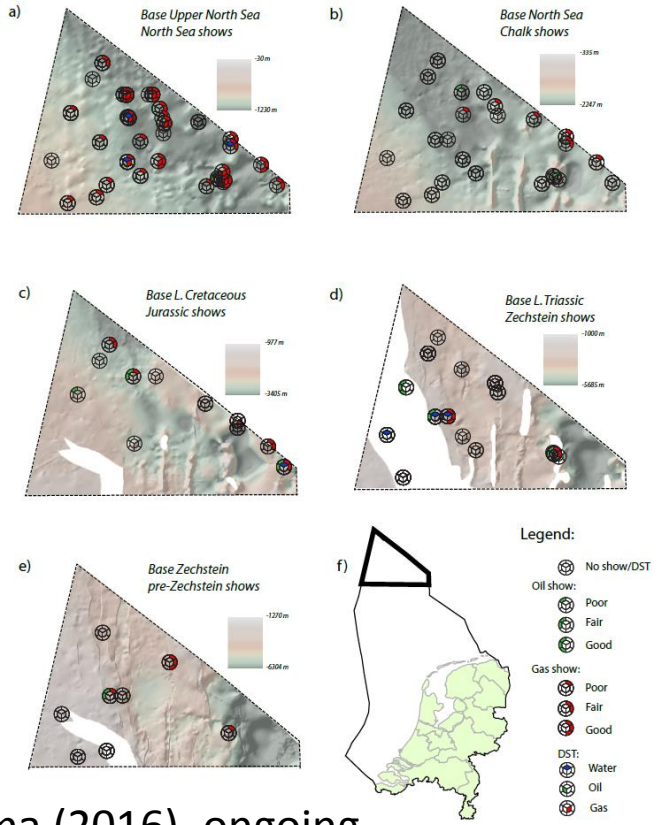
Hydrocarbon show database

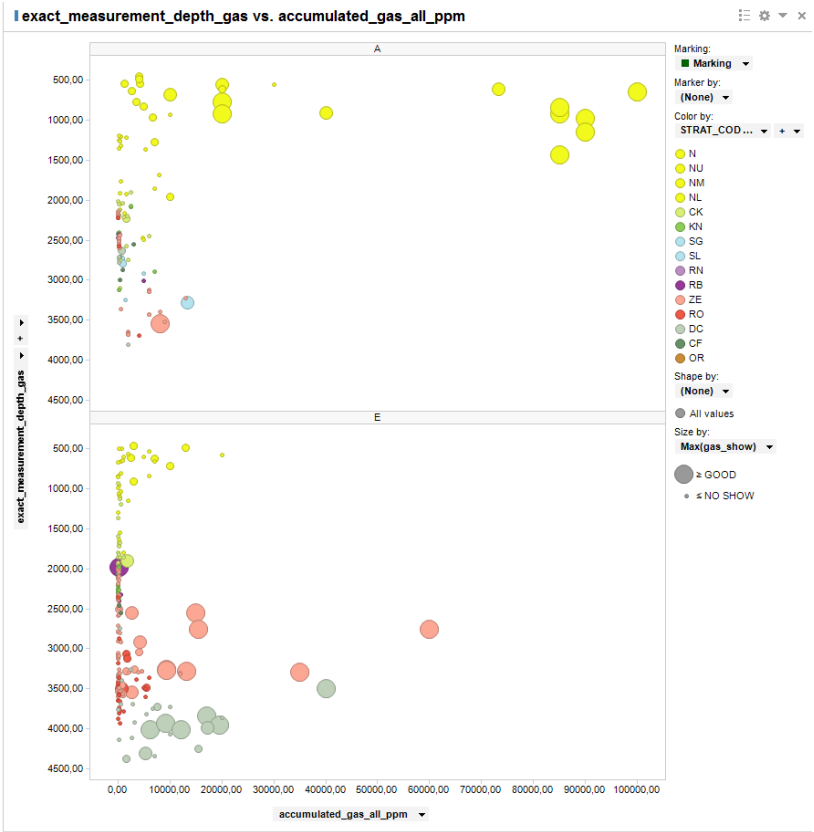




Heerema (2016), ongoing

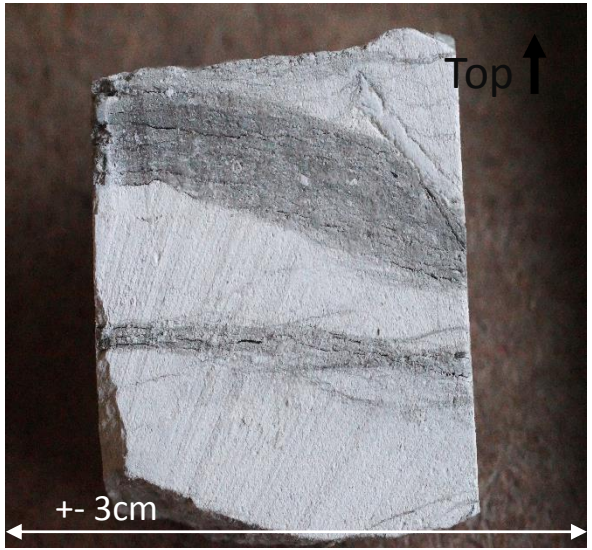
Hydrocarbon show database



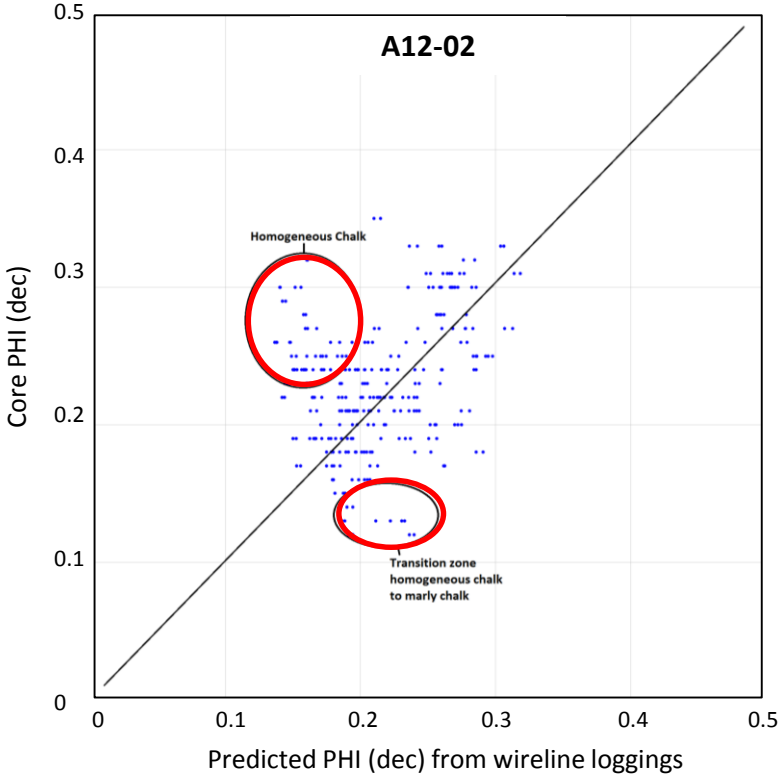


Heerema (2016), ongoing

The role of Chalk Facies

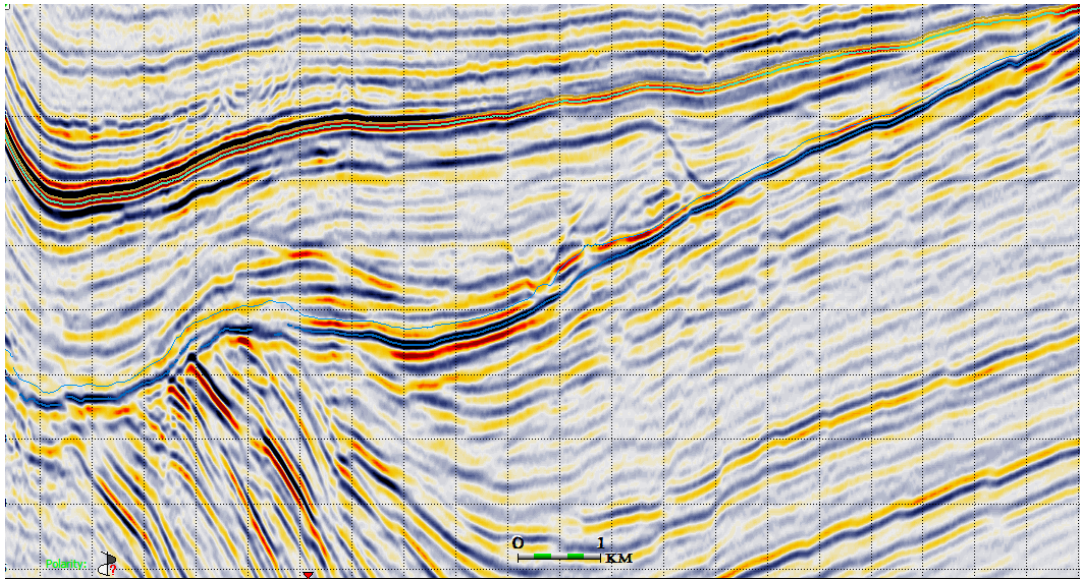


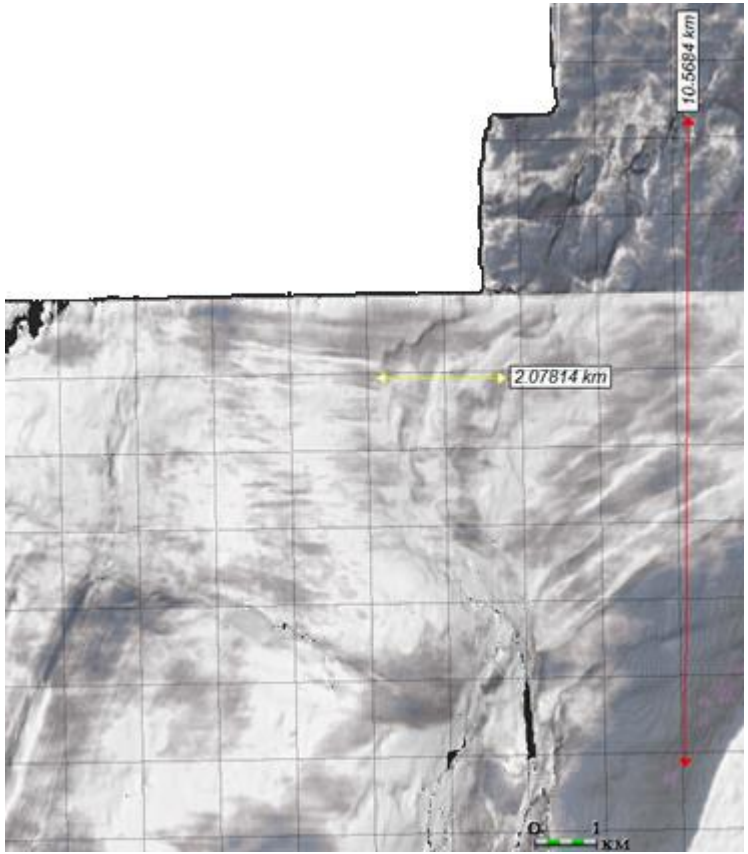
HRL-02, 1078.6 meter



Van Wingerden, ongoing

Chalk geomorphology



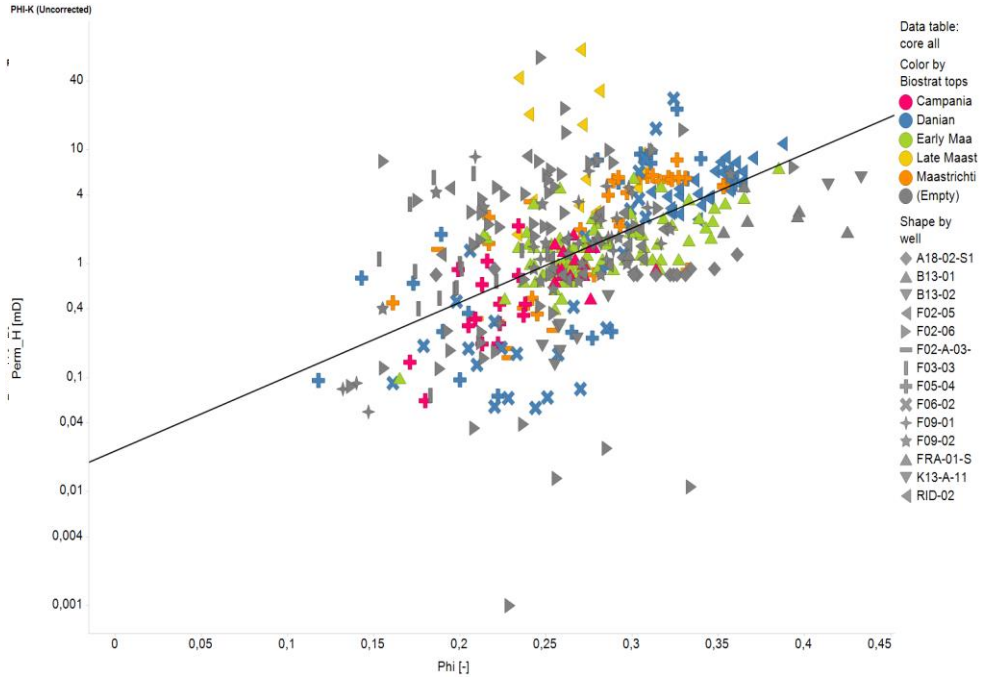


EBN, ongoing

Chalk reservoir evaluation

Main data types:

- Well logs
- Well test / PVT data
- Core information (RCA)
- Pressure data
- Biostratigraphic information
- Facies



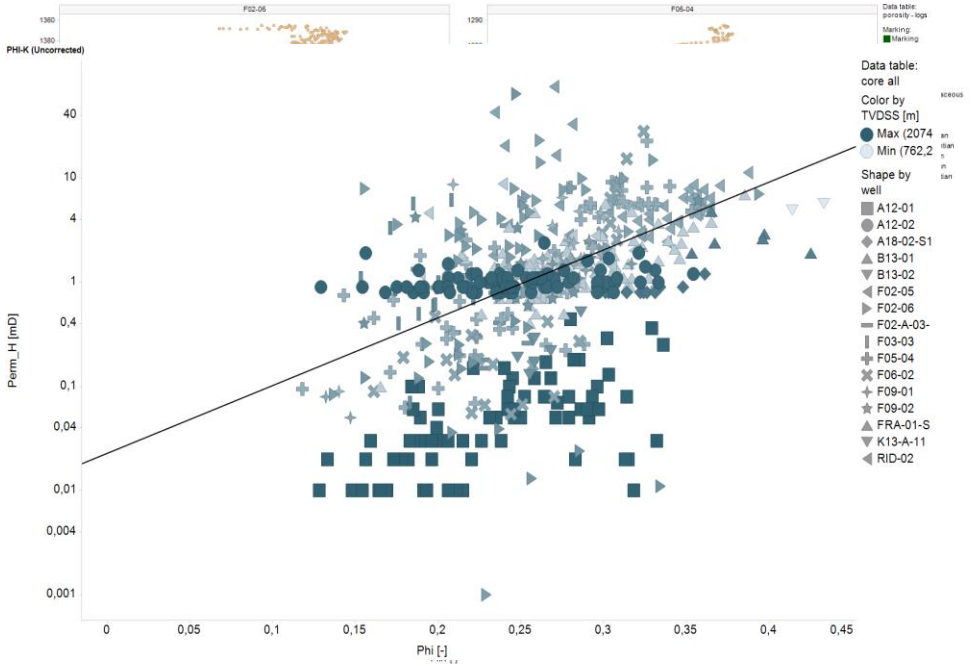
Only public data is presented

EBN, ongoing

Chalk reservoir evaluation

Main data types:

- Well logs
- Well test / PVT data
- Core information (RCA)
- Pressure data
- Biostratigraphic information
- Facies



Only public data is presented

EBN, ongoing

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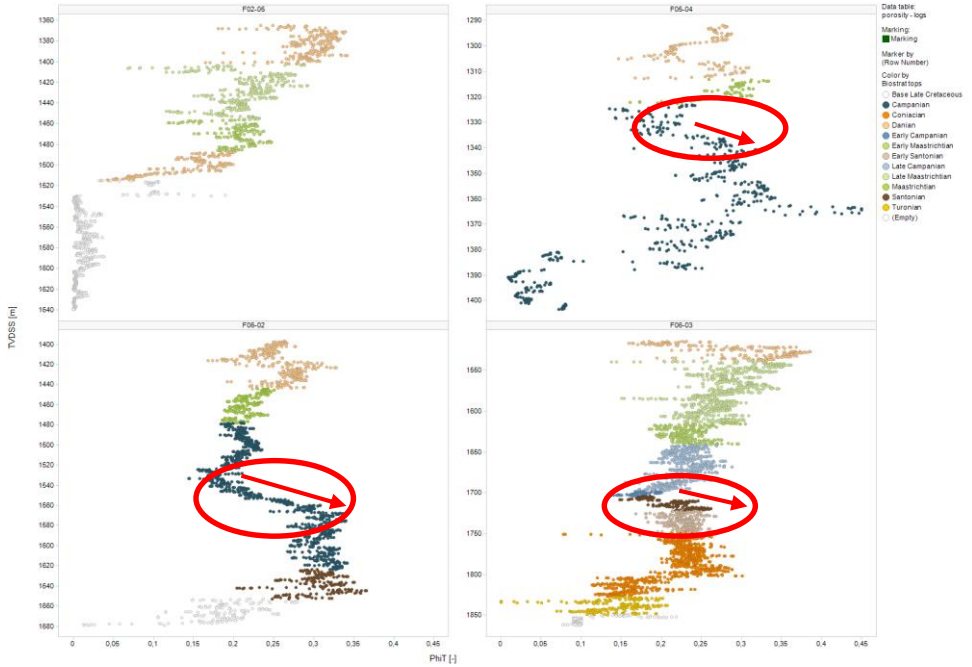
- Pressure data
- Biostratigraphic information
- Facies



Only public data is presented

EBN, ongoing

Chalk reservoir evaluation

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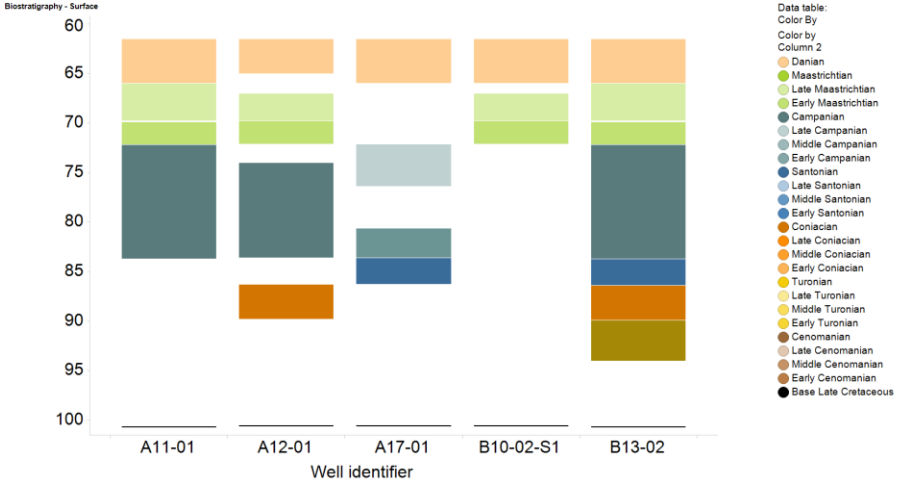
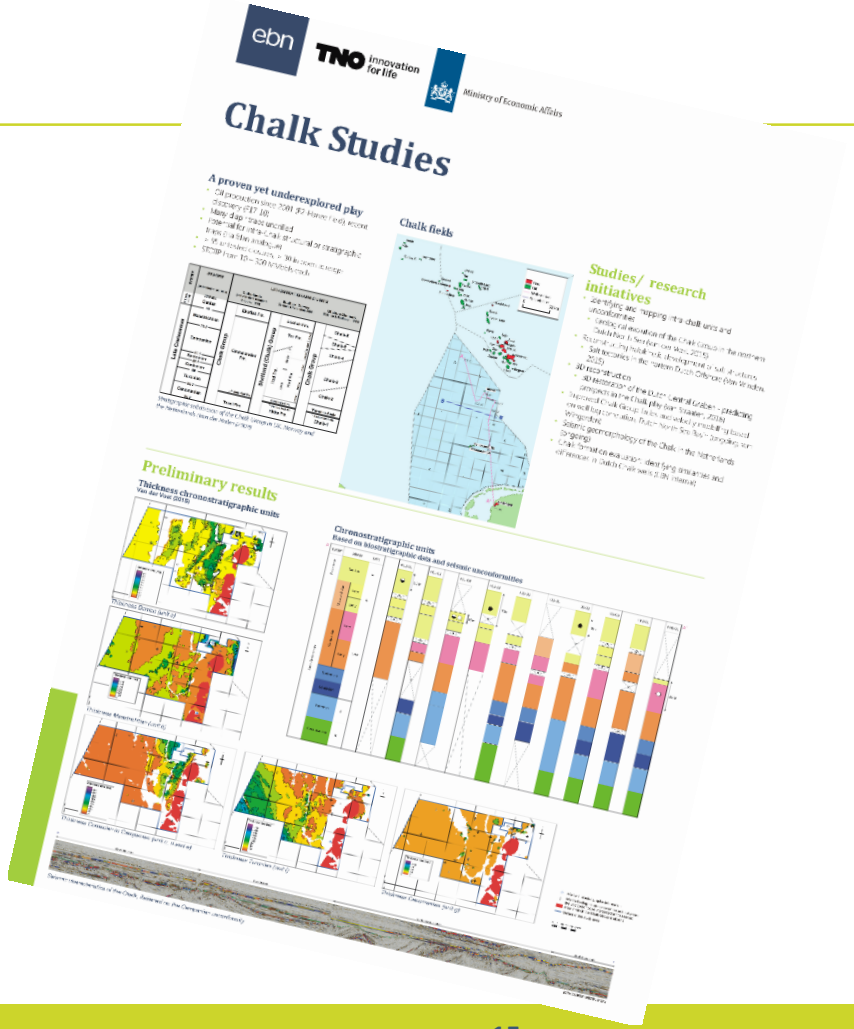


Only public data is presented

EBN, ongoing

Poster 9


ebn
TNO innovation for life
Ministry of Economic Affairs
Chalk Studies
A proven yet underexplored play
Chalk fields
Studies/ research initiatives
Preliminary results
Thickness chronostratigraphic units
Chronostratigraphic units