Hydrocarbon Prospectivity in the under-explored Northern Dutch offshore

DEFAB study EBN
- EBN’s objective is to promote under-explored petroleum plays and stimulate industry exploration activity, setting the stage for Dutch 30-30 ambition.
- EBN licensed the large (7600 km$^2$) multi-client 3D survey acquired by Fugro in 2011.
- Currently ongoing: regional mapping is the starting point for evaluation of selected plays and prospects in the DEFAB area.

Petroleum systems in the Dutch subsurface

- Tertiary shallow gas play: Studied in detail, leads evaluated.
- U. Cretaceous Chalk play: under-explored.
- U. Jurassic & L. Cretaceous play: under-explored.
- Zechstein carbonate play: under-explored.
- Rotliegend play: analyzing potential for Cygnus equivalent.

Petroleum Plays in the Northern Offshore

- Carboniferous Plays:
  - Westphalian: relatively mature.
  - Namurian – Dinantian: under-explored (see poster).

- Triassic play: relatively mature.

From: Geology of the Netherlands 2007, Wong et al.
(Courtesy Fugro)