

## AAPG Copenhagen section Geoscience Lecture

### ‘The Chalk in The Netherlands, a very poor play or a very poorly understood play?’

June 1, 2011

University of Copenhagen  
Department of Geography and Geology  
Øster Voldgade 10  
1350 Copenhagen K

16:00 – 17:00

Reception with drinks

17:00 – 18:00

Lecture by Susanne Nelskamp (TNO)

18:00 – 19:00

Reception with drinks

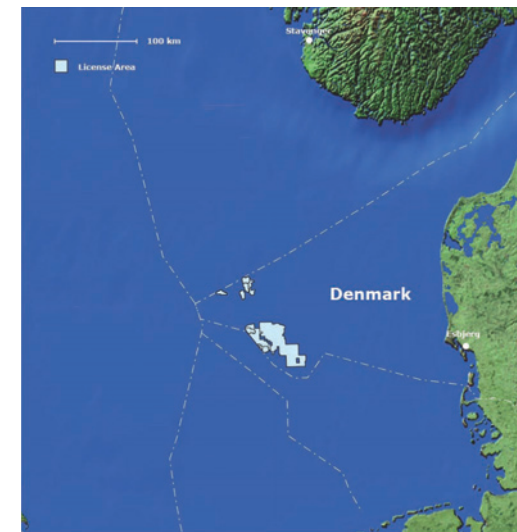
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[aapgcopenhagen@gmail.com](mailto:aapgcopenhagen@gmail.com)



Do we classify the Chalk in the Netherlands as a poor play? Based on the few fields currently discovered in the Chalk it can be classified as such, but these fields are very productive and can definitely not be classified as poor fields. Therefore, the Chalk in the Netherlands remains a very interesting exploration target. The Chalk might be a poorly understood play, but a comprehensive and integrated approach in studying the Chalk can enhance our knowledge regarding this play.

This paper aims to present new understanding of the Dutch Chalk prospectivity by a multidisciplinary research approach, based on basin modeling, biostratigraphy and seismic interpretation. Our concepts are tested in the Hanze oil field, the only producing oil field in the Netherlands, discovered in 1996. Similar structures have been drilled, even with direct hydrocarbon indicators. However this has never lead to the discovery of economical amounts of hydrocarbons.

The results of our approach have revealed that different paleoenvironmental settings, a complex structural configuration and tectonic history, and late generation create a wide range of aspects influencing the Chalk prospectivity. This might lead to new exploration concepts and may reveal additional potential in the Dutch Chalk.



#### About the presenter

Susanne Nelskamp graduated as a geoscientist at Hannover University (Germany) and finished her PhD in 2011 at RWTH Aachen University (Germany) on 2D basin modeling and structural reconstruction in the Netherlands. Since 2008 she works at TNO in the Netherlands as a basin modeler/geochemist.