



## The role of DTU-BYG (Section for Geotechnics and Geology) and GEO in the LOCRETA Consortium

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# Danish Hydrocarbon Research and Technology Centre Technology Conference 2017

## **The role of DTU-BYG (Section for Geotechnics and Geology) and GEO in the LOCRETA Consortium**

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The LOCRETA Consortium (GEUS, AU, KU, DTU, DHRTC) is established with the purpose of studying the Lower Cretaceous Reservoirs in the North Sea with the scope of improving recovery.

Our research will be focused on the determination and analysis of rock physics and rock mechanics properties of the Lower Cretaceous Chalk formations. Accurately determined rock physics & rock mechanics properties are essential to evaluate reservoir quality and in the modeling of compaction, fracture initiation & distribution, geomechanics (stress/strain) evolution, as well as in seismic modelling and inversion studies. Based on experimental work and logging data, we will establish a petrophysical model for the hydraulic properties of the Lower Cretaceous Chalk.

The work will be carried out in close cooperation between the Section for Geotechnics and Geology at DTU-BYG and GEO, and will include a PhD (combining rock mechanics and rock physics) project.