

Danish Offshore Technology Centre  
Technology Conference 2024

**Microbial Reservoir Souring; Learnings from Full-Field Modelling and Field Data**

*Ali Mahmoodi, Bhavya Ravinder, Hamid Nick*

Production of hydrogen sulfide, a corrosive and hazardous gas resulting from microbial activity within water-flooded oil reservoirs, has been recorded in many Danish hydrocarbon fields in the North Sea. Within the past few years, several modelling studies have been carried out in DTU Offshore to increase our understanding of the problem and potential solutions. This poster presents an overview of the efforts carried out, and poses questions that need to be answered in the future regarding microbial reservoir souring and mitigation strategies, such as nitrate and biocide treatment.



AARHUS UNIVERSITY



UNIVERSITY OF  
COPENHAGEN



G E U S



AALBORG UNIVERSITY  
DENMARK