



Universitetet
i Stavanger

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Declaration of Intention to participate in the Centre for Research-based Innovation (SFI) for Drilling and Wells for improved Recovery (DWR)

UiS is a partner in the Application for Centre for Research-based Innovation (SFI) for Drilling and Wells for improved Recovery (DWR) submitted to the Research Council of Norway (NFR).

Currently an average of more than 50% of the oil is left in the reservoirs on the Norwegian Continental Shelf, but 1% increases in the recovery rate from existing flowing wells represent a net value in the order of 400 BNOK. The number of subsea completed wells is increased compared to platform completed wells, but the recovery from subsea wells is typically 10-15% lower compared to platform completed wells caused by the high subsea drilling and well intervention costs. So, the area of drilling and well technologies for improved recovery is a very important priority area with significant upside potentials and of strong academic and commercial interest. The total production on the Norwegian Continental Shelf is on decline, so improved recovery is required to maintain both governmental and industry income.

The planned research program is designed to address critical challenges in three research areas: Efficient Drilling Processes, Drilling Solutions for Increased Recovery, and Well Solutions for Increased Recovery.

The Department of Petroleum Engineering (IPT) at UiS has four main research disciplines (Drilling, Production Engineering, Reservoir Engineering and Geoscience Engineering). The cross multi-disciplinary tasks within the new research program will involve all research disciplines at IPT. In addition, other UiS departments such as Offshore Technology will participate.

The Centre for Research-based Innovation (SFI) for Drilling and Wells for improved Recovery (DWR) will contain significant opportunities for cooperation between universities, R&D institutes and the oil and gas industry and create considerable value for the society. The applicants behind the new research program include the main players (and competitors) for petroleum research and petroleum education in Norway. Access to laboratory facilities in Trondheim (NTNU and Sintef) and Stavanger (UiS and IRIS with Ullrigg) opens up for extended research and education for people to the petroleum industry.

This research initiative is considered unique and will strengthen the opportunity to achieve the short term and long term goals defined by the program. The result of our research effort will be shared and contribute to improving society at large, along with supporting sustainable value creation in business.

We confirm that UiS will invest own resources in the centre in the form of establishment and use of laboratories, strategic funding of research, and academic personnel. This will be achieved according to the cost and investment schedules described in the CRI (SFI) proposal.

Yours Sincerely,

A handwritten signature in black ink, reading "Bernt S. Aadnøy". The signature is written in a cursive style with a distinct loop at the end of the last name.

Bernt S. Aadnøy
Head of Petroleum Engineering Department