

Digitalization perspectives from the oil and gas domain

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The SIRIUS Centre

Eight years' financing from RCN

12 Industrial Partners (11 in 2017)

3 Leading Academic Institutions

Centre for Research-Based Innovation

Funding for 20 Ph.D. students

Innovation through prototypes and pilots

45 affiliated researchers



UiO **: University of Oslo**







The digital world





Machines

- Are machine learning and artificial intelligence oversold?
- Are systems safe? Reliable? Resilient?
- Do we have the data? Is the data good enough?
- How do machines support better work practices?
- How much of our decision-making is decided by science fiction?







Platforms

- Whose platform?
- Whose data?
- Platforms as the new silos?
- Sovereignty, ownership and integrity?
- Security?
- Design of platforms?
- Interoperability?





Crowds

- Capturing the contribution of each engineer, geologist or planner
- Open supply chain to share data
- Work with vendors in co-design
- Expand access to start-ups and SMEs
- Build an agile culture without anarchy
- Self-service access to data and analytics





SIRIUS Center for Scalable Data Access in the Oil and Gas Domain







Through beacon projects





