

*iNTeg-Risk: Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks*

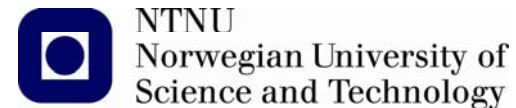
## **Knut Øien**

**(Person in charge of the scientific and technical  
/technological aspects in the project)**

Ph.D. – Senior Scientist



Adjunct Professor



**SINTEF, Norway**

**(Research Institute – R&D partner)**

ERRA leader (C2), WP leader (WP1.4; ERRA Topic C),  
Task leader (7 tasks), task participant (10 tasks)

## ERRA C2 – Remote operation in sensitive areas



The “hot topic” in ERRA C2 is the combination of:

- Remote operation (or integrated operation – IO) – a new production technology (ERRA C)
- Environmental risk requirements – stricter demands in the Northern Regions (zero discharge policy)
- Harsh climate and other new challenges in the Northern Regions

Our contribution/solution is first of all the development of **early warning indicators** (to be aware of problems and avoid incidents/accidents)

## Expectation from the project/intended exploitation of the project results:

- Process
  - Fruitful collaboration with colleagues across Europe
- Product/results
  - Contribute to and acquire knowledge in order to be in the leading edge on research on emerging risks in general and on *leading indicators* specifically
  - To exploit the results on leading indicators as early warning on the Goliat field in the Barents Sea to avoid oil spills/accidents
  - To disseminate the knowledge gained through academic courses