



Ice Operations - ICEOPS

Ice Operations (KO2100 ICEOP)

Programme funding: 1 093 503 € Total budget: 1 215 002 €

Duration: 15.10.2018 – 15.10.2021

Call for proposal: 2nd call for proposal

Type of the project: Standard Project

Priority axis: 1. Viability of arctic economy, nature and environment

Thematic objective: 1. Business and SME development

The project will build new competence, develop new and innovative solutions for industry operations and developments in the Arctic and with ice, exchange know-how and best practices solutions from the industry, and improved models for ice-structure interaction-operation-management to increase safe and reliable operations/developments and followingly to ensure sustainability in industry transport and operations under cold climate conditions. This will increase the preparedness and followingly reduce the risk for incidents that can cause oil spill.

The ICEOP project main objective is to give increased business development opportunities for oil and gas exploration and production in the arctic by improved maritime accessibility, better knowledge of ice conditions and more accurate models to ensure safe and environmental friendly field developments by:

- Performing field expeditions, measurements and data collection.
- Increasing the current knowledge base of the Barents Sea area ice conditions.
- Establishing best-practice models/understanding for ice and structure interactions relevant for the Barents Sea.
- Recommendations for oil and gas field development concepts.

The project is divided into the following four work packages (WPs):

- WP 1 Barents Sea Ice Conditions
- WP 2 Field Explorations and Surveys Transfer
- WP 3 Laboratory Analysis of Field Data
- WP 4 Ice Mechanic Models & Marine Operations

A very competent project group has been established with partners who have complementary knowledge within the most ICEOPS technical disciplines. The project is led by Northern Research Institute Narvik (Norut Narvik) as lead partner.

Other project partners are:

- Northern (Arctic) Federal University
- Luleå University of Technology (LTU), Luleå, Sweden
- The Finnish Meteorological Institute (FMI), Finland
- Storvik & Co AS
- Industry

The project is financed through the Kolarctic CBC 2014 – 2020 Programme, which is a program that supports collaboration between the North-Calotte and North-West Russia. The project is also financed by the Nordland County Council and Region Norrbotten.

For more information - The ICEOP project will have a web page at <https://iceop.eu> that contains news and results from the project as well as background and contact details for the project partners.

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