USING KNOWLEDGE OF THE PAST EMERGENCY RESPONSE OPERATIONS ON SVALBARD FOR COMPETENCE DEVELOPMENT EFFORTS

Project financed by Research Council of Norway «MAREC- The Inter-organizational coordination of mass rescue operations in complex environments» (SAMRISK-II program)

MAREC analyses of case studies of SAR/SEAO operations:

Cases in Svalbard: Northguider grounding, Norma Mary fire on board, Maxim Gorkij sinking, MI-8 helicopter crash, the TU-154 plane crash, Exercise Isfjord, SARex Svalbard exercise.

Focus:

- Coordination in challenging operational conditions
- Preparedness institutions framework
- Incident command, managerial roles and structuring mechanisms
- Information sharing between different actors
- Recommendations for training and simulation exercises to be employed in incident commander competence development



Northguider, photo: Governor of Svalbard

References



SARex Svalbard, photo: Natalia Andreasser



Maxim Gorkij sinking, photo: Odd Mydland

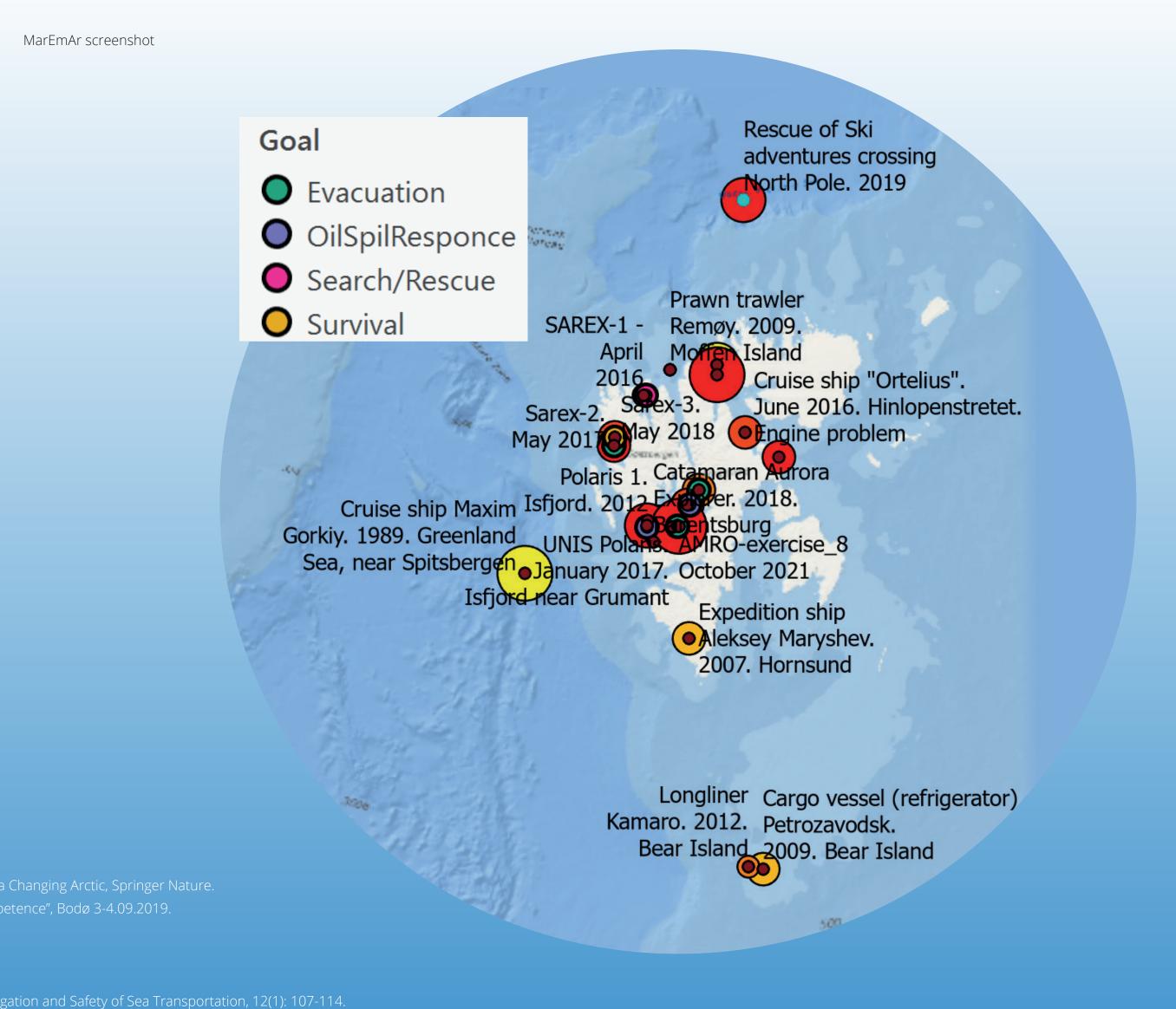
Increasing the link between education and science – how to develop science-based higher education

- •The online map resource increases student-active learning by visualizations and information representation in case studies, tabletop exercises and simulator training.
- The online map resource can contribute to open science, can be used for data collection and research within emergency management of response operations in complex environments like Svalbard.
- The map is a database of experiences from exercises and incidents in Svalbard, can be used as a tool for research-based education in the Arctic region.
- Scenario-based exercises and group assignments are used in higher education, for instance on the program Master in Preparedness and Emergency Management at Nord University



Exercise for students at master program in preparedness and emergency management, photo: Hege Eilertsen

An online Geographical Information System (GIS) called MarEmAr: Marine Emergencies in the Arctic





Andreassen N. & Borch O.J. (eds) (2020) Crisis and Emergency Management in the Arctic Navigating Complex Environments, Routledge.

