

Polar ICE

Polar Code Implementation, Compliance and Enforcement

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Outline of presentation



- What is NORCE?
- Project background
- Project objectives
- Partners
- Implementation

This is NORCE



900

Employees



6

Leading institutes



6

Key areas of research



1,2

Billion NOK



4

University owners



10

Cities

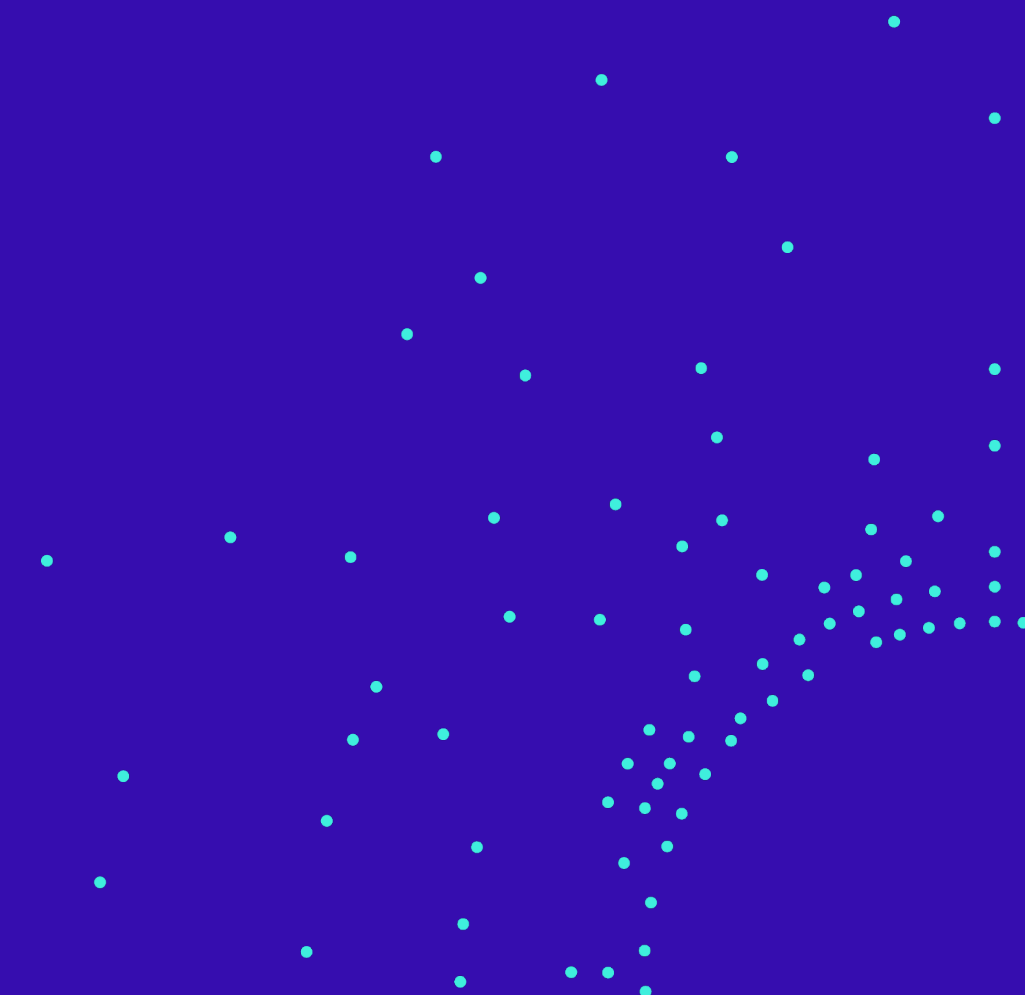
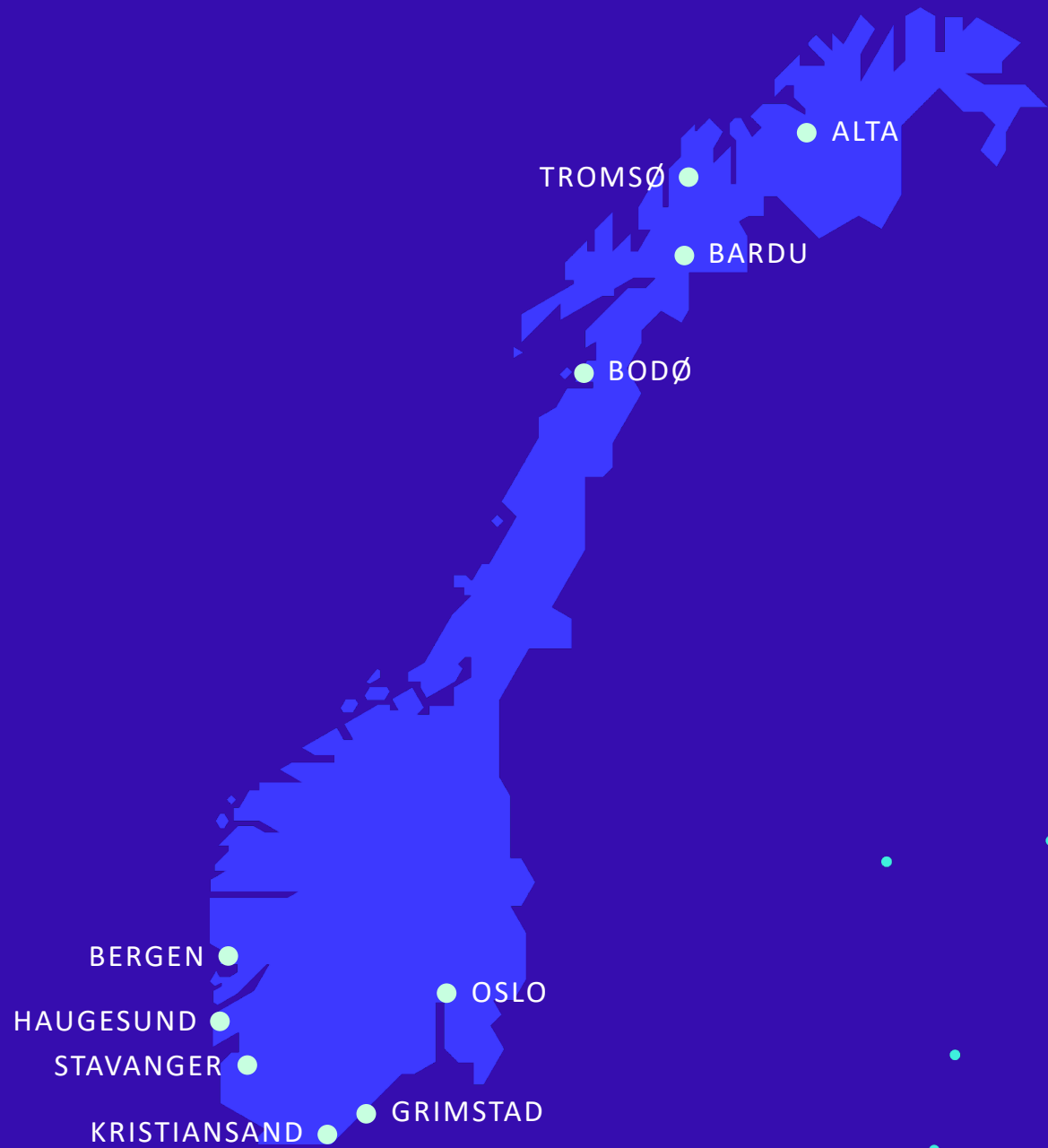


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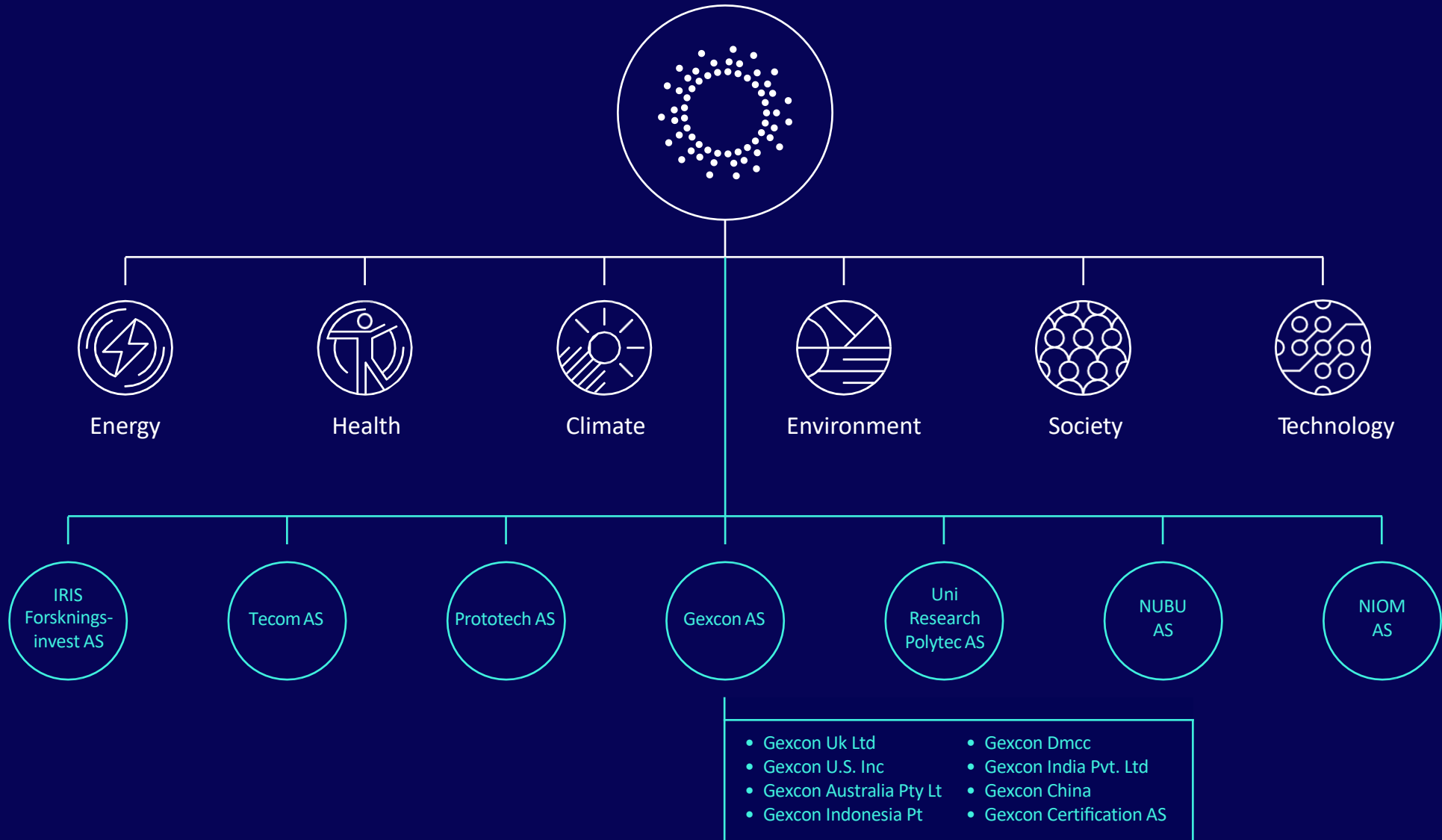
Nationalities

Joining NORCE





NORCE structure



Background



Complex constellation of interests:

1) Regional divisions

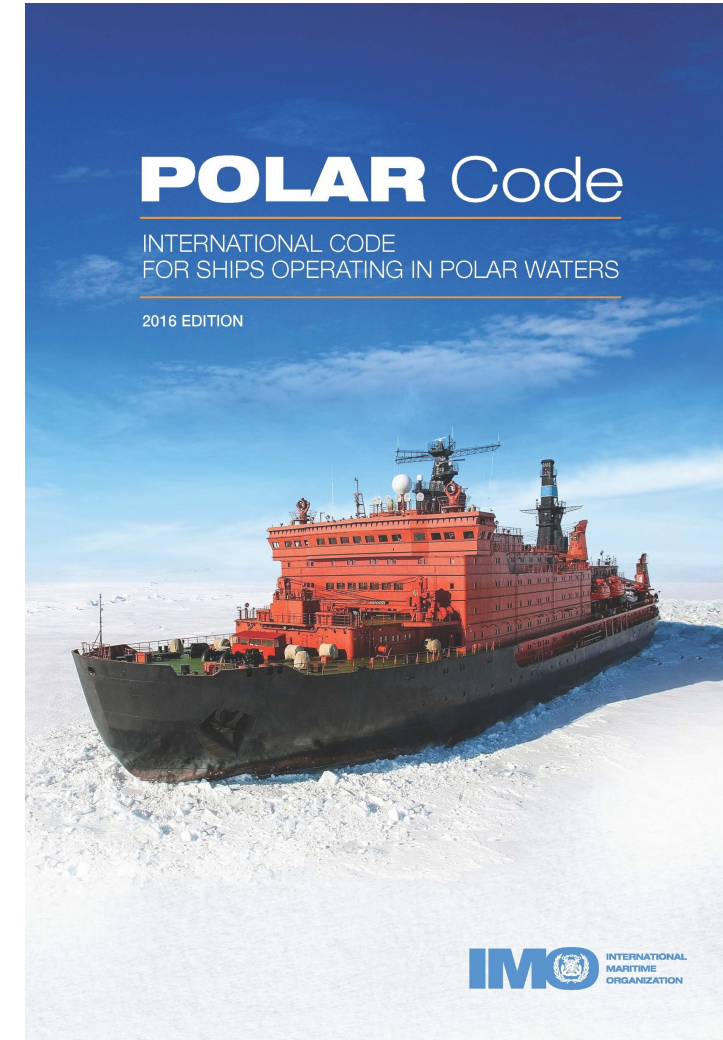
(Arctic vs. Antarctic, among the Arctic States)

2) Functional divisions

(Flag states, coastal states, port states, cargo owner / destination states)

3) Interests of non-state stakeholders

classification societies, ship operators, cargo owners, environmental NGOs, etc.



Implementation challenges

Goal-based functional requirements (Part I-A)

Implementation of Part I and Part II – different approaches

Harmonized interpretation

Human element

Crew training and manning

LSA and survivalability requirements

Regulatory and enforcement bodies

Scope of application

Ship category

Ice/polar class

Ice conditions

Operational Assessment

PWOM

Port State Control

POLARIS

Status

One parameter

«Interim guidance»

Human element

International cooperation



International efforts to facilitate implementation:

- IMO
- Arctic Council
 - PAME
 - Arctic Shipping Best Practice Information Forum
 - Arctic Council/IMO interplay
- Paris and Tokyo MoUs on Port State Control
- WMO, IHO/ARHC, IICWG

Strengthening of the Polar Code



1) Strengthening the existing provisions and enhancing implementation

Parts left blank and not addressed (primarily environmental)

POLARIS

2) Phase 2 – non-SOLAS vessels

Decision on more experience

Fishing vessels – Torremolinos Protocol/2012 Cape Town Agreement

Pleasure yachts not engaged in trade (above 300 GT) and cargo vessels (300-500 GT)

Outstanding issues



- heavy fuel oil
- grey water
- underwater noise
- air emissions from ships / black carbon
- marine plastic litter

Project objectives



Main goal:

To develop a better understanding of differences in PC interpretation and knowledge gaps that are influencing on effective and consistent implementation of the Polar Code.

Project objectives



- 1) to **identify** and **map out** how different flag states **interpret** specific PC provisions and **how** these **interpretations are received** by other stakeholders (classification societies, ship operators, insurers, Port State Control, coastal states) through their own guidelines and approaches; **to identify** and **map out** the key **knowledge gaps** in this regard;

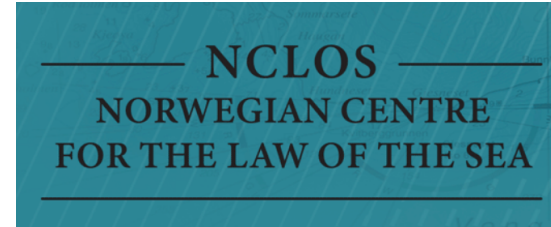
Project objectives



- 2) to **analyse the legal aspects, consequences and measures** to address the issues identified, also through a **comparative study** with other IMO instruments, such as the ISM Code and the ISPS Code, which also rely heavily on the owner/operator to develop processes that adequately address a specific ship and operation;

- 3) to **compile a catalogue** of different **interpretations, knowledge gaps** in stakeholder's understanding of specified PC provisions as well as **a list of possible international mechanisms and measures** to address these issues.

Project Partners



NORCE

NORD
universitet



St Petersburg
University



Michael Kingston
Associates Ltd.

Collaborators:



Centre for the Ocean
and the Arctic



KYSTVERKET
NORWEGIAN COASTAL ADMINISTRATION



HALPIN
Centre for Research & Innovation at NMCI
Ionad um Thaighde agus Nuálaíocht ag NMCI



Sjøfartsdirektoratet
Norwegian Maritime Authority

Aker Arctic

Project organisation

WP1

Identification and mapping of different interpretations of the PC provisions in defined areas and gaps in knowledge and information and engaging with stakeholders on these aspects of the PC implementation.

WP2

Legal analysis of the identified interpretation issues, supplemented by interviews along with a comparative study of the implementation of other IMO codes.

WP3

Compilation of a catalogue of different interpretations with additional, knowledge gaps in stakeholder's understanding of selected PC provisions and information gaps in the Forum's Web Portal; identification of most effective international mechanisms and measures to facilitate PC implementation.

Relevance for PAME projects



- 1) Facilitating a harmonised interpretation of the Polar Code
(Lead: Norway)
- 2) Harmonised implementation of the Polar Code
(Lead: Finland/Russian Federation)

Thank you!