



Northern Naval Capability Cooperation - Update -

Chairman JSC NNCC

RDML P.H.A. (Paul) Flos

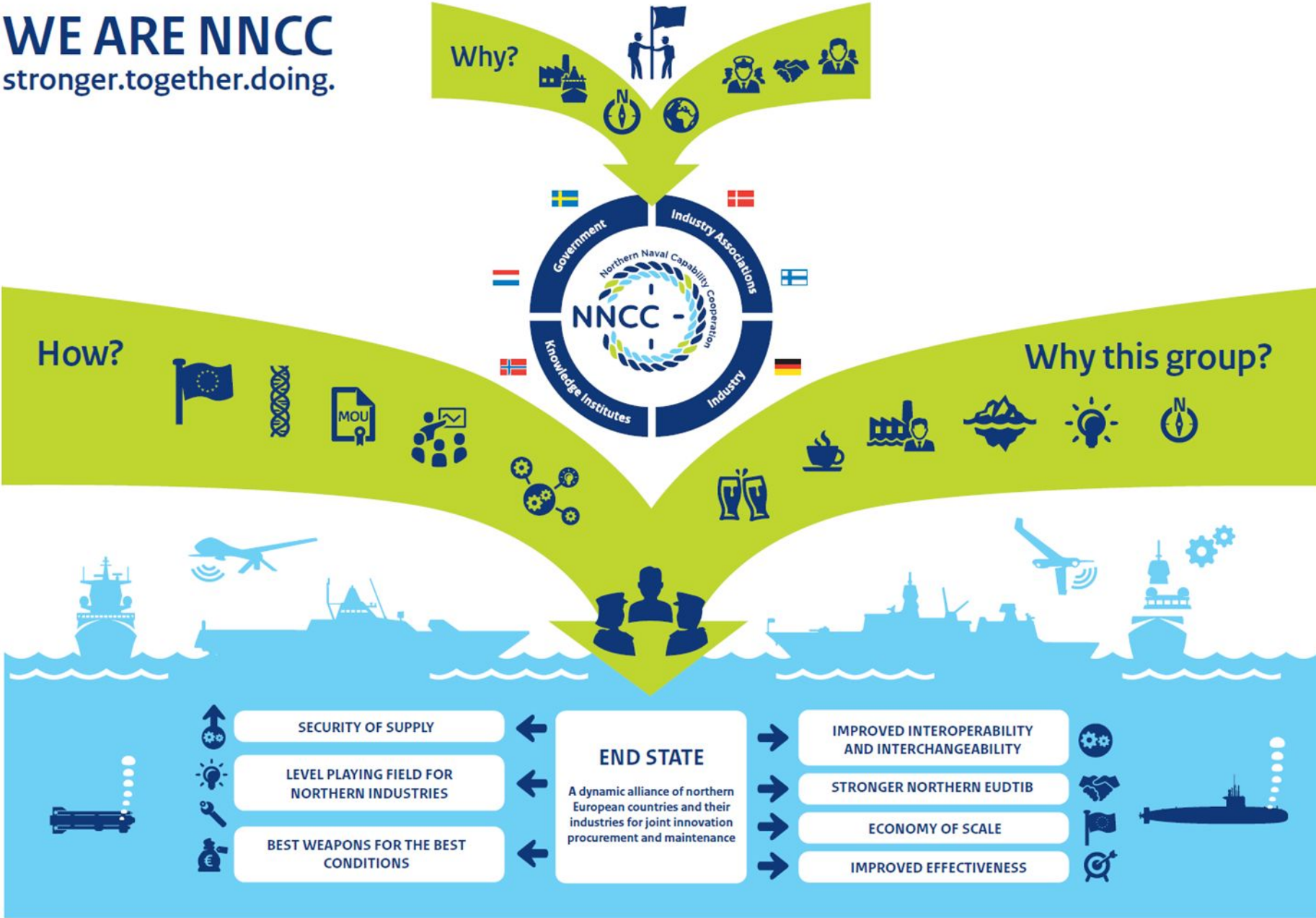
Feb 11, 2025

Agenda



- 1. NNCC:**
Advancing Northern Naval Capability Cooperation
- 2. SeaSEC:**
Enhancing Undersea Security in the North Sea and Baltic Sea
- 3. Roadmaps:**
 - Data and AI
 - USV

WE ARE NNCC
stronger.together.doing.



NNCC Milestones



SeaSEC

- SeaSEC: Securing Undersea Infrastructure
- USV /UUV system testing in operational scenario's
- Ecosystem of industry, knowledge institutions and governments

Hybrid Propulsion

- Joint project development in EDF 2025 work program
- Strong NNCC industry consortium
- Future-proof solutions for upcoming fleet

Integrated Logistic Support (ILS)

- ILS cooperation enhances naval system availability
- Reducing operational costs through shared standards, aligned with NATO
- NNCC initiative to harmonize ILS specifications

Expanding International Networks

- NNCC at key events in 2025; Strengthening partnerships & showcasing capabilities
- Navy Tech Event – Helsinki (Feb)
- Combined Navy Event – Farnborough (May)

SeaSEC: Seabed Security Experimentation Centre



SeaSEC Mission

Accelerating the adoption of capabilities to secure underwater infrastructure in shallow waters.

What we do

We focus on experimentation, data collection & analysis, validation, scenario & risk assessment and decision support for deployed capabilities.

Opening SeasEC 2023



SeaSEC Facilities (NL)



- Scheveningen (The Netherlands),
- Direct access to the North Sea,
- Designated as a testing ground 10 by 10 NM

Port facilities:

- Conference center, Control Area,
- Quay space, Slipway,
- Support by knowledge institution TNO.

Testbed on the North Sea



SeaSEC Challenge Weeks May 2025



Objectives

- Demonstrate current technology performance
- Demonstrate relevance for CUI protection
- Provide input for CUI protection concept development and tech requirements
- Encourage industrial development and collaboration
- Facilitate collaboration between stakeholders from (semi)military & civilian sectors



Industry involvement

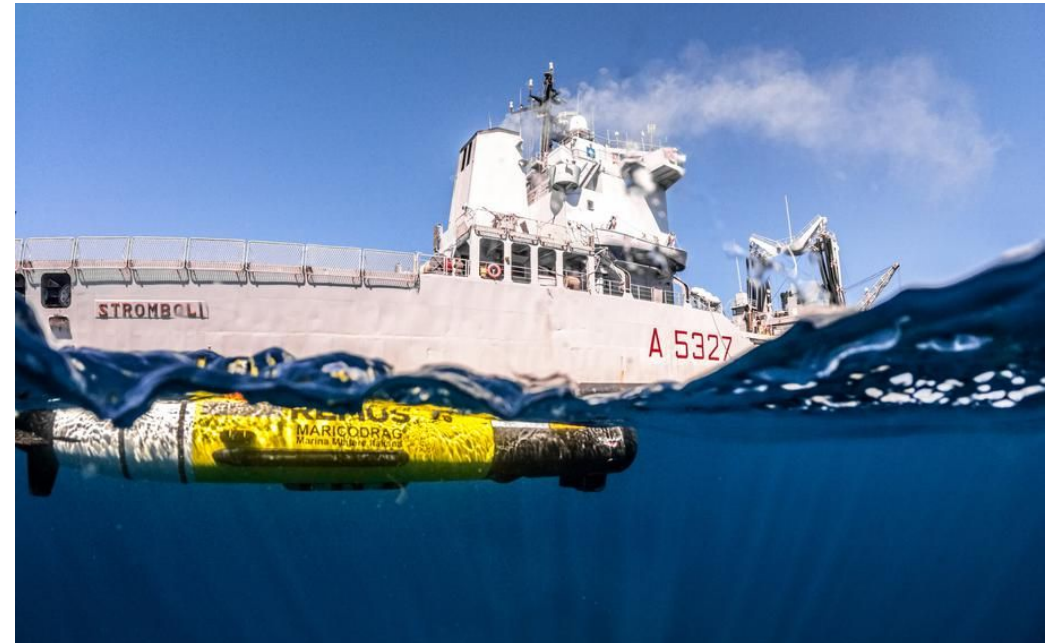
- 20+ companies are providing their systems
- Hands-on operational experimentation



Connection with NATO initiatives



- Taskforce X
- MARCOM / Northwood
- Test facilities



Integrated Logistic Support (ILS)

Goal

Common ILS standards and specifications

to achieve:

- increased operability
- improved interchangeability
- ensured supply chain resilience

Why Need Integrated Logistics Support



- Enhances system readiness
- Reduces life cycle costs
- Improves maintenance efficiency
- Ensures supply chain resilience
- Facilitates equipment sustainment

Hybrid Propulsion



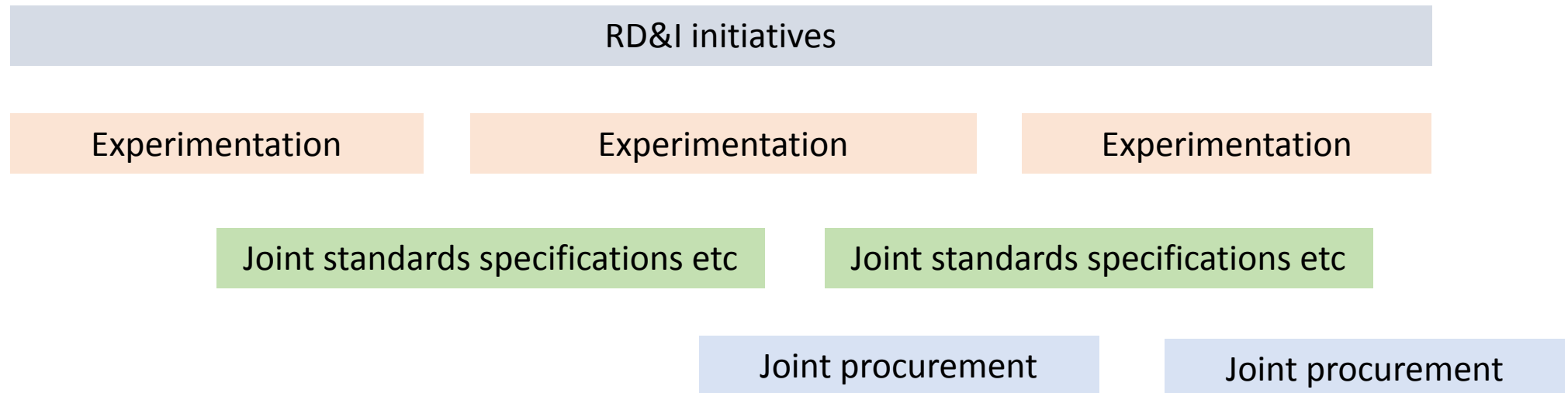
Goal

- Hybrid Propulsion for Naval Vessels for EDF WP 2025



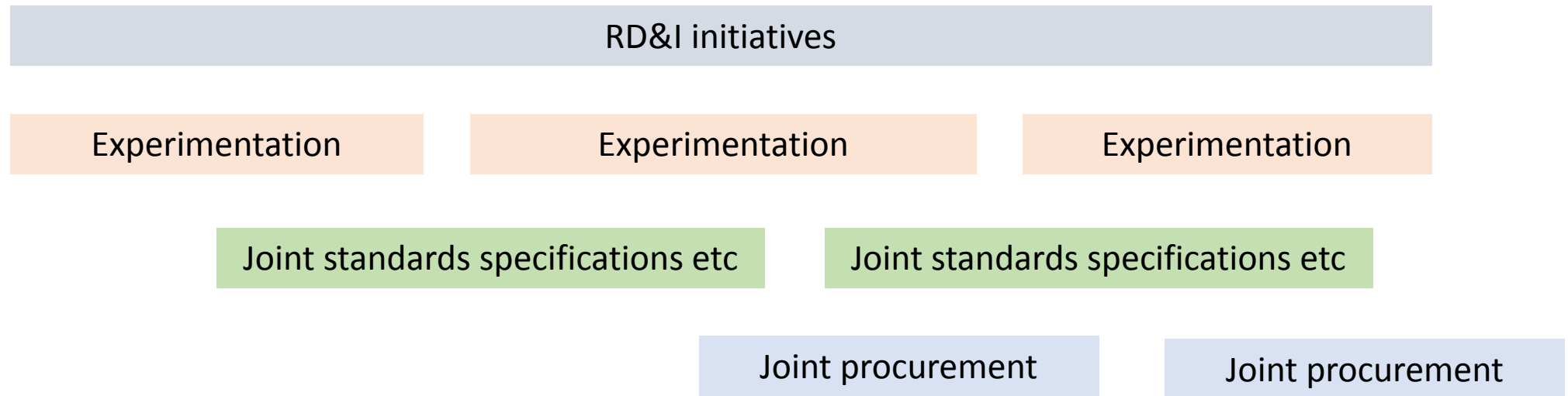
Roadmap: Data and AI

An operational capability that enables effective CUI protection and maritime situational awareness in the undersea domain, using an adaptable and interoperable system to process and share data efficiently, even with limited resources.



Roadmap: USV

A capability to fully prepare and de-risk procurement of uncrewed and low manned vessels, in interaction with industry and knowledge institutions, in which the knowledge, experience and experimental facilities within the NNCC countries are shared and exploited.



Conclusions



- NNCC cooperation on track > First results achieved
- Focus on first results roadmaps Data/AI and USV's
- Expanding cooperation in North Europe and alignment with NATO initiatives

Contact us!



For questions or more information, email
NNCC.secretariat@mindef.nl