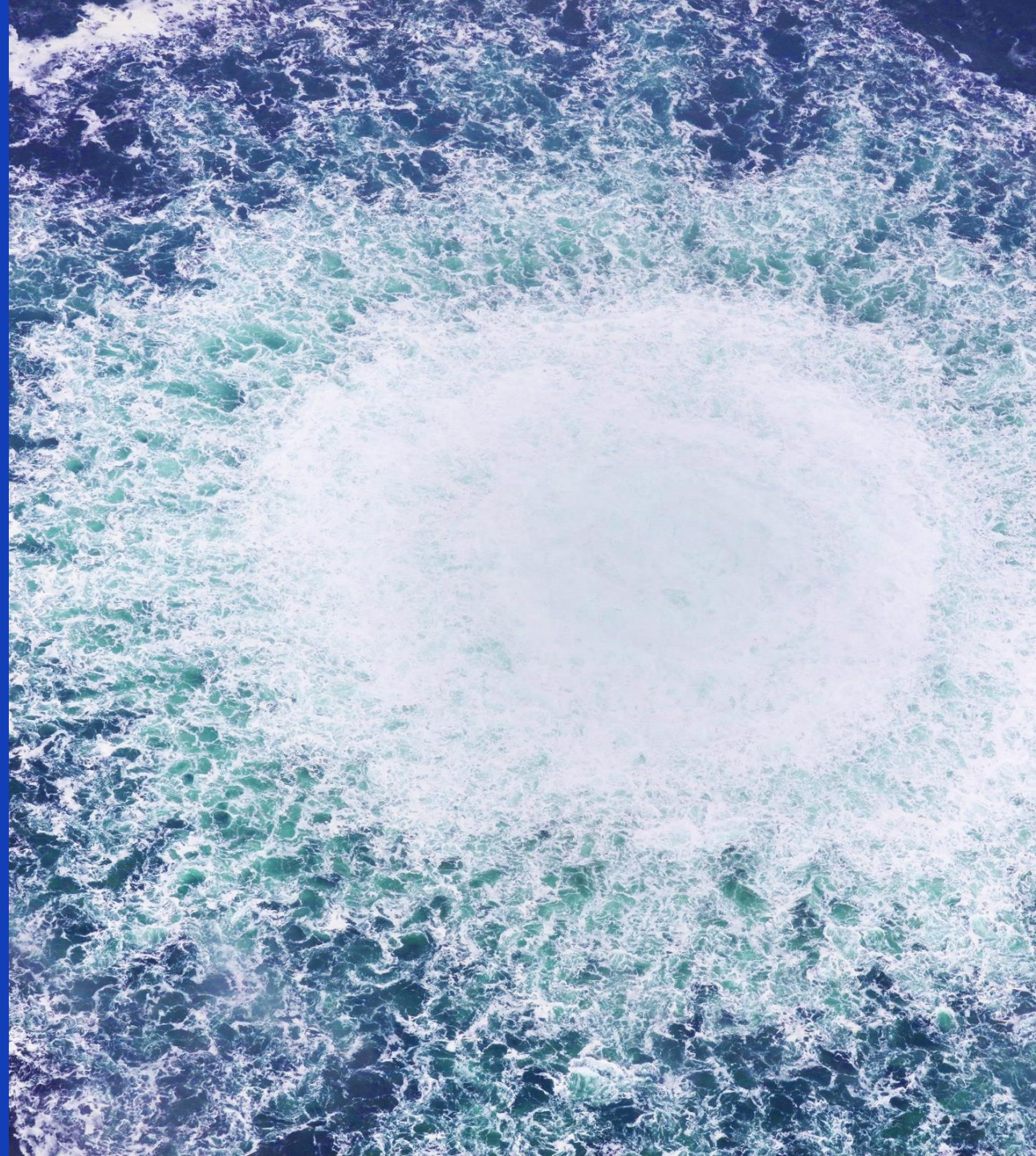
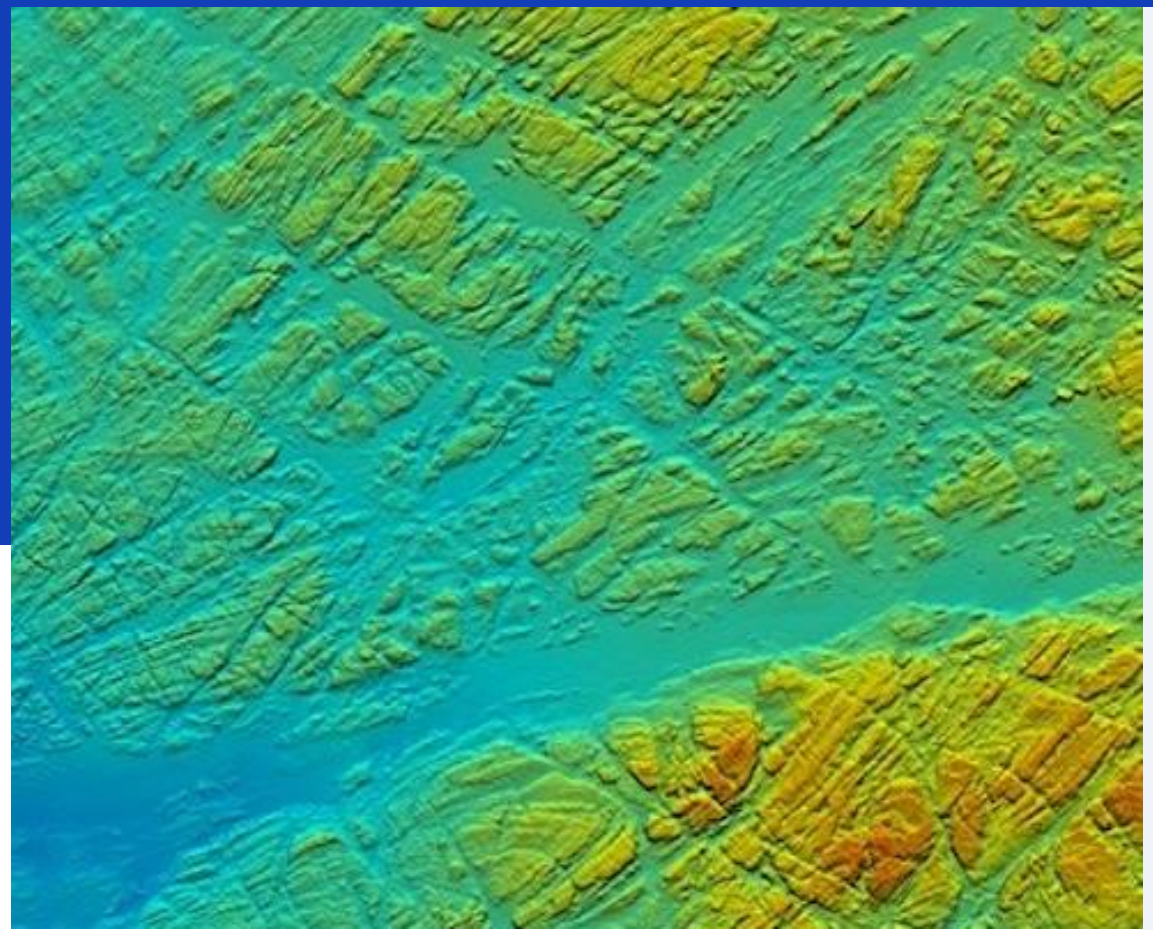
NNCC & SeaSEC

Accelerating underwater SA/SU

RDML RNLN Paul Flos | May 2024



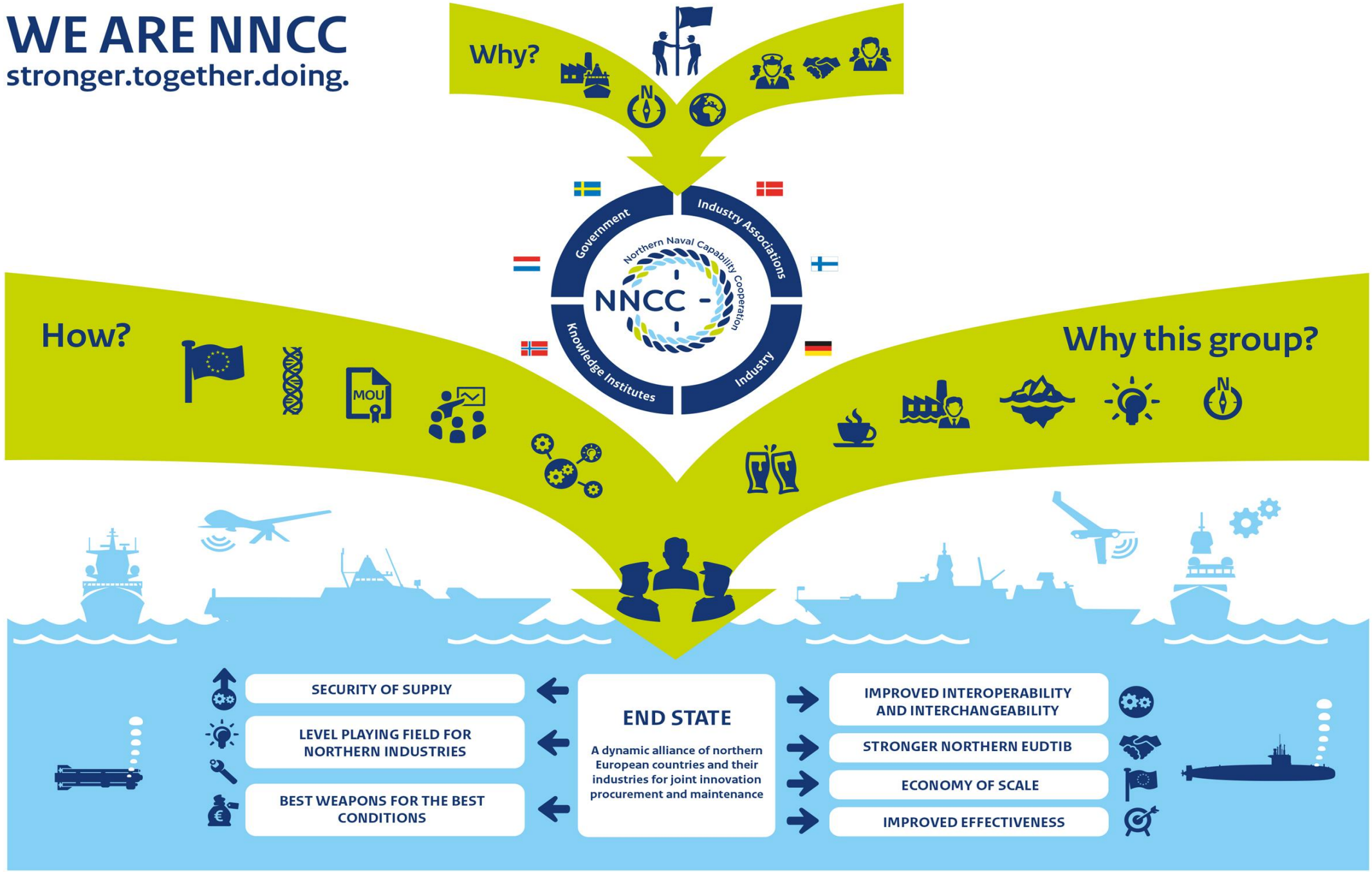
Agenda



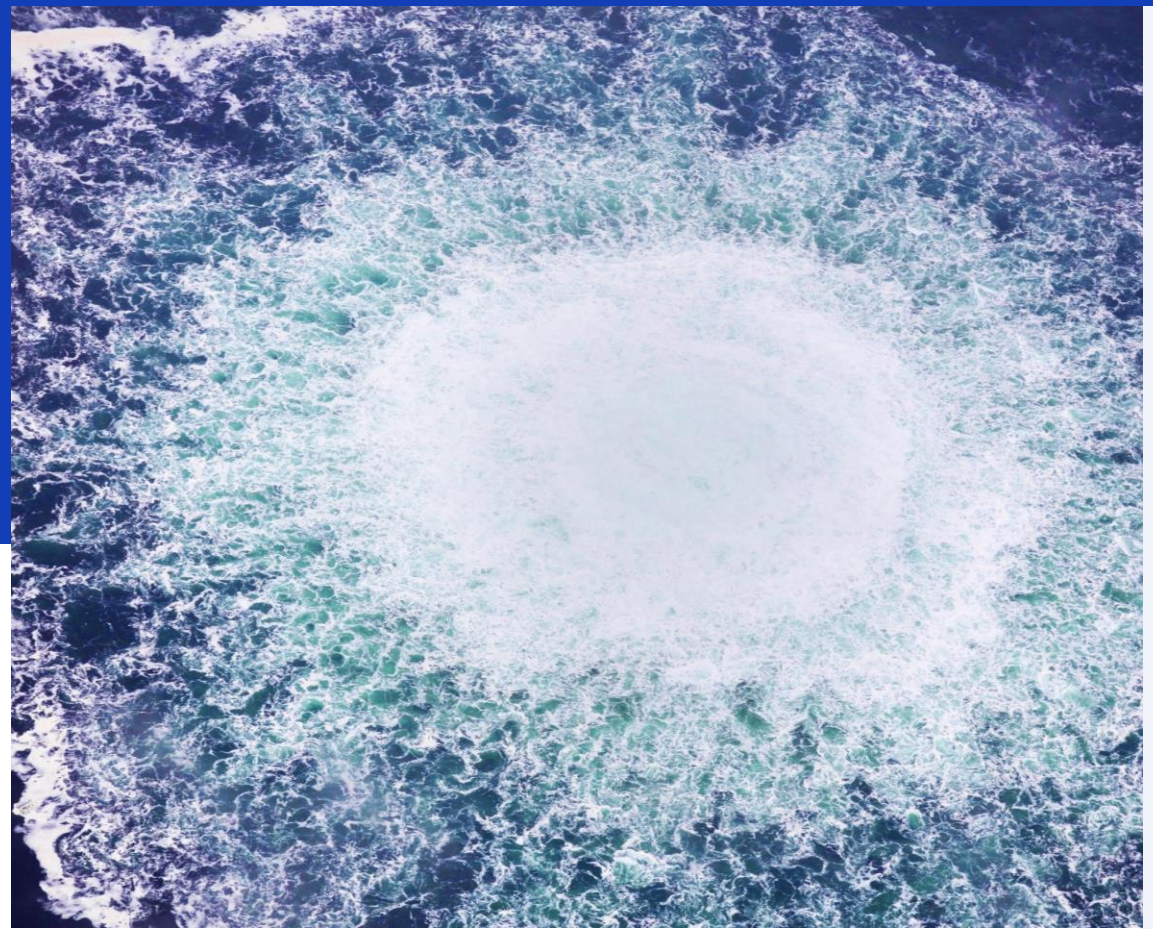
1. NNCC
2. SeaSEC initiative
3. WIFM stakeholders
4. Way Forward
5. Back to you …

WE ARE NNCC

stronger.together.doing.



CUI Protection: A new Threat & new Opportunities



- Nord Stream made the obvious clear to all
- Security challenges to CUI investors, builders, owners, operators, insurers, governments (law enforcement, coast guard, military)
- Unclear responsibility boundaries, threats, risks and mitigation effectiveness, non-existent security regulation
- The good news: a lot of useful stuff is already out there
- The threat is here now – cooperation is the only option

Inspiration: TF59

- Short Cycle Innovation
- Dual-use technology, EDT's
- Focus on warfighting utility: What problem are we going to solve?
- Bringing together mil. operators and civil technology providers, i.e. problems and solutions
- Experimenting with technologies while building SA
- Collapsing decision cycles

Northern Naval Capability Cooperation
NNCC
SeaSEC
Seabed Security Experimentation Centre

Our facilities

- Campus@Sea
  - Conference centre, Quay, Floating pier, Beach, Slip-way
- ‘Scheveningen harbour, The Hague
- Direct access to sea
- Permits and waivers
- Scientific support by TNO

SeaSEC initiative

WHY Critical Undersea Infrastructure (CUI) protection

HOW

- Short cycle innovation (*learning faster by doing*)
- Industry + governments + science institutions
- Existing unmanned/autonomous systems & sensors (TRL >7)
- ‘Sandbox’ and salt (virtual & real-world)

WHAT

- Challenges, Demos, Scenarios and experimentation campaigns
- North Sea and Baltic (fluid and frozen)

SeaSEC initiative

What will we actually be doing?

- Experiment together within the new security context
- Building SA/SU based on short cycle innovation
- Compare and adjust for North Sea and Baltic environments
- Realistic scenario building
- Data transfer and data fusion (virtual and live, real time, geo located)
- Innovate cooperation ways, private and military
- Be a meeting place for all stakeholders

WIFM – Governments

- Understanding the security dimension
- Develop specific and actionable policies
- Improve International coordination and cooperation
- Explore Hybrid responsibilities

– No one can do this alone

WIFM – NNCC Navies / Coast Guard

- Operational demand definition
- Accelerated SA/SU (*Continuous IGO improvement*)
- Explore hybrid responsibilities and security needs
- Identify capability gaps
- Improve cooperation effectiveness
- Getting from reactive to proactive

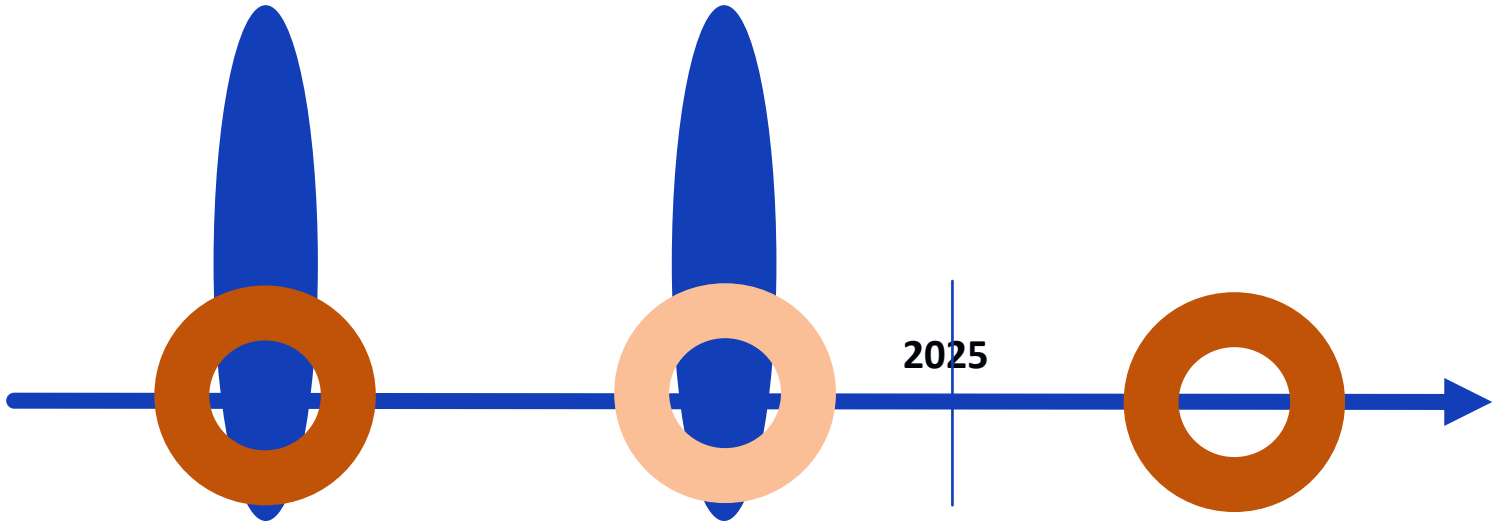
WIFM - Industry

- Understanding new customer needs
- Use-cases in operational scenarios
- Valuable feed-back
- TNO can help find solutions we need to cater to new markets
- Building, benefiting from new relationships & intl. partnerships
- Contribute to a safe and livable world

Courtesy FUGRO

SeaSEC Learning by Doing

Medium term ~~Road Map~~ Sea Chart



June 2024

SME innovative tech solutions

Challenge weeks ’25 IPC

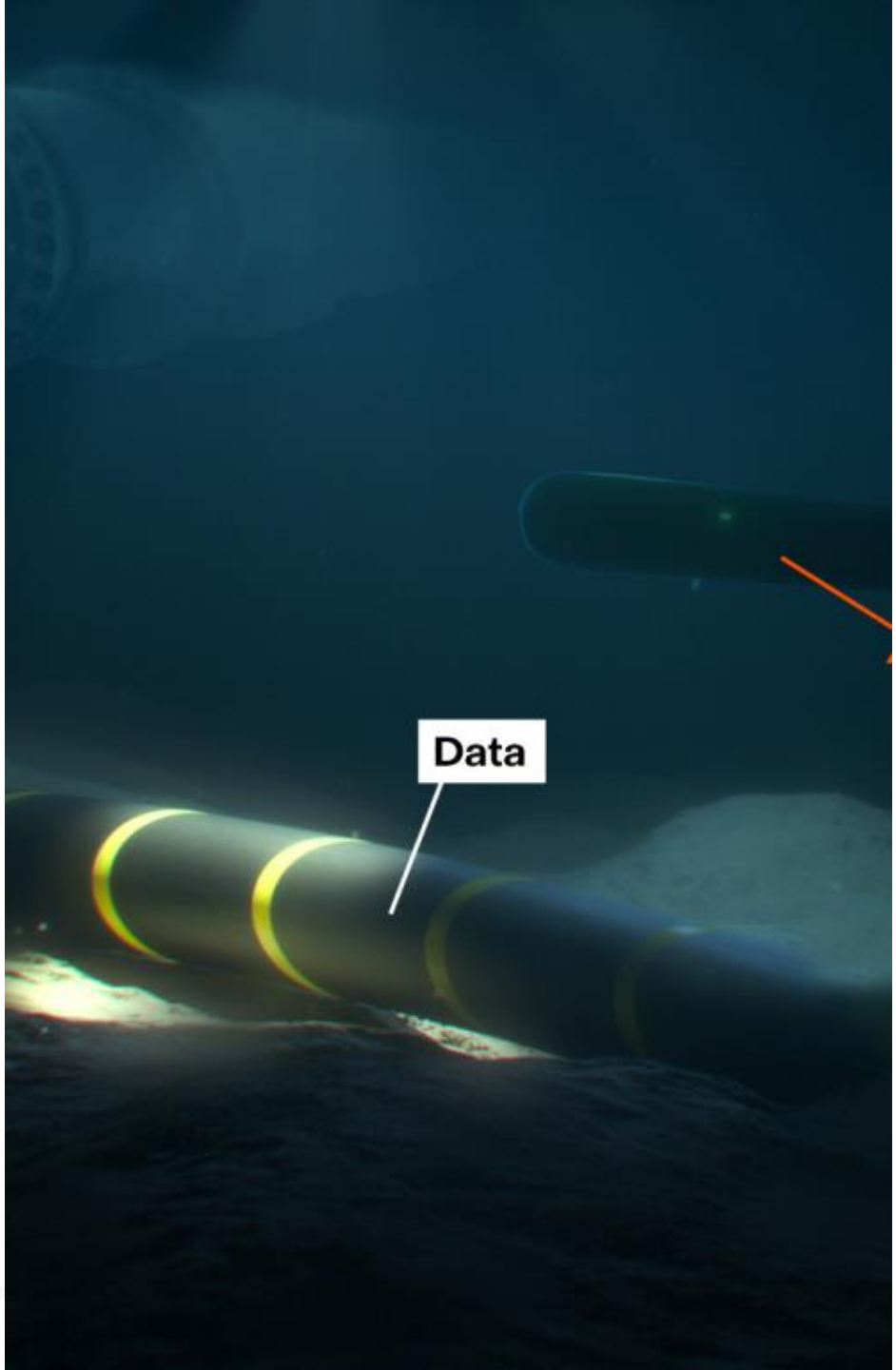
3Q24

Industry innovative tech solutions

Challenge weeks ‘25 MPC

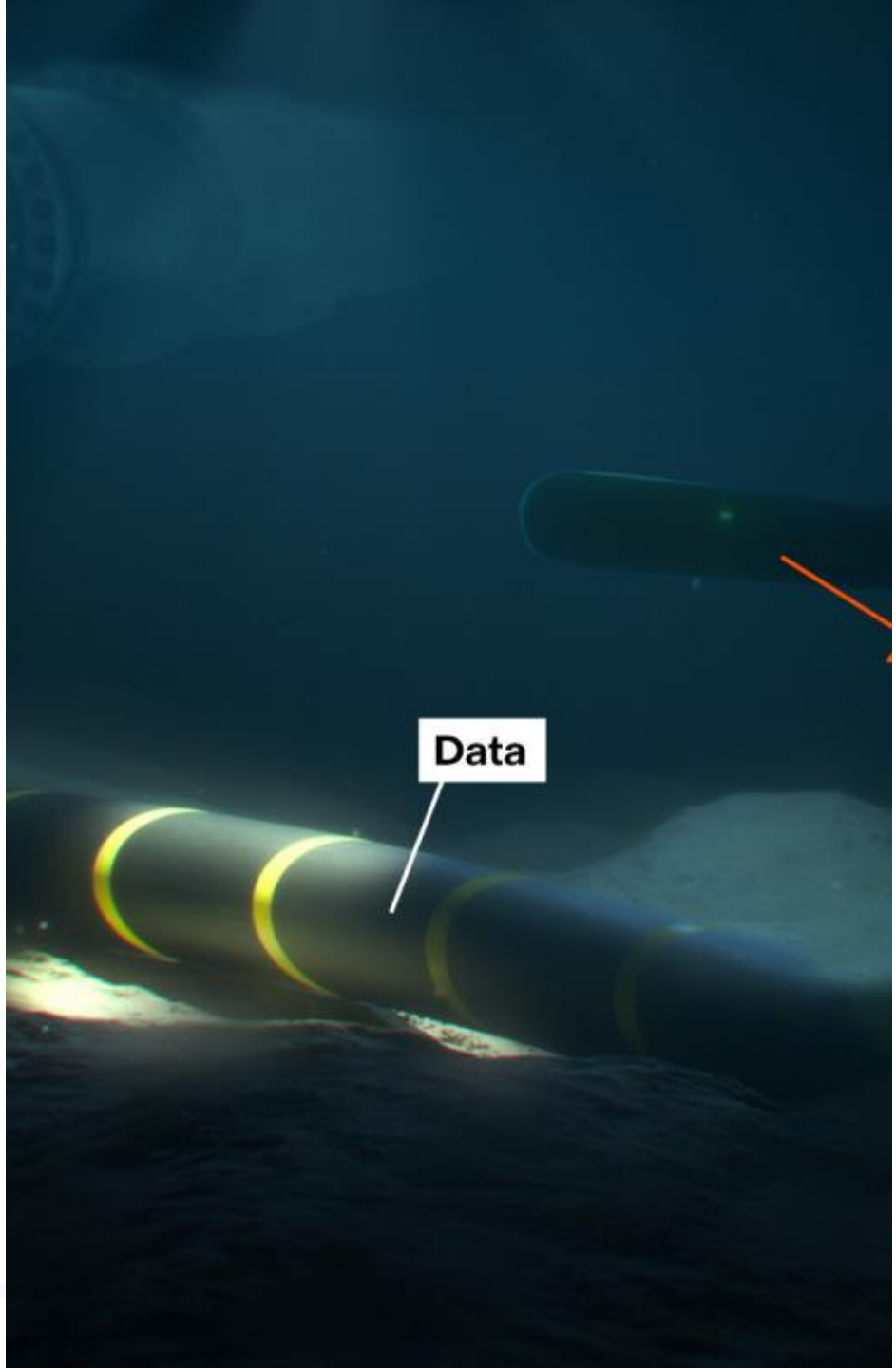
2025

Challenge weeks ‘25



In Parallel

- Chain of NATO test centers
- MARCOM
- 24/7 set up
- Further development DRS



Back to you …