## Nasiering Maritime Efficiencev

with new digital communication standards

Webinar 2: Digitalizing Nautical Communication Between Ship and Shore with S-100

## DYNAPORT

#### ITS Norway





#### Agenda

## **1. Introduction to the DYNAPORT project**

Alv Øidvin, Project Manager, ITS Norway

## 2. S-100 general introduction

Svein Skjaeveland, Manager International Standardization, ECC AS

#### 3. S-131

Mikus Ranka, Senior Geodata Consultant, ECC AS

## 4. S-421

John Morten Klingsheim, Senior Engineer, Norwegian Coastal Administration

5. Q&A





Sign up here for Nordic+ webinar on Maritime ITS

May 24th 13:00 CET



# DYNAMIC NAVIGATION AND PORT CALL OPTIMISATION IN REAL TIME



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#### **DYNAPORT key facts**

R&D and University	<b>SINTEF</b> (maritime technology) <b>TUHH</b> (maritime logistics)		chnology) stics)	Simula (AI-based simulation) Aalborg Port R&D
Ports	Sines Aalborg Harwich*		Barcelona* Rotterdam* Gothenburg*	
Shipping Companies	NCL (Container) Grieg Star (Breakbulk, Drybulk) Latsco Marine Management (Tanker)*			
Equipment, Software & Services providers		NAVTOR (nagivation; voyage planning, port arrival) Kongsberg Norcontrol (vessel traffic; surveillance) Kongsberg Discovery (VDES equipment / systems) Space Norway (communication infrastructure)		
Standardization		ITS Norway (Maritime digital standardization) FixLog (Port digitalization) Norwegian Coastal Administration		
Proi	ect title:	DYNAMIC N	<b>A</b> VIGATION AI	ND <b>P</b> ORT
EU Funding: Call:		CALL OPTIMISATION IN REAL TIME		
		7,2 M€		
		HORIZON-CL5-2023-D5-01-13		
Тур	e of Actior	n: innovation action		
👆 Dura	ation:	2024-2026 (36 months)		



Budget:8,8 M€Consortium:19 Partners (5 associated\*), 9 countries





## **DYNAMIC NAVIGATION AND PORT CALL OPTIMISATION IN REAL TIME**





- Reduced GHG & harmful emission at sea and port
- Improved supply chain
- Reduced resources and
- Economic sustainability



## **DYNAPORT WP5: Communication standards**

- Operational and administrative information standards:
  - ISO 28005-1/2/3 Electronic Port Clearance
- Nautical information standards:
  - S-124 Navigational Warnings
  - S-127 Marine Traffic Management (IHO)
  - S-131 Marine Harbour Infrastructure (IHO)
  - S-212 VTS Digital Information Service
  - S-421 Route Exchange (IEC)









#### **ENDORSERS**



International associations are invited to endorse the standards of IHO, IMO and ISO



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#### Thank you for your attention!



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