

**Welcome to the webinar**  
*Navigating towards eco-efficiency*  
*- Best practices and inspiring examples in*  
*AI, 3D and process development!*

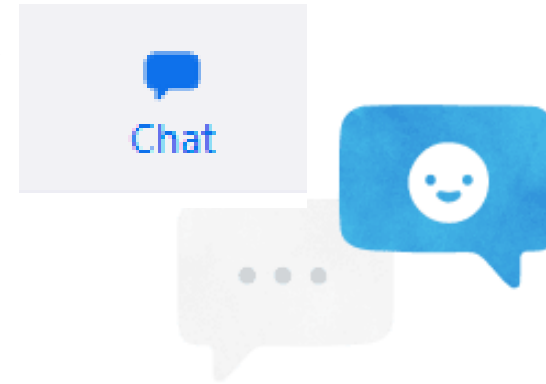
EXOPRODIGI project

Thursday 10 June 2021

Elisa Aro, University of Turku

# Instructions for the webinar

- ▶ Questions and comments using the chat window



- ▶ Replying to poll questions

- Two polls launched during the webinar
- When they are launched, you will see the questions on your Zoom window, where you can answer them.

# Agenda

Time	Topic and speaker/s
CEST	<i>Moderator: Matthew J. Spaniol, PostDoctoral Research Fellow, Aarhus University</i>
11.00 - 11.10	<b>Welcoming words</b> <i>- Elisa Aro, EXOPRODIGI Research Manager, Pan-European Institute at the University of Turku</i>
11.10 - 11.30	<b>Keynote: Breaking the Laws of Gravity</b> <i>- Stefan Lampa, President, Kalmar Mobile Solutions</i>
11.30 - 11.50	<b>Keynote: Navigating towards Smart Ports</b> <i>- Anssi Lappalainen, Senior Project Manager, Awake.AI</i>
11.50 - 12.10	<b>Digital Performance Monitoring - On-board tools for increased ecoefficiency, real-time engine monitoring and fault detection</b> <i>- Marie Lützen, Associate Professor, University of Southern Denmark</i> <i>- Sverre Patursson Vange, Head of Digital Solutions and Analytics, J. Lauritzen A/S</i>
12.10 - 12.30	<b>Optimising Cargo Stowage - Digital data capture, integrated solutions and AI based decision support</b> <i>- Svein Waagstein Rasmussen &amp; Oscar Grossman, Kockum Sonics</i> <i>- Mads Bentzen Billesø, Senior Project Manager, Innovation &amp; Partnerships, DFDS</i>
12.30 - 12.40	<b>Break for stretching and refreshments</b>
12.40 - 13.00	<b>Keynote: Virtual Commissioning - BiW</b> <i>- Mika T Marttila, Lead Project Engineer - Robotics, Valmet Automotive</i>
13.00 - 13.20	<b>Optimising Shipyard Processes - Virtual production facilities and more transparent supply chains</b> <i>- Jonatan Berglund, Co-Founder, Visinator AB</i>
13.20 - 13.30	<b>Questions, comments &amp; further remarks</b>
13.30	<b>Thank you &amp; see you again soon!</b>

# What EXOPRODIGI aims to do?

- ▶ *EXOPRODIGI - expands efforts of bringing eco-efficiency to maritime industry processes in the Baltic Sea Region (BSR) via digital tools*
- ▶ The digital tools and solutions will support decision making, create transparency, and more importantly, decrease waste, emissions and energy consumption.



# Project data: duration, budget, partners

Duration: January-September 2021

Budget: ~ 879 000 euros



- ▶ 13 partners representing four countries: Finland, Sweden, Denmark, Lithuania
- ▶ Three Associated Partners from Sweden and Denmark:
  - Logimatic Solutions
  - Vessel Performance Solutions
  - RISE, Research Institutes of Sweden

# Building on the work of ECOPRODIGI by:

- ▶ Installing more equipment and gathering more data
  - improve the quality of the digital solutions developed in ECOPRODIGI
- ▶ Better implementation of solutions and validation of economic and environmental benefits
- ▶ Further testing of the solutions with existing and new pilot cases



# Three maritime segments



1. Digital performance monitoring



## Presented by:

- Marie Lützen, University of Southern Denmark
- Sverre Patursson Vange, J. Lauritzen



2. Cargo stowage optimisation



- Svein Waagstein Rasmussen & Oscar Grossman, Kockum Sonics
- Mads Bentzen Billesø, DFDS



3. Optimising shipyard processes



- Jonatan Berglund, Visinator AB

Photos: Tapio Karvonen

# Who do we have in the audience?

- Results from the poll





# Have an insightful webinar!

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