

Harnessing Digitalisation for the Benefit of Maritime Industry



WELCOME

2.12.2020

Project Manager Milla Harju milla.e.harju@utu.fi

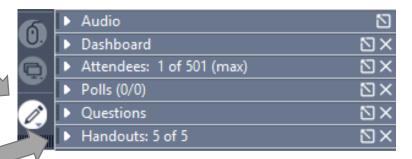




EUROPEAN REGIONAL DEVELOPMEN' FUND

Welcome to the webinar!

- Questions and comments from the audience are welcome! Please use the **Questions** section in your GoToWebinar toolbar to type in your questions or comments.
- We've added some materials for you to download and read. Please check the **Handouts** section in your GoToWebinar toolbar to access the materials:
 - Policy briefs: Digital Performance Monitoring, Optimising Cargo Stowage Processes & Optimising Shipyard Processes
 - **Reports**: Maritime in the 21st Century & Road to Shipyard 4.0
- Make yourself comfortable and enjoy the webinar!







Today's Agenda

Time	Subject / Speaker
09.30 - 09.40	Welcoming words Milla Harju, ECOPRODIGI project manager, Pan-European Institute at the University of Turku
09.40 - 10.00	Keynote: Digitalisation of maritime industry – through the pandemic and beyond <i>Lars Jensen, CEO, SeaIntelligence Consulting</i>
10.00 - 10.20	Digital performance monitoring solutions for eco-efficient vessel operations Sverre Patursson Vange, Head of Digital Solutions and Analytics, J.Lauritzen Marie Lützen, Associate Professor, University of Southern Denmark
10.20 - 10.40	Cargo stowage optimisation with the help of digital solutions Mads Bentzen Billesø, Senior Project Manager, Innovation & Partnerships, DFDS
10.40 - 10.50	Break for stretching and refreshments
10.50 - 11.10	Streamlining shipyard processes with digital solutions and new concepts Maarit Lappalainen, Vice President, Carina Consulting Solutions, Carinafour Andrius Sutnikas, Development Manager, Klaipeda Science and Technology Park
11.10 - 11.30	Digital training solutions for shipping companies, ports and shipyards Aki Piiroinen, Project Manager, Machine Technology Center Turku Ltd.





Today's Agenda

Time	Subject / Speaker
11.30 - 11.45	Digitalisation roadmaps for maritime industry in the Baltic Sea region – setting the course for 2020 – 2030 Valdemar Ehlers, Technical Director, Danish Maritime
11.45 - 12.00	Policy agenda for eco-efficient maritime industry in the Baltic Sea region Tapio Karvonen, Senior Researcher, Centre for Maritime Studies, University of Turku
12.00 - 12.10	Break for stretching and refreshments
12.10-13.10	Discussion: The next wave of digitalisation – where is maritime industry heading to? Introduction & moderation: Matthew Jon Spaniol, PostDoctoral Research Fellow, Aarhus University Panellists: Niels Gorm Maly Rytter, Associate Professor, University of Southern Denmark Michael Paarup, Vice Director, COO, Logimatic Solutions A/S Ulf Siwe, STM BALT SAFE Project Manager, Swedish Maritime Administration Leena Jokinen, Education Manager, Finland Futures Research Centre Mads Bentzen Billesø, Senior Project Manager, Innovation& Partnerships, DFDS
13.10 – 13.20	Closing remarks Milla Harju, Project Manager / ECOPRODIGI, Pan-European Institute at the University of Turku Interreg

ECOPRODIGI: Why? Threats and Challenges imposed on BSR Maritime Industry

- State of the Environment / Environmental degradation of marine life
- -> Growing amount of regulation (IMO, EU, national)
- = Need for economically sound and technologically outstanding solutions, quick!
- Growing tech competition from East
- Average age of fleet sailing in the Baltic Sea
- -> Cannot wait for newbuilds







ECOPRODIGI: Facts

Main Objective:

To increase eco-efficiency in the Baltic Sea Region maritime industry through digitalisation

To increase the institutional capacity of shipping companies, shipyards, suppliers and ports to improve the eco-efficiency of their current operations as well as to create and implement new digital solutions in the future



Project duration: Oct 2017 – Dec 2020

Project budget: € 4,2M





ECOPRODIGI: Partners

 21 Project Partners from Finland, Sweden, Denmark, Norway and Lithuania



























































Kockum Sonics

How? ECOPRODIGI's Cases

Case 1 Digital Performance Monitoring



Case 2 Optimising Cargo Stowage





Case 3 Optimising Shipyard Processes







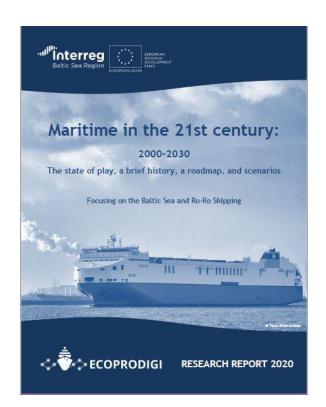


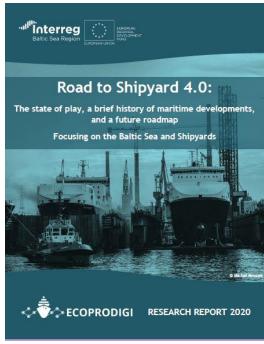


How? **ECOPRODIGI** Capacity Building

WORK PACKAGE 4: Improving seedbed for eco-efficient digital solutions

- Development of a digitalisation and eco-efficiency implementation roadmap
- Creating and piloting a training programme for end-users based on best practices regarding eco-efficiency through digitalisation









How? **ECOPRODIGI** Capacity Building

WORK PACKAGE 5: Strengthening public support for maritime industry digitalisation

- Arrange policy workshops and seminars to discuss the outlook of digitalisation
- Produce policy briefings and recommendations to support digitalisation and eco-efficiency in the Baltic Sea Region







Let's begin the

Journey

Project Manager Milla Harju University of Turku milla.e.harju@utu.fi

+358 50 505 8625 Linkedin.com/in/millaeharju



http://ecoprodigi.eu

@ECOPRODIGI_BSR