ECOPRODIGI

Eco-efficiency to Maritime Sector via Digitalisation

EU STRATEGY FOR THE BALTIC SEA REGION

FLAGSHIP

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Milla Harju
Project Manager
University of Turku /
Pan-European Institute

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ECOPRODIGI in a nutshell

- **MAIN OBJECTIVE:**

  To increase **eco-efficiency** in the Baltic Sea region **maritime** industry with the help of **digital tools and solutions.**

- **FOCUS:**

  Increasing 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.

- **Project duration:** October 2017 – December 2020

- **Project budget**: 4,2M€

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ECOPRODIGI: Partners

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

- **Also 6 Associated Partners** from Poland, Russia, Estonia, and Sweden

UNIVERSITY OF TURKU
OSK-ShipTech A/S
CHALMERS UNIVERSITY OF TECHNOLOGY
Vessel Performance Solutions
DFDS
KLAIPĖDOS MOKSLO IR TECHNOLOGIŲ PARKAS
J. LAURITZEN
MEYER TURKU SHIPYARD 1737
MACHINE TECHNOLOGY CENTER TURKU LTD
C4.fi
AALBORG UNIVERSITY DENMARK
Færge Sekretariatet
sininen polku
USN University of South-Eastern Norway
UNIVERSITY OF SOUTHERN DENMARK
WESTERN BALTIC ENGINEERING BLRT GRUPP
Kockum Sonics
CENTRUM BALTICUM
RI SE
Danish Maritime
LOGIMATIC integrating knowledge and technology
SIMAC
ATS
TALLINK
POLISH MARITIME CLUSTER POLSKI KLASTER MORSKI
TAL TECH
СЕЙСМОШЕЛЬФ
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ECOPRODIGI: Cases

Case 1
Digital Performance Monitoring

- How to improve the operational efficiency of vessels?

Case 2
Optimising Cargo Stowage

- How to improve the efficiency of terminal operations & the overall utilisation of vessels?

Case 3
Optimising Shipyard Processes

- How to improve process management & supply chain management at shipyards?

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Results and lessons learned so far: Benefits from digitalisation

1st report on findings was published in early 2020
Find it at: https://ecoprodigi.eu/publications

Digital tools & solutions can help to achieve:

- ✓ Potential reductions of up to 20% in fuel consumption & emissions
- ✓ More efficient processes & better productivity
- ✓ Better informed decision-making
- ✓ Improved utilisation of assets & resources
- ✓ Reduced overall expenses

Results and lessons learned so far: Eco-Efficiency

MISSING:

- **Incentives** for investments in new technologies
- International **standards**
- Digital **capabilities**
- Focus on **overall efficiency**
- **Transparency** & clear streams of **information**
- Efficient **planning** & **coordination** between ports, vessels and operators

NEEDED:

- Improved **access to accurate & timely data**
- Better **utilisation of data**
- **Standardisation**
- **Commitment & investment** in digital solutions and new technologies
- **Research & development**

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Coming up next:

- Digitalisation roadmaps for increasing eco-efficiency in the Baltic Sea region maritime sector
- Pilotings of digital tools with maritime industry end users + a 2nd synthesis report on findings
- Training programmes for shipyards, shipping companies & ports
- Policy briefings & recommendations to increase eco-efficiency and digitalisation in the Baltic Sea region

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Issues? Well..

- ✓ Events: Cancelled
- ✓ Meetings: Cancelled
- ✓ Deadlines: Prolonged
- ✓ Project outputs: Still heading towar
- ✓ Partnership: Committed
- ✓ General motivation: Superb

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Support:

- Events: publicity, co-operation, inclusion
- Keep us informed on the upcoming updates on EUSBER
- Keep our spirits high ☺

Thank you! Any questions?

Milla Harju

Milla.e.harju@utu.fi

+358 50 505 8625

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