



EUROPEAN
REGIONAL
DEVELOPMENT
FUND



Clean Shipping Project Platform

CSHIPP

Key facts

Priority area: Sustainable Transport

Partners: 14 Project Partners from 7 countries (Finland, Estonia, Sweden, Norway, Poland, Germany, Denmark, Russia)

13 Associated Partners

Duration: 10/2018 - 10/2020 (24 months)

Total budget: 1 082 681 €

CSHIPP Objectives

- ✓ Synthesising the results of clean shipping projects to enable easier capitalisation
- ✓ Increasing the uptake of scientific information into policymaking
- ✓ Enhancing co-operation of businesses and the maritime industry with research and academia

Photo: Tapio Karvonen



Project partners

Lead Partner: University of Turku, Centre for Maritime Studies of Brahea Centre

Communication: Centrum Balticum Foundation

Aalborg University, Denmark

ATI Küste GmbH - Association for Technology and Innovation, Germany

Chalmers University of Technology, Sweden

Finnish Meteorological Institute, Finland

HELCOM, Finland

Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research, Germany

Maritime Development Center, Denmark

Maritime University of Szczecin, Poland

Norwegian Meteorological Institute, Norway

Swedish Environmental Research Institute, Sweden

Tallinn University of Technology, Estonia

The St. Petersburg House Property Owners Association (Saint-Petersburg Cleantech Cluster for urban environment), Russia

University of Turku, the Pan-European Institute, Finland

In addition, 13 associated organisations including EUSBSR Policy Areas 'Ship' and 'Transport'.



Projects involved

| Project | Summary |
|----------------------------|--|
| EnviSuM | Addressing measurement and modelling strategies to assess present and future cost and the health and environmental effects of ship emissions in view of the IMO emission regulations that entered into force in January 2015. |
| BONUS SHEBA | Taking a holistic view on environmental effects of shipping through modeling current and scenario shipping emissions to air and water (including underwater noise), their dispersion and transformation as well as impacts on human health and marine and land ecosystems and the associated socioeconomic impacts. |
| ECOPRODIGI | Increasing eco-efficiency in the Baltic Sea region maritime sector by creating and piloting digital solutions in close cooperation between industry end-users and research organisations. |
| GoLNG | Focusing on increasing adoption of LNG as a clean fuel for ships in the Baltic Sea Region by creating collaboration in the LNG value chain and adding new users to the existing ones, supporting the development of new infrastructure and identifying potential investors and users for future LNG infrastructure. |
| BalticLines | Increasing transnational coherence of shipping routes and energy corridors in Maritime Spatial Plans (MSP) in the BSR as well as improving access to relevant transnational MSP datasets. This prevents cross-border mismatches and secures transnational connectivity as well as efficient use of Baltic Sea space. |
| BSR Electric | Fostering e-mobility solutions in urban areas in the BSR, focusing particularly on e-ferries and implementation in urban transport to reduce carbon dioxide emissions. Additionally, exploring unseized potentials and demonstrates applications of various types of urban e-mobility solutions. |
| Startup Accelerator | Focusing on building consumer cleantech ecosystems, activating its innovation actors and improving their skills to identify ideas and foster teams committed to creating new businesses to reduce the environmental burden of consumption. |

Projects and partnerships

| Project | Partners |
|----------------------------|---|
| EnviSuM | University of Turku (Centre for Maritime Studies, CMS) Finnish Meteorological Institute HELCOM Norwegian Meteorological Institute Chalmers University of Technology Tallinn University of Technology Maritime University of Szczecin MDC (Maritime Development Center) |
| BONUS SHEBA | IVL, Swedish Environmental Research Institute Finnish Meteorological Institute Chalmers University of Technology Tallinn University of Technology Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research |
| ECOPRODIGI | University of Turku (Pan-European Institute, PEI) Aalborg University Centrum Balticum |
| GoLNG | MDC (Maritime Development Center) |
| BalticLines | HELCOM |
| BSR Electric | ATI Küste GmbH - Association for Technology und Innovation |
| Startup Accelerator | The St. Petersburg House Property Owners Association (Saint-Petersburg Cleantech Cluster for urban environment) |

Project platform plan

| WP2: Research-to-Policy Clean Shipping Activities <i>WP leader: IVL</i> | WP 3: Online Dissemination of the Clean Shipping Data <i>WP leader: UTU-CMS, HELCOM</i> | WP 4: Business Potential in New Clean Shipping Technology <i>WP leader: UTU-PEI</i> | WP 5: Platform influence <i>WP leader: Centrum Balticum Foundation</i> |
|---|--|--|--|
| <ul style="list-style-type: none"> - A research-policy network for clean shipping oriented to regional, national and local authorities in the BSR - Synthesising state of the art knowledge on emissions from shipping to air, to water column and of underwater noise, compliance control and enforcement, impacts from shipping on human health, marine and land ecosystems - Extended annual Baltic Sea ship emission reporting, best practice report on complying with IMO regulation, reports on environmental impacts of shipping for different scenarios etc. | <ul style="list-style-type: none"> - Online Dissemination and Educational Tool on Green Shipping in the Baltic Sea – Clean Shipping E-platform (story map) - Website on effects of shipping on air and water quality | <ul style="list-style-type: none"> - State of play and future needs for new clean shipping technology - Enhancing business potential by involving business in EU-funded projects -> Manual on clean shipping financing for private companies, best practices - Overviews, analysis, recommendations, workshops and policy papers for new clean shipping technology | <ul style="list-style-type: none"> - Bringing together clean shipping sectors and actors -> platform events, workshops and meetings Influencing policies and policy makers -> policy workshop & recommendations to GREEN TEAM meeting 2019, results to HELCOM MARITIME working group Influencing opinion of the wider public -> outreach activities and material to the wider public |



Contact

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