

GREEN CRUISE PORT

Sustainable Development of Cruise Port Locations

Project of the BSR Interreg Programme 2014 - 2020

GREEN CRUISE PORT is a project in the Interreg Baltic Sea Region Programme 2014-2020 which was selected by EU Monitoring Committee.

Port authorities from around the Baltic Sea and neighbouring North Sea will work together for three years to make the Baltic Sea Region more innovative, more sustainable and better connected, from perspective of cruise tourism. Port authorities will cooperate with terminal operators, cruise lines, research institutions, cruise associations, NGOs as well as policy stakeholders from local, regional and national level.

Background of the Project

The cruise shipping sector in the Baltic Sea Region (BSR) has grown enormously in the last decades. From 2000 to 2015 cruise ship calls (visits by a cruise ship at a port) increased by an average annual rate of 2,6% per year (from 1.479 in 2000 to 2.174 in 2015), passenger visits increased by an average annual rate of 9,7% per year (from 1,1 mill. in 2000 to 4,3 mill. in 2015) [Cruise Baltic 2016]. Cruise tourism is global and in the BSR continued growth is predicted and is going to remain on a steady growth trend with the available capacity (determined by the active cruise fleet) continuing to grow.

While at the seaside shipping lines and international bodies, e.g. the International Maritime Organization (IMO) are the main actors, on shore national port administrations and terminal operators take over this responsibility. GREEN CRUISE PORT's project mission is to encourage investments and procedures in environmentally friendly cruise port infra and superstructure as well as in better, smart traffic links to the public transport and supply systems.

Project Aim

GREEN CRUISE PORT aims to elaborate a multidimensional strategic approach for a sustainable and qualitative future development for cruise shipping in port areas. Cruise ports are the essential linking elements or passenger transport nodes which are mainly a "national" challenge. They have to be coordinated and further developed on a transnational basis.

The project addresses ports and port authorities, terminal operators, shipping lines as well as politicians. It aims to find smart solutions for greener cruise ports in three work packages.

Three Thematic Work Packages

1) Sustainable Energy Supply & Innovative Solutions for Emission Reduction:

This part will concentrate on the reduction of cruise vessel emissions in harbors and sustainable adaptation of cruise port infrastructure to the requirements of the latest technical developments in cruise shipping sector.

Since the Baltic Sea became Emission Control Area and EU Directive (2005/33/EC) limits sulphur emissions for all ships moored at any inland or sea ports within the European Union, the cruise ship operators basically have four options to comply with these regulations: a completely change to distillate fuels (MDO or MGO), to scrubber systems, to liquefied natural gas (LNG) or to methanol as fuel.

Basically cruise ports have to prepare for all of the aforementioned four options. The most challenging infrastructural issues are the provision of high voltage onshore power supply (OPS) and adequate LNG infrastructure for cruise ships.

2) Smart Cruise Terminal Buildings & Innovative Reception Facilities:

This work package aims to establish sustainable cruise port superstructure, especially terminal buildings and reception facilities in cruise ports.

Sustainable cruise port superstructure has to be adapted to the development of the world cruise fleet, which indicates a massive trend to bigger cruise ships. This causes a need for adjustments in cruise port terminal buildings as well as in reception facilities, e.g. bilge, sludge and scrubber sludge disposal, grey and black water disposal as well as solid waste disposal and toxic waste disposal facilities.

Several cruise ports in the Baltic Sea Region indicate the need for new buildings or reconstructions of cruise terminals and terminal buildings. Especially the integration of "green" features like sustainable building shells, energy saving systems, green vegetation roofs, solar panels, small wind turbines or energy efficient lighting etc. must be taken into consideration. In addition, the terminal/vessel access has to be ensured for elderly and disabled passengers. Another big challenge is the growing crew size on cruise vessels and meeting their social needs.

3) Smart Cruise Port Traffic Solutions and Economic Effects:

This work package will focus on environmentally friendly traffic integration of cruise ports into the transport system of the port locations (incl. near hinterland) and economic impacts on the cruise port cities and the regional hinterland.

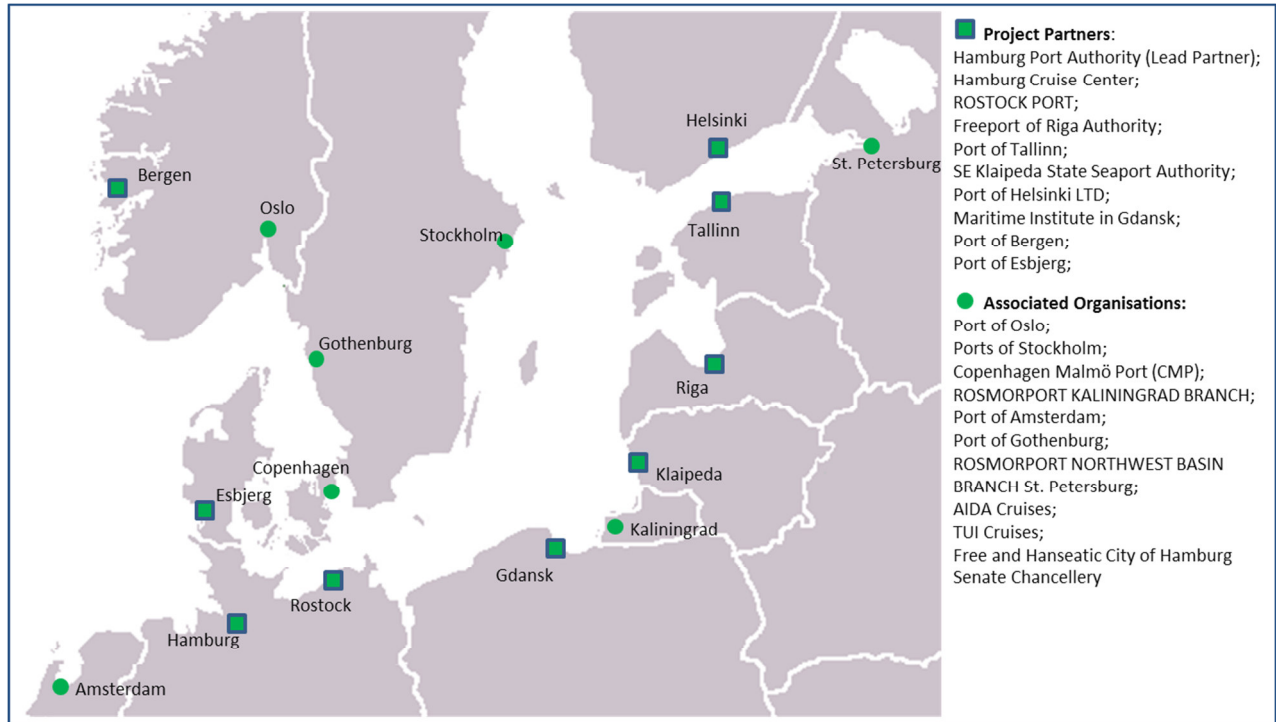
The work package shall tackle the development of smart and sustainable traffic solutions for cruise ports. It will take into account nautical challenges in correspondence to the growing cruise vessel sizes and adequate sustainable transport links. Solutions for sustainable mobility (e.g. bicycles, public transport) will be considered.

Project Outputs and Results

Main outputs and results will include conferences, workshops and Best Practice Tours, policy papers, research, technical and concept studies as well as business cases. GREEN CRUISE PORT aims to elaborate a BSR Green Cruise Port Action Plan 2030, offering strategic orientation and practical guidance for a smart green cruise port development.

Geographical Scope and Partnership of the Project

The GREEN CRUISE PORT project covers a representative geographical BSR scope, embracing all BSR countries, including Norway and Russia (ports, port locations and hinterland structures) as well as cruise lines and political stakeholders.



Total Budget / Duration

2.761 Million Euro / 20th November 2015 – 31st May 2019

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