

Efficient flow of goods and passengers between Finland and Sweden (EfficientFlow)



Programme Priority: P3 Well-connected region

Programme Specific Objective: 3.1. Improved transport flows of people and goods

Sub-programme: Central Baltic

Duration: 01.03.2018 - 31.08.2021

Total funding: 4.093.858 EUR

ERDF funding: 3.070.394 EUR ERDF

Project Summary:

The Baltic Sea Region is in need of efficient transportation solutions. In order to optimize the flow of goods in the transport corridor between Finland and Sweden by sea, road and rail there is a need to improve the quality of maritime transportation between Finland and Sweden. The possibilities for just-in-time arrivals and departures, especially in the maritime part of the corridor, should be improved.

The EfficientFlow project is a joint Swedish - Finnish initiative that contributes at the development of two transport corridors in the Central Baltic area e.g. the corridor to and between the ports of Gävle and Rauma and the ScanMed corridor between Stockholm and Turku. The project will make the transport flow in the corridors more efficient by improved processes and new digital solutions. The project will deliver improved processes, business models and ICT tools for enhanced information exchanged between port actors, between ports, between port and hinterland operators and between ports and ships.

The results of the project will be carefully analysed and evaluated, widely disseminated and can serve as best practices for other corridors and ports in the Central Baltic area and beyond. Improving the information exchange between the two corridor actors will contribute to higher efficiency and timesaving in both corridors. This will result in reduced transport time, higher transport predictability, improved sustainability and better transport quality. The project is expected to produce a 7% time saving.

Map of Partners

Partners

Lead Partner

Sjöfartsverket

Country: SE

www.sjofartsverket.se [1]

Partner budget: 1.541.921 EUR

Amount of ERDF funding: 1.156.441 EUR ERDF

Project Partners

Satakunnan ammattikorkeakoulu

Country: FI

www.samk.fi [2]

Partner budget: 828.164 EUR

Amount of ERDF funding: 621.123 EUR ERDF

Liikennevirasto

Country: FI

www.liikennevirasto.fi [3]

Partner budget: 20.532 EUR

Amount of ERDF funding: 15.399 EUR ERDF

Gävle Hamn AB

Country: SE

www.portofgavle.se [4]

Partner budget: 615.050 EUR

Amount of ERDF funding: 461.288 EUR ERDF

Rauman Satama Oy

Country: FI

www.portofrauma.com [5]

Partner budget: 620.098 EUR

Amount of ERDF funding: 465.073 EUR ERDF

Vessel Traffic Services Finland

Country: FI

<http://tmfg.fi/fi/vts> [6]

Partner budget: 468.093 EUR

Amount of ERDF funding: 351.070 EUR ERDF

Results

Expected results

Achieved results

Project result in category - Improved transport flow of goods

The EfficientFlow project improved the flow of goods and passengers through the two corridors of Gävle-Rauma and Stockholm-Turku in Baltic Sea Region by implementation of Sea Traffic Management concept

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The project had two blocks of activities:

1. Port flow optimisation - development of Port Activity Application

Port Activity App™ is a digital solution for sharing information before and during a ship call to a port. The sharing of information through the app between port actors makes planning more efficient for everyone involved. For example, when it comes to operational planning, the app provides updated current and correct information about when the ship is expected to arrive, when it arrives at the quay, planned departure time and any delays, etc.

- Port Activity app was tested and developed in Gävle and Rauma ports. 14 ports in Finland will start using the app after the project end.
- Port Activity app is an open-source solution and freely available for all interested organisations.
- Links to the apps and related documentation can be accessed [HERE](#) [7]

- Video about [Port Activity app](#) [8]
- Rauma Activity App [training video](#) [9]
- Gävle Activity App [training video](#) [10]

2. Ship flow optimisation

The project introduced the Flow optimization in the regular ferry traffic to improve situational awareness, facilitate higher predictability and efficiency as well as time saving and safety in the corridor. ECDISes, Portable Pilot Units and VTS systems were developed to be able to exchange routes with each other in order to very accurately calculate where in the fairway, canal or other confined water ships will be meeting each other.

The relevant information on how the “system” works can be found in the documents, links and movie clips below on the project [website](#) [11].

The short summary about the ship flow optimisation activities is presented in the project [video](#) [12].

Project website: www.efficientflow.eu [13]

Here you can find the recording of the [final project event](#) [14].

Project page in database

[Efficient flow of goods and passengers between Finland and Sweden](#) [15]

At a glance

- The EfficientFlow project improved the flow of goods and passengers through the two corridors of Gävle-Rauma and Stockholm-Turku in Baltic Sea Region by implementation of Sea Traffic Management concept.

Tags

[Multimodal transport](#) [16]

[Logistics and freight transport](#) [17]

[Improving transport connections](#) [18]

Project Visibility

Social media links

[Project website](#) [19]

[Lead Partner website](#) [20]

[Lead Partner Twitter](#) [21]

[Lead Partner Facebook](#) [22]

[Link to project website where result is displayed](#) [11]

Other media visibility

[Digitalization in Just-In-Time Approach as a Sustainable Solution for Maritime Logistics in the Baltic Sea Region \(2021\)](#) [23]

[Raumalla käytössä oleva Suomessa ainutlaatuinen satamasovellus hyödyttää jatkossa koko Suomen merenkulkua \(2020\)](#) [24]

Project videos

<https://www.youtube.com/watch?v=5bwByBYeDXQ&feature=youtu.be>

<https://www.youtube.com/watch?v=PsYoWQY1IXM>

Source URL: <https://database.centralbaltic.eu/printview/96>

Links

[1] <http://www.sjofartsverket.se> [2] <http://www.samk.fi> [3] <http://www.liikennevirasto.fi> [4] <http://www.portofgavle.se> [5] <http://www.portofrauma.com> [6] <http://tmfg.fi/fi/vts> [7] <https://www.seatraficmanagement.info/projects/efficientflow/results-port-flow-optimisation/> [8] <https://www.seatraficmanagement.info/videos/efficientflow-port-activity-app-launch-event-rauma/> [9] <https://www.youtube.com/watch?v=WUMhqJw1Fi8> <https://www.seatraficmanagement.info/videos/rauma-port-activity-app-training/> [10] <https://www.seatraficmanagement.info/videos/gavle-port-activity-app-training> [11] <https://www.seatraficmanagement.info/projects/efficientflow/results-ship-flow-optimisation/> [12] <https://www.youtube.com/watch?v=PsYoWQY1IXM> [13] <http://www.efficientflow.eu> [14] <https://www.youtube.com/watch?v=SlAqOvJ6yK0> [15] <https://database.centralbaltic.eu/project/96> [16] <https://database.centralbaltic.eu/tags/multimodal-transport> [17] <https://database.centralbaltic.eu/tags/logistics-and-freight-transport> [18] <https://database.centralbaltic.eu/tags/improving-transport-connections> [19] <https://www.seatraficmanagement.info/projects/efficientflow/> [20] <http://www.sjofartsverket.se/en/About-us/Research-and-Innovation--/EfficientFlow--making-stm-happen/> [21] <https://twitter.com/hashtag/efficientflow> [22] <https://sv-se.facebook.com/sjofartsverket/> [23] <https://www.mdpi.com/2071-1050/13/3/1173> [24] <https://ls24.fi/uutiset/raumalla-kaytossa-oleva-suomessa-ainutlaatuinen-satamasovellus-hyodyttaa-jatkossa-koko-suomen-merenkulkua>