Best Available Technologies of Sewage Collecting for Boat Tourism (BATSECO-BOAT)

Programme Priority: P3 Well-connected region

Programme Specific Objective: 3.2. Improved services of existing small ports to improve local and regional mobility and contribute to tourism development

Sub-programme: Archipelago and Islands

Duration: 01.12.2017 - 31.05.2021

Total funding: 1.479.085 EUR

ERDF funding: 1.140.184 EUR ERDF

Project Summary:

Small boat ports located in the Baltic Sea are fascinating for both national and international visitors; many of them, explore the area using small leisure boats. As members of HELCOM, the countries around the Baltic Sea aim to reduce the release of latrine sewage from boats into the sea. Moreover, the possibility of emptying latrine sewage from leisure boats can be considered a fundamental service for boaters, which, when neglected, has a crucial impact on boaters' comfort. However, this service suffers from lack of easily accessible and functional sewage pump-out stations, non-harmonized sewage collecting equipment and lack of easily accessible information regarding location and functionality of pump-out stations.

To provide boating tourists with better sewage collecting services, BATSECO-BOAT aims to improve the capacity and service level of latrine sewage collection in small boat ports in Estonia, Finland and Sweden. Within the project framework,a strategy containing cross-regional guidelines to inform decision-making on this issue will be developed. This strategy will be based on information about i) institutional landscape and legislation, ii) traffic flow of leisure boats, iii) operation costs, iv) best available technology for waste handling, v) analysis of latrine sewage, and vi) estimation of sewage flows.

Digital tools and guidelines will be developed, informing local investment and the three investment packages, leading to improved services in altogether twenty Central Baltic ports. An important project output will be a document providing guidelines and lessons learnt, which can be used to replicate investments in other regions after the project completion. The project will also conduct a scoping study to create a digital map, showing the network of functional sewage collection services. This map will facilitate cross-border mobility across the Central Baltic region.

Map of Partners

Partners

Lead Partner

Turun yliopisto

Country: FI

www.utu.fi [1]

Partner budget: 217.318 EUR

Amount of ERDF funding: 162.988 EUR ERDF

Project Partners

Pidä Saaristo Siistinä ry

Country: FI

www.pidasaaristosiistina.fi [2]

Partner budget: 488.114 EUR

Amount of ERDF funding: 366.086 EUR ERDF

Campus Roslagen

Country: SE

www.campusroslagen.se [3]

Partner budget: 79.833 EUR

Amount of ERDF funding: 59.875 EUR ERDF

Ecoloop AB

Country: SE

www.ecoloop.se [4]

Partner budget: 213.804 EUR

Amount of ERDF funding: 160.353 EUR ERDF

Norrtälje Kommun

Country: SE

www.norrtalje.se [5]

Partner budget: 171.317 EUR

Amount of ERDF funding: 128.488 EUR ERDF

Hoia Eesti Merd MTÜ

Country: EE

www.hem.ee [6]

Partner budget: 239.307 EUR

Amount of ERDF funding: 203.411 EUR ERDF

Viimsi Vallavalitsus

Country: EE

www.viimsivv.ee [7]

Partner budget: 69.392 EUR

Amount of ERDF funding: 58.983 EUR ERDF

Associated Partners

Transportstyrelsen

Country: SE

Results

Expected results

Achieved results

Project result in category - Improved small port

BATSECO-BOAT improved sewage collecting services in 20 locations

The BATSECO-BOAT project achievements are based on making investments in altogether 11 new sewage pump-out stations, which of five are located in Finland, four in Estonia and two in Sweden. In Finland the project supported also the renovation of altogether nine old floating pump-out stations, so that those could be used for another 10 years.

At the end of project duration, the BATSECO-BOAT project has improved sewage collecting services in altogether 20 locations.

The project has produced information to support the decision making when investing in sewage collecting technologies. Reports produced by partners cover topics from recent technological assortment to chemical analyses of the sewage collected from leisure boats. In addition, the starting level of sewage collecting network before investments and analysing the legislative framework and mapping the boat traffic in Norrtälje archipelago has been covered, the latter piloting completely new way of collecting and elaborating data from AIS Class-B transmissions from leisure boats. The service costs of sewage collecting networks in Finland, Sweden and Estonia were also handled in a report.

- Market investigation: Catalogue of pump-out stations in Sweden, Finland and Estonia [8]
- Practical guide: Investing in sewage pump-out stations at leisure craft harbours [9]
- Actors and legislation: Overview of actors and legislation relevant to sewage collection stations in Central Baltic Region [10]
- Localization of sewage collection stations in Norrtälje archipelago [11]
- Cost analysis on sewage collecting network [12]
- Technology assessment for sewage collecting systems for leisure boats [13]

Project website: www.batseco-boat.eu [14]

New pump-out station locations:
Finland: Aspö, Björkö, Högsåra Kejsarhamnen, Pähkinäinen and Seili;
Sweden: Ellan and Stora Högskär;
Estonia: Eisma, Hara, Kelnase and Leppneeme

Renovated pump-out station locations: Hakkenpää, Nötö, Vänö, Borstö, Örö, Kirjainen and Velkuanmaa. Two renovated stations from Högråra (Kejsarhamnen) and Pähkinäinen will be relocated for boating season 2022. New proposed locations are Hämmarö strait in Rymättylä/Naantali and Vikom in Nauvo/Parainen.

Project page in database
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At a glance

- The project achievements are based on making investments in altogether 11 new sewage pump-out stations.
- The project has improved sewage collecting services in altogether 20 locations.

Files

Practical Guide [16]

Actors legislation [17]

Localization memo [18]

Cost analysis [19]

Catalogue [20]

Technology assessment [21]

Tags

Coastal management and maritime issues [22]

New products and services [23]

Tourism [24]

Project Visibility

Social media links

Webpage [25]

Other media visibility

Uusia imutyhjennyslaitteita Saaristomerelle EU-rahoituksella (2021) [26]

Nya EU-finansierade sugtömningsanläggningar till Skärgårdshavet (2021) [27]

Pidä Saaristo Siistinä ry asentaa taas uusia imutyhjennyslaitteita saaristoon (2021) [28]

Seilin ja Aspön uudet kelluvat imutyhjennys laitteet paikoillaan (2020) [29]

Seilin ja Aspön veneilijöiden palvelut kasvavat – satamiin tulee imutyhjennyslaitteet (2020) [30]

Käymäläjätteen imutyhjennysverkosto vaatii kehittämistä (2019) [31]

Sugtömningsnätverket längs Östersjökusten är fortfarande ett problem (2020) [32]

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Links
[1] http://www.utu.fi [2] http://www.pidasaaristosiistina.fi [3] http://www.campusroslagen.se [4] http://www.ecoloop.se [5] http://www.norrtalje.se [6] http://www.hem.ee [7] http://www.viimsivv.ee [8] https://www.batseco-boat.eu/_files/ugd/bb2781_af3d917f0a1f497780f7493bda8d4854.pdf [9] https://www.batseco-boat.eu/_files/ugd/bb2781_2c8302eb700941a8bad2222f840dca19.pdf [10] https://www.batseco-boat.eu/_files/ugd/bb2781_9efd289c1bb843e8908e6ba6ede5bfe1.pdf [11] https://www.batseco-boat.eu/_files/ugd/bb2781_ed68e89b4b8749f2a9bb56c74cc2f9c1.pdf [12] https://www.batseco-boat.eu/_files/ugd/bb2781_e03feee1234b4772907e31de5105a9e6.pdf [13] https://www.batseco-boat.eu/_files/ugd/bb2781_a4122282c0e4461caeacb1a029f76565.pdf [14] http://www.batseco-boat.eu [15] https://database.centralbaltic.eu/project/87 [16] https://database.centralbaltic.eu/sites/default/files/Batseco%20Guidelines_KEST_final.pdf [17] https://database.centralbaltic.eu/sites/default/files/BATSECO_WP_2.1_Actors_legislation.pdf [18] https://database.centralbaltic.eu/sites/default/files/BATSECO_WP_2.2_Localization_memo.pdf [19] https://database.centralbaltic.eu/sites/default/files/BATSECO-BOAT_Cost%20analysis_final.pdf [20] https://database.centralbaltic.eu/sites/default/files/Catalogue.pdf [21] https://database.centralbaltic.eu/sites/default/files/Technology%20assessment.pdf [22] https://database.centralbaltic.eu/tags/coastal-management-and-maritime-issues [23] https://database.centralbaltic.eu/tags/new-products-and-services [24] https://database.centralbaltic.eu/tags/tourism [25] https://batseco-boat.eu/ [26] https://www.aamuset.fi/artikkeli/5234077/Uusia+imutyhjennyslaitteita+Saaristomerelle+EUrahoituksella [27] https://www.epressi.com/tiedotteet/ymparisto-ja-luonto/nya-eu-finansierade-sugtomningsanlaggningar-till-skargardshavet.html [28] https://yle.fi/uutiset/3-11804619 [29] http://www.totalvene.fi/lue/uutinen/seilin-ja-aspoen-uudet-kelluvat-imutyhjennys-laitteet-paikoillaan [30] https://yle.fi/uutiset/3-11389969 [31] https://www.aamuset.fi/uutiset/4675422/Kaymalajatteen+imutyhjennysverkosto+vaatii+kehittamista [32] https://www.hbl.fi/artikel/sugtomningsnatverket-langs-ostersjokusten-ar-fortfarande-ett-problem/