

Innovative Sustainable Remediation (INSURE)



Programme Priority: P2 Sustainable use of common resources

Programme Specific Objective: 2.4. Reduced nutrients, hazardous substances and toxins inflow into the Baltic Sea

Sub-programme: Central Baltic

Duration: 01.09.2015 - 31.08.2019

Total funding: 2.463.422 EUR

ERDF funding: 1.906.751 EUR ERDF

Project Summary:

The project INSURE aims at decreasing the impact of hazardous substances to the environment from contaminated sites. The idea is to decrease leakage from contaminated sites to ground and surface water to reduce the inflow of hazardous substances and toxins into the Baltic Sea.

In practice the project develops and tests cost effective and sustainable methods to contribute to more sustainable remediation. Additionally, the project focuses on finding more efficient management methods and new solutions for prioritisation, visualisation, registration and information of contaminated sites.

As a result of the project best practice for remediation and sustainable solutions is worked out for contaminants. The project contributes to the result through sustainable remediation, management methods and innovative technical tools for visualisation. Five contaminated areas in Sweden, Finland and Latvia are used as pilot areas to test different on-site remediation techniques, demonstrate their sustainability and cost effectiveness compared to present excavation of contaminated sites. Using innovative tools for visualisation of contaminated sites results in a better overview and knowledge of contaminated sites. All in all, the project creates solutions for reducing the transport of hazardous substances to the Baltic Sea.

Map of Partners



Partners

Lead Partner

Länsstyrelsen Östergötland

Country: SE

<http://www.lansstyrelsen.se/ostergotland/>

Partner budget: 924.468 EUR

Amount of ERDF funding: 693.351 EUR ERDF

Project Partners

Latvijas Vides, ģeoloģijas un meteoroloģijas centrs

Country: LV

www.lvgmc.lv

Partner budget: 232.260 EUR

Amount of ERDF funding: 197.421 EUR ERDF

Motala kommun

Country: SE

<http://www.motala.se/kommun>

Partner budget: 405.944 EUR

Amount of ERDF funding: 304.458 EUR ERDF

Populus group Oy

Country: FI

Under construction

Partner budget: 251.161 EUR

Amount of ERDF funding: 188.370 EUR ERDF

Vidzemes plānošanas reģions

Country: LV

www.vidzeme.lv

Partner budget: 229.590 EUR

Amount of ERDF funding: 195.151 EUR ERDF

Helsingin yliopisto

Country: FI

<http://www.helsinki.fi/ymparistotieteet/english/>

Partner budget: 290.000 EUR

Amount of ERDF funding: 217.500 EUR ERDF

Valmieras pilsētas pašvaldība

Country: LV

www.valmiera.lv

Partner budget: 130.000 EUR

Amount of ERDF funding: 110.500 EUR ERDF

Results

Expected results

The overall aim of the project is to improve and increase the rate of remediation of contaminated sites and thereby decrease the hazardous substances and toxins to the Baltic Sea. The project will contribute to the result indicator through three parts- sustainable remediation, management methods and innovative technical tools for visualisation. Sustainable remediation: During the project innovative in situ and on site methods and technologies will be developed and implemented within the Central Baltic region. The project aims to come up with best practice for remediation and find out suitable and sustainable solutions for different types of contaminants at different type of sites. Five contaminated areas in Sweden, Finland and Latvia will be used as pilot areas to test different in situ and on-site remediation techniques and demonstrate their sustainability and cost effectiveness compared to present excavation of contaminated sites. Testing of different sustainable remediation methods for different contaminated areas will be done and partners will find out best solutions for different contaminated areas. Management methods: New innovative methods and methodologies will be created to improve supervision and enforcement as well as spatial planning of contaminated sites. This will result in an efficient handling of contaminated sites and thereby an increased number of remediated contaminated sites. Innovative technical tools for visualisation: Innovative tools for visualisation of contaminated sites such as GIS, databases, models and mobile applications will result in a better overview and knowledge of contaminated sites and will therefore be very useful tools for prioritisation, communication as well as information about contaminated sites. All three parts of the project will contribute to the result indicator by creating solutions for improving the situation and reduce the transport of hazardous substances to the Baltic Sea.

Achieved results

Project Visibility

Social media links

[Webpage](#)

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