

PROJECT OBJECTIVES

The project aim is to increase sediment reuse for erosion and flood protection. We will provide authorities, port and waterway managers and erosion experts.

Project SURICATES 2017 - 2021

Total budget ERDF: €3.4 million

Total project budget: €5.67 million

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SURICATES PARTNERS



Lead Partner: Université de Lille, France

Project partners:

- Cork Institute of Technology (CIT), Ireland
- Deltares, Netherlands
- University of Strathclyde, United Kingdom
- Port of Rotterdam, Netherlands
- University College Cork (UCC), Ireland
- IXSANE, France
- Bureau de Recherches Géologiques et Minières (BRGM), France
- Scottish Canals, United Kingdom
- Association pour la Recherche et le Développement des Méthodes et Processus Industriels (ARMINES), France
- IMT Lille-Douai, France
- TEAM2, France

www.nweurope.eu/suricates/

Interreg 
North-West Europe
SURICATES
European Regional Development Fund



**SURICATES : Sediment
Uses as Resources In
Circular And
Territorial Economies**

Climate change, erosion and flood risk increase require greater mitigation measures, consuming high volumes of natural resources.

However, **dredged sediments are a problem** for EU ports/waterways providing navigation access with 200 million cu.m per year (80 million tons dry weight) generated.

Increased social and environmental pressures show **the critical need for new solutions** to maintain and develop activity.

Currently, **more than 99%** of EU marine sediment dredged is dumped at sea/managed as waste, with **only 1%** (800 000 t/year) reused.



Pilot implementation with long term impacts on territories is planned within the project for the UK and NL.

Networking activities for dissemination and operational guidance illustrated by **3 new projects for Fr, UK and IE** will be developed and shared with local, national and EU authorities for implementation on project completion.

OUR METHODOLOGY

In SURICATES, **220 000 t** of sediment will be used in **4 new solutions** as raw material to build resilient flood/erosion protection systems.



We target **an increase in the number of sediment reuse projects** in NWE to drive sediment reuse to 1.3 Mt/y after 5 years, and 2.3 Mt/y after 10 years in the EU



We will **provide support** for erosion/flood risk market development with local impact optimisation of sediment reuse



We will **implement tools and methods** for global impact quantification at a regional scale using social, economic, and environmental modelling

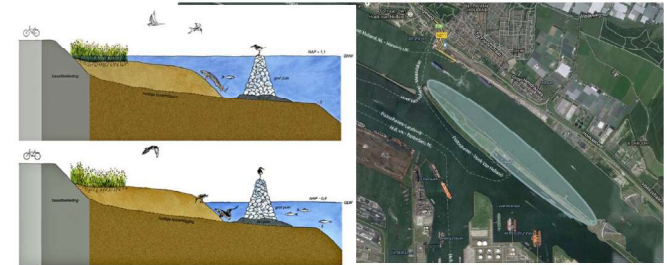


We will **test eco-innovative techniques** in real-life conditions providing long term impact evaluation and guidelines for replication for riverbank strengthening, regeneration of harbour/river banks and beach nourishment

PILOT PROJECTS

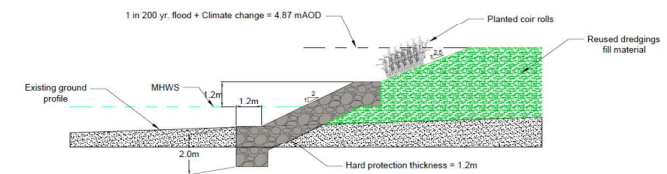
Rotterdam (200 000 t)

- ▶ Application of dredged sediments in estuarine works aimed at improving the channel and the resilience to major flood events
- ▶ Improvement of the resilience of the river banks against major flood events



Scottish Canals (20 000 t)

- ▶ Coastline defence
- ▶ Land restoration and development



EXPECTED OUTCOME

Development of a reuse sector (industries, services and SMEs).

Increase sediment reuse in North West Europe by 1.3 Mt/y after 5 years, and by 2.3 Mt/y after 10 years.