



SERESTO

Habitat 1150* (Coastal lagoon) recovery
by **SE**grass **RESTOR**ation

*A new strategic approach to meet
HD & WFD objectives*

PROJECT LIFE12 NAT/IT/000331 – SeResto

Project start: January 1st, 2014

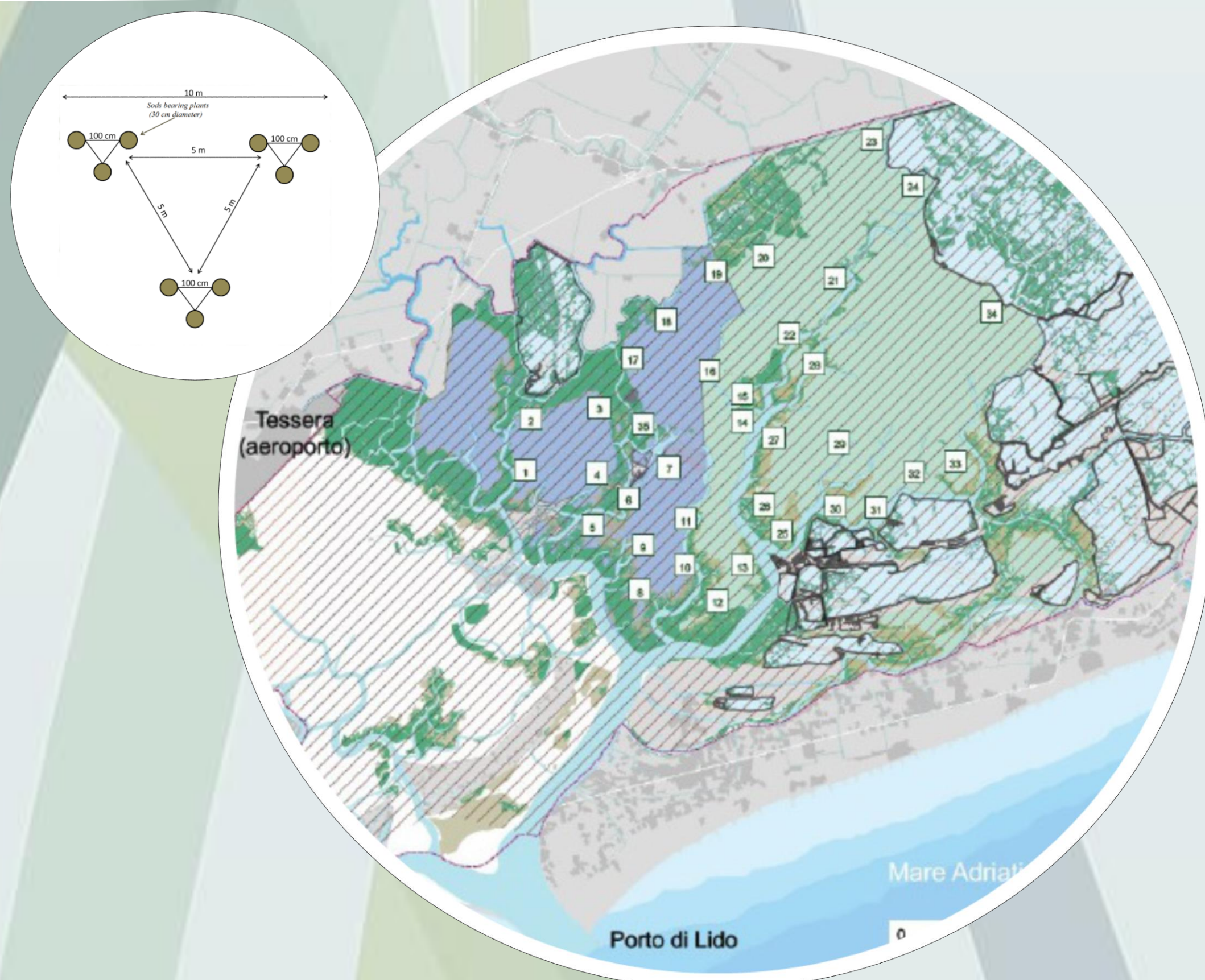
Project end: April 30th, 2018

The project aims to trigger a process of aquatic angiosperm recolonization in SCI IT3250031 “Northern Lagoon of Venice”.

Intervention strategies

The project will transplant *Zostera marina* and *Nanozostera noltii* to small sites distributed throughout the intervention area. The proposed intervention technique involves transplanting a small number of plants, with advantages in terms of lower costs and impact on the donor sites. In support of the natural expansion of seagrass meadows in the surrounding areas, direct intervention is also planned for the entire duration of the project. The aim is to help the seeds take root and to facilitate the growth of new rhizomes produced by the transplanted specimens.

Diagram of transplantation layout at each site (9 plant-bearing sods, each ca. 30 cm in diameter).



Map showing the approximate location of the 35 intervention sites.

The project is supported by fishermen from: Valle Dogado-Montiron, Valle Grassabò, Valle Ca' Zane, Valle Ca' da Riva, who will provide the sods.

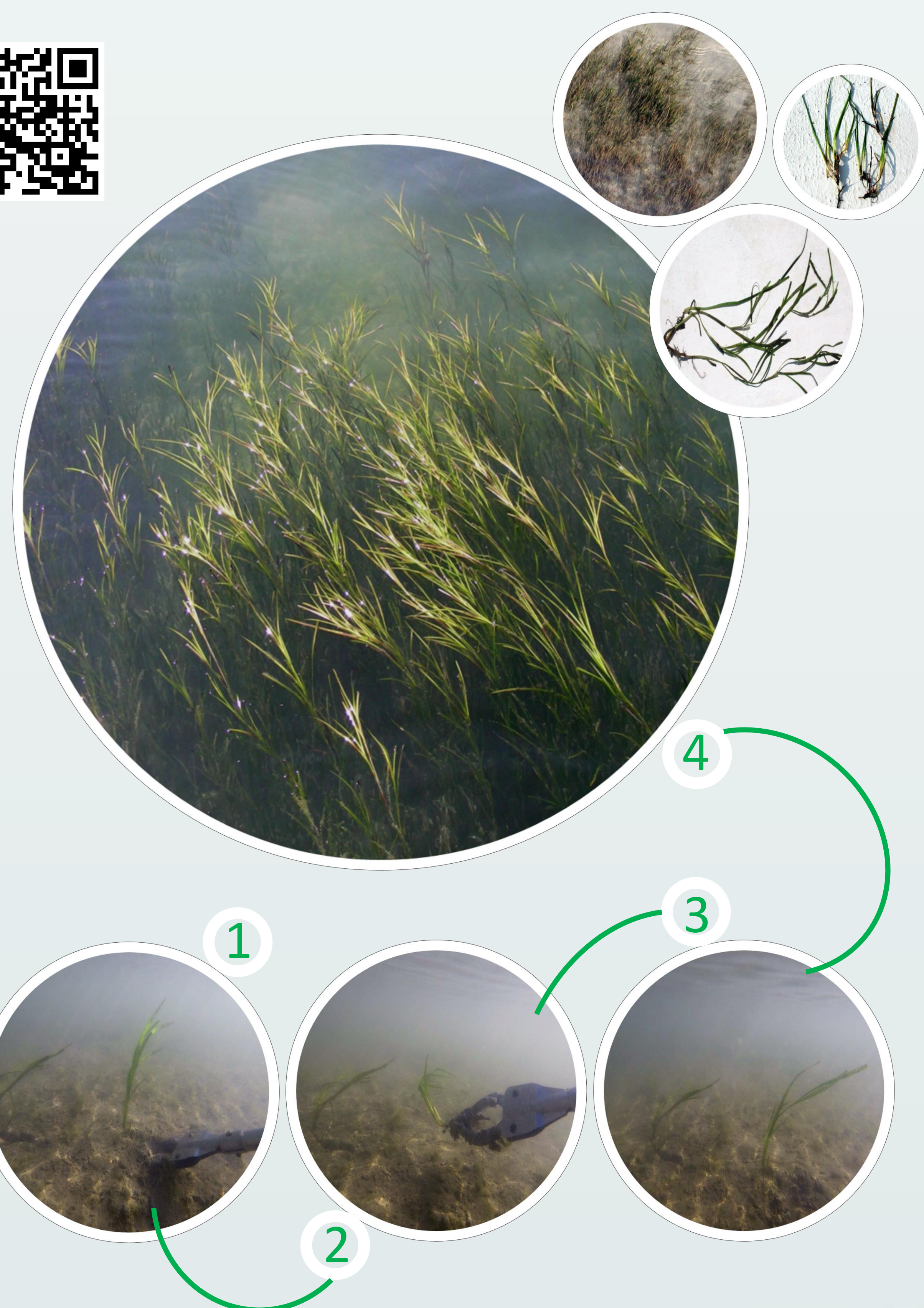


OBJECTIVES

- Consolidating and restoring aquatic habitat 1150* via the transplantation of submerged aquatic angiosperms;
- Contributing to the achievement of good ecological status in transitional water bodies, demonstrating the effectiveness of the proposed measures in terms of meeting the objectives set by the Water Framework Directive (Dir. 2000/60/EC Article 4);
- Quantifying and making good use of the ecosystem services provided by the lagoon environment and the aquatic angiosperms of habitat 1150* in particular.

ECOSYSTEM SERVICES

- Increased **primary production** and **biodiversity**;
- Meadows acting as nurseries, refuges and fish feeding sites;
- Increased **fishing productivity** (commercial species);
 - **CO₂ sequestration**;
 - Filtering and regulation of water quality;
- Morphological functions (protection against erosion).



FUNDINGS (EURO)

Partner	Total	Europe fund 75%	Own contribute 25%
DAIS-UNIVE, LV, ISPRA, OPP	1 563 898	1 172 923	390 975

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Project coordinator

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