

Equipment for eco-sustainable arrangement of beach

Deliverable D.4.1.2.

June 2022

Project Acronym	ECOMAP
Project ID Number	10047543
Project Title	Ecosustainable management of marine and tourist ports
Priority Axis	Environmental and cultural heritage
Specific objective	3.3
Work Package Number	4
Work Package Title	Conversion of touristic and marine ports into ecological poles
Activity Number	4.1.
Activity Title	Development and implementation of environmentally-friendly solutions for marinas and nearby area
Partner in Charge	Municipality of Podstrana
Partner Involved	Municipality of Podstrana
Status	Final
Distribution	Public

The coastal area of the Municipality of Podstrana is exposed to the influence of river Žrnovnica, which brings suspended particles and waste material that settles, and also affects the area of the nearby marina. According to the biological investigations done by Institute of oceanography and fisheries during the ECOMAP project, the adjacent area of the marina Strožanac, the mouth of the Žrnovnica River, has a potentially negative impact on the microbiological quality of the water in the marina. The sources of microbial contamination are the contaminated river water and seagulls that congregate at the mouth of the river, leaving behind large amounts of faecal matter. With the dredging machine – model DRH-85-E22 acquired by Municipality of Podstrana in December 2021 it is possible to remove the contaminated sediment, and after drying and exposing the sediment to the sun, it is expected to be microbiologically decontaminated to a sufficient extent and be suitable for nourishing the beach.

The dredging contributes to ensuring the easier and safer access to boats in port area, given that less suspended material will reach the port.

The photographs of the equipment used for dredging the sediment at Podstrana coastal area during the ECOMAP project:





