

MEDITERRANEAN ALGAE: ULVA SP SEAWEED TO CLEAN HARBOUR WATER

Local Mediterranean algae improve water quality with the new bioremediation technology.

Thanks to the GREENinMED sub_grant Mediterranean Algae has developed market tests and has filtered more than 80.000L from the port of Alicante in an Ulva sp. algae biofilter. The results of the tests have a positive impact on the uptake of heavy metals, especially Copper (Cu), Arsenic (As) and Iron (Fe). In addition, the continuous consumption of nitrogen and phosphorus by the algae has functioned as a preventive measure against eutrophication and improved the water quality of the harbour.

The bioremediation project has attracted interest from other ports and the passenger and cargo shipping industry, which has expressed interest in implementing the bioremediation plant in some of its ports of call.

Mediterranean Algae will continue with the project in a land-based aquaculture facility located in the port of Guardamar with the main objective of applying the technology developed in the GREENinMED project to improve water quality in the fish farming facility and, at the same time, reduce the discharge of nutrient-laden water into the environment.

This application of the technology has a positive impact by decreasing the load that the surrounding ecosystem has to bear due to the aquaculture activity.

More information at <https://www.mediterraneanalgae.com/>

