



Project Information Sheet

Marine debris removal and preventing further litter entry (MarineClean)

Programme area: CIP-EIP-2010.4.16 Environmental management systems
 CIP-EIP-2010.4.14 Waste management and end of life management

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 Klaipeda Science and Technology Park, Lithuania
 Klaipeda University, Air pollution from ships research laboratory, Lithuania
 Drava water management company Ptuj, d.d., Slovenia
 EcoCortec d.o.o., Croatia
 Technology centre PoliEko, Slovenia
 University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Croatia

Website: www.marineclean.eu

Benefits (max. 150 characters incl. space): waste minimization, reuse of waste, material recycling, reduced energy consumption, collecting floating litter, biodegradable packaging, lobbying

Keywords: Preventing marine litter, biodegradable, compostable, edible, packaging
Sector: Water
Type of solution Product

Duration: 01/11/2011 – 31/10/2014
Budget: 1.171.789 € *** (EU contribution: 49.92%)
Contract number: ECO/I01277396/SI2.601543

Summary

Project MarineClean (11/2011 – 10/2014) involves partners from Slovenia, Croatia and Lithuania. The project deals with decreasing of marine litter – one of the major ecological threats – in four areas of action:

1. collection of marine litter with new light equipment produced at Turna;
2. edible and biodegradable packaging produced at EcoCortec that will help to reduce the quantities of in marine litter due to degradability;
3. fishing nets produced at Turna and TC PoliEko that can be easily traced, collected and recycled when lost;
4. networking of products' users and lobbying at national and EU decision-makers to promote and enlarge eco-friendly products usage as well as for intensified surveillance in the return of ship waste and for grants and/or discounts with edible and biodegradable packaging will be formed.

Proposed solutions will have positive effect on marine ecology: decreasing of marine litter in tested areas, higher number of cleaning groups/areas, higher share of edible/biodegradable packaging on ships, and a few of law changing proposals. All project products will be widely disseminated through web platforms and demonstration sessions in each participating country.



Expected and/or achieved results

Currently the consortium already markets several different biodegradable and/or compostable plastic film materials produced at project partner EcoCortec (EcoFilm, EcoOcean and EcoWorks). One material in particular, EcoOcean, is biodegradable also in marine conditions and is certified according to ASTM D7081-05. This material is being widely promoted during the MarineClean project for packing goods that are used on cruisers, boats and in the coastal regions. Although it is not intended to come into contact with food, EcoOcean material can be used for packing lots of other things. EcoOcean is being developed also as injection moulding grade as until this project the material existed only as extrusion grade. EcoCortec's material suitable for food contact are EcoFilm and EcoWorks that are also promoted via MarineClean project. It is expected that till the end of the project around 30 tons of packaging material will be sold all together.

Marine litter equipment is in performance testing at two project partners. This equipment is soon to be presented to the potential users. It is expected that until the project end, this equipment will be tested at several potential customers, mainly port and marina's operators as well as resort owners and hotels.

The consortium is currently very active also on networking and lobbying on national and international level. All future events are listed on the MarineClean's web site. The project is being widely disseminated, besides other activities the project and its products were until now presented at four international trade fairs in Slovenia, Germany and Italy.

The information sheet will be published in the [Eco-Innovation website](#). The EACI reserves the right to edit the information sheet for content and length