

# CleanAtlantic

## Tackling Marine Litter in the Atlantic Area

DELIVERABLE - Booklet on “FISHING FOR LITTER”: A selection  
of resources based on the CleanAtlantic Knowledge Tool

WP 7: Tackling Marine Litter



**Interreg**  
Atlantic Area  
European Regional Development Fund



WP	7 – TACKLING MARINE LITTER
ACTION	7.1
LAST UPDATED	30/09/21
VERSION	2
AUTHORS	CETMAR
PARTICIPANTS	

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# INTRODUCTION

Marine litter is a severe pollution threat with environmental, human health, safety and socioeconomic impacts and demanding regional collaboration. CleanAtlantic addresses this challenge and aims to protect biodiversity and ecosystem services by improving the regional cooperation and by reinforcing capabilities to prevent, monitor and remove marine litter in the Atlantic Area. Eventually, the project will contribute to raise awareness and change attitudes among stakeholders and to improve marine litter managing systems. Project outputs will be transferred to competent authorities and key stakeholders to improve management and facilitate MSFD implementation.

Aligned with these objectives, CleanAtlantic identified and compiled existing knowledge on marine litter generated by EU and national funded public research, as well as by national and European organisations dealing with this topic, and make them easily available through a user friendly publicly available database: the CleanAtlantic knowledge tool. This online database allows users to search for resources by marine litter themes, type of resources, organisation or project generating resource, and funding source.

Through a combination of simple and advanced queries, users can have direct access to resources or when appropriate, to the author's website. It currently stores information on 175 research projects and 115 organisations and contains 888 resources with relevance for marine litter such as Fishing for litter, Modelling, Monitoring, Policy, governance and Management, Socioeconomic analysis and Impact, Training and Education, Awareness, Circular Economy, Microplastics, among others. The compiled resources include thematic reports, databases, scientific publications, best practices, case studies, policy briefs, equipment/technologies, software and modelling tools, books, protocols and guidelines, databases, services and tools, dissemination materials, multimedia and training activities and materials.

With the help of the [CleanAtlantic Knowledge Tool](#), and based on a criterion guided selection of marine litter resources, this booklet provides an example on how the knowledge generated by expert organisations and research projects have addressed marine litter related issues relevant for **"Fishing for litter"** activities.

Fishing for Litter aims to reduce marine litter by involving the fishing industry. Fishing boats are given large bags to collect plastics, ghost gear and other debris that gathers in their nets during normal fishing activities. When implementing a retrieval active scheme, the participation of the fishing sector is required in the collection of marine litter from specific target or hotspot areas.

Being aware that Fishing for litter incorporates a wide range of components (protocols, guides, information, tools, etc.), for the purpose of this booklet we selected those that address these topics under a wide perspective, mainly manuals, guides and tools that can help managers and fishermen in getting an overview of the issues that need to be considered.

Resources dealing with ALDFG and "Waste prevention and management from fishing, aquaculture and ports" are also key elements to be considered in the planning of fishing for litter activities but they have been included in separate booklets to facilitate the usability and consultation.

A total of 31 resources have been selected keeping in mind the considerations mentioned earlier and the following criteria:

- Online availability
- No confidentiality restrictions
- Prioritisation of targeted resources
- Prioritisation of operational materials vs. scientific publications
- Available in English

To facilitate the reading of the booklet, resources have been listed in chronological order (most recent resources appear first) and grouped into 8 different categories according to resource types: reports, protocols/guidelines, best practices, databases, services/tools/models, scientific publications, multimedia and dissemination materials. For each resource, a basic description (title, description, author, source, year of publication, and link to resource) is provided.

These booklets are intended to demonstrate how knowledge can be compiled and clustered to facilitate its uptake. Nevertheless, to get a comprehensive overview of all the resources potentially relevant for the different thematic areas, readers are kindly invited to explore the full content and search functionalities of the CleanAtlantic knowledge tool.

Taking into account that the universe of R&D projects and organisations that are tackling marine litter issues, and particularly dealing with Fishing for Litter issues, is extremely broad, this booklet aims at showing a significant, but not fully comprehensive picture of the knowledge produced at European and national level in the CleanAtlantic partner countries, and facilitates its further exploration to users.



## PROTOCOLS / GUIDELINES

2019



### OSPAR Guidelines on the reduction of marine litter through Sustainability Education Programmes for fishers (OSPAR Agreement 2019-08)

**Description:** OSPAR adopted the Recommendation 2019/01 on the reduction of marine litter through the implementation of sustainability education programmes for fishers at the Commission meeting held in Dordrecht in 2019. The purpose of this Recommendation is to reduce marine litter by promoting the implementation of sustainability education programmes for fishers including addressing the social, economic and ecological impacts of marine litter.

**Publication year:** 2019

**Authors / Organisation:** OSPAR Commission

**Language:** English

**Areas of knowledge:** Fishing for litter, Training and education

2016



### Derelict fishing gear and fishing for litter project guidelines

**Description:** The objective of these guidelines is to provide an initial understanding of the various causes and impacts of marine litter, and of the categories of stakeholders that should be targeted when designing Fishing for Litter (FFL) project and measures to realize. They also collect the issues that fishermen manager or a responsible of fishery port should consider when setting up any kind of derelict fishing gear DFG/FFL project and how they should overcome problems that could occur.

**Publication year:** 2016

**Authors / Project:** DeFishGear

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG



### OSPAR Recommendation 2016/1 on the reduction of marine litter through the implementation of fishing for litter initiatives

**Description:** The purpose of this recommendation is to promote the establishment of new or additional Fishing for Litter initiatives in fishing harbours of Contracting Parties and to facilitate the raising of awareness of the impacts of marine litter within the fishing industry; a change in waste management practices in this sector and the direct removal of marine litter from the marine environment within fishing areas.

**Publication year:** 2016

**Authors / Organisations:** OSPAR

**Language:** English

**Areas of knowledge:** Fishing for litter; Policy, governance and management

2015



### Toolkit: Marine litter retention

**Description:** The Toolkit covers different steps that should be taken to set up a marine litter retention project ("Fishing for litter"). These steps are suggested based on MARELITT's assessment of good practices on existing marine litter projects in the European Union. This Toolkit will support you in the planning and implementation of your project. The Toolkit points out some important technical and organizational issues and provides advice on how to overcome related problems for the implementation of the activities.

**Publication year:** 2015

**Authors / Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter



### Regional Action Plan for Marine Litter (RAP ML)

**Description:** This Regional Action Plan (RAP) for Marine litter was developed by OSPAR in 2014 describing the various types of actions that OSPAR will work on over the coming years to achieve its objective to significantly reduce amounts of marine litter. It also provides a timetable to guide the achievement of these actions. The RAP focuses on both sea-based and land-based sources of litter, as well as considering removal actions and education and outreach. It will be implemented over the period 2014-2021.

**Publication year:** 2015

**Authors / Organisations:** OSPAR

**Language:** English

**Areas of knowledge:** Bioplastics; Circular economy & recycling; Cleaning the marine environment; Fishing for litter; Impacts, reduction & retrieval of ALDFG; Mapping of marine litter; Microplastics; Toxicity and impact of meso and macro marine litter; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources

2014



### The MARLISCO Guide for Reducing Marine Litter: Get Inspired and Become Innovative Through Best Practices

**Description:** This guide was based on a collection of best practices for the reduction of marine litter recorded from across Europe within the project MARLISCO. An analysis of over 70 practices showed that they could be

clustered in 14 categories, each representing initiatives with specific, and often innovative, characteristics. Initiatives focus on seabed litter and 'Other' types of practices included information on nets retrieval, separation and recycling.

**Publication year:** 2014

**Authors:** Orthodoxou L. Demetra, Loizidou I.Xenia and Loizides I. Michael

**Project:** MARLISCO

**Language:** English; Arabic; German; Greek; Italian; Portuguese; Turkish

**Areas of knowledge:** Awareness; Cleaning the marine environment; Fishing for litter; Impacts, reduction & retrieval of ALDFG; Microplastics; Training and education; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources



## BEST PRACTICES



### Description of the MARLISCO Web database of brief and detailed best practices

**Description:** This report describes the process of collecting best practice examples for marine litter from across the four European Seas and the technical aspects of presenting them on the MARLISCO website ([www.marlisco.eu](http://www.marlisco.eu)) to create a web-database. The MARLISCO consortium collected and recorded a total of 72 best practices, 61 brief ones and 11 detailed ones, from across the European Seas, which address the marine litter issue throughout its lifecycle. All the best practices are displayed on the MARLISCO website ([www.marlisco.eu](http://www.marlisco.eu)) where an interactive map gives an overview of the spatial distribution of the best practices within Europe.

**Publication year:** 2013

**Authors:** Demetra L. Orthodoxou, Matthias Mossbauer and Xenia I. Loizidou

**Project:** MARLISCO

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources; Awareness; Cleaning the marine environment; Monitoring of marine litter; Training and education

## REPORTS

2020



### Marine Debris Program Accomplishments Report

**Description:** Review of the progress of the Marine Debris Program during 2020. The Program's vision is a global ocean and its coasts free from the impacts of marine debris through prevention, removal, research, emergency response, and regional coordination. Despite the unique challenges of 2020, the program

remained committed to the NOAA mission through close coordination and flexibility, to continue addressing and raising awareness about the global debris issue. A snapshot of some of NOAA accomplishments across the country include removing thousands of derelict crab traps from Lake Pontchartrain Basin in Louisiana, and working with partners to engage with students in an underserved San Diego, California community to provide experiential learning opportunities, and exploring if freshwater mussels in a Wisconsin estuary could be used as a potential monitoring tool for microplastics in the Great Lakes.

**Publication year:** 2020

**Authors / Organisations:** NOAA Marine Debris Program

**Language:** English

**Areas of knowledge:** Awareness; Cleaning the marine environment; Fishing for litter; Impacts, reduction & retrieval of ALDFG; Microplastics; Monitoring of marine litter; Socioeconomic analysis & impact; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources

2017



## Marine litter from the fishing sector: How is the fisheries sector using EU Funds to fight Marine litter?

**Description:** Marine litter is generating increasing concern at international, regional, macro-regional and national levels. The European Union is playing its part in addressing the problem in particular by providing public support to mitigation actions undertaken by the fishing industry through the former European fisheries Fund 2007 – 2013 (EFF) and the current European Maritime and Fisheries Fund 2014 – 2020 (EMFF). The present report analyses the contributions of these funds to operations of marine litter mitigation undertaken by the fisheries sector itself or for its direct benefit, based on a sample of 14 EU Members States (MS) planning concrete actions under the EMFF: BE, BG, CY, DE, ES, FI, HR, IE, IT, PL, PT, RO, SE and UK.

**Publication year:** 2017

**Authors:** DG MARE (FAME Support Unit)

**Organisations:** DG MARE

**Language:** English

**Areas of knowledge:** Fishing for litter; Policy, governance and management; Waste prevention & management from fishing, aquaculture and ports;



## Fishing for Litter Scotland 2014-2017

**Description:** This KIMO report summarizes the activities carried out by the Fishing for Litter initiative in Scotland (FFL) from 2014-2017. FFL is an environmental project, undertaken by KIMO UK, which is designed to reduce the amount of marine litter in the seas by physically removing it, whilst highlighting the importance of good waste management within the fleet. The report includes information about the project beneficiaries, harbours and vessels involved, number of tonnes collected, promotional and educational materials and work carried out with a social scientist, local authorities and waste companies to investigate and identify any materials suitable for recycling or reuse.

**Publication year:** 2017

**Authors / Organisations:** KIMO

**Language:** English

**Areas of knowledge:** Fishing for litter

2016



### Scientific Paper Portfolio

**Description:** This report is a deliverable of the project CleanSea that aims to present and give access in a consistent manner to their research scientific results, which have been or are about to be published as scientific papers in peer reviewed journals. The document presents the published papers or those still under development, including a summary sheet, the project abstract and a link to the publication when available. Some publications are specifically focus on marine litter removal during different demersal surveys.

**Publication year:** 2016

**Authors:** Carolina Pérez and Pedro Fernández

**Project:** CleanSea

**Language:** English

**Areas of knowledge:** Fishing for litter; Cleaning the marine environment; Mapping of marine litter; Microplastics; Modelling marine litter; Monitoring of marine litter; Policy, governance and management; Socioeconomic analysis & impact; Toxicity and impact of meso and macro marine litter



### Report on the Fishing for Litter pilot action

**Description:** This report presents the results of the pilot action for marine litter collection (Fishing for Litter) by the fishermen of different ports from 5 countries (Italy, Croatia, Montenegro, Greece and Slovenia, between 2014 and 2016. Local fishermen's voluntary participation was surveyed by local partners' experts that used the same form to collect the data in each port, where they had to record the quantities and types of marine litter caught in the nets.

**Publication year:** 2016

**Authors / Project:** DeFishGear

**Language:** English

**Areas of knowledge:** Fishing for litter

2015



### MARELITT Final Report

**Description:** The Final Report provides an overview of the work completed under the MARELITT project (Removal of marine litter from Europe's four regional seas) and delivers a number of key deliverables in the Annexes. As it was set up in the objectives of the project, the report describes three main actions: 1) assessment of best practices for the different types of fishing for litter; 2) Setting up fishing for litter projects, and 3) Develop a toolkit for the use of stakeholders, which provide step-by-step guidance to organisations

that wish to establish their own marine litter removal project.

**Publication year:** 2015

**Authors:** Milieu Ltd

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG



## Fishing for Litter Scotland 2015

**Description:** This brief document summarizes the main actions carried out by Fishing for Litter Scotland during 2015. Main figures, regarding the number of vessels and harbours involved as well as the volume of litter collected are highlighted.

**Publication year:** 2015

**Authors / Organisations:** KIMO

**Language:** English

**Areas of knowledge:** Fishing for litter



## Fishing for Litter South West 2015

**Description:** This report summarizes the Fishing for litter actions implemented in 2015 through the Cornwall & Isles of Scilly Fisheries Local Action Group and the North Devon FLAG. Main figures in terms of number of harbours involved, participation by vessel, tonnage of litter collected and monitored, educational programmes, promotional materials, recycling possibilities, etc. are highlighted.

**Publication year:** 2015

**Authors / Organisations:** KIMO

**Language:** English

**Areas of knowledge:** Fishing for litter

2014



## MARELITT Brussels workshop

**Description:** The MARELITT Brussels workshop took place from 13 to 15 May 2014. The first day concentrated on introducing the host organisations and their respective projects and presenting lessons learned and good practices from past litter retention and fishing gear retrieval projects. The second day was dedicated to the practical aspects of planning a marine litter project and further developing the business cases. On the third day, participants discussed the MARELITT toolkit and the preparation of the regional workshops.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG



## Overview and assessment of implementation reports Fishing for Litter

**Description:** This report is an overview assessment of the implementation reporting on OSPAR Recommendation 2010/19 on the reduction of marine litter through the implementation of Fishing for Litter (FFL) Initiatives in fishing harbours of Contracting Parties (CPs). Its purpose is to facilitate the raising of awareness on marine litter, to change in waste management practices within the fishing industry and to promote the direct removal of marine litter within fishing areas. Furthermore, this report is made to see whether CPs are following the OSPAR guidelines.

**Publication year:** 2014

**Authors:** Marieke van der Kooij (Ministry of Infrastructure and the Environment of the Netherlands)

**Organisations:** OSPAR

**Language:** English

**Areas of knowledge:** Fishing for litter; Policy, governance and management



## Regional Workshop Report - Warsaw, Poland

**Description:** This MARELIT Workshop took place on the 5-7 November 2014. The main objective of this workshop was the set-up of the project, and also to raise awareness and understanding of the issue of derelict fishing gear. The report summarizes a series of DFG activities carried out by the project. A wide group of stakeholders, such as certain authorities, politicians, industries or environmental NGOs, were invited.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG; Waste prevention & management from fishing, aquaculture and ports



## Regional Workshop Report Nesebar, Bulgaria

**Description:** The Union of Bulgarian Black Sea Local Authorities (UBBSLA) organised a project workshop in Nesebar on 26 September 2014, to meet the local stakeholders (the municipal administrations, fishermen, public institutions and organizations, port authorities, business and NGO) and discuss the marine litter problem in Bulgaria. The workshop entitled 'Keeping the sea clean - everyone's responsibility' was launched by the mayor of Nesebar, Mr. Nicolay Dimitrov, and included presentations from the FLAG Pomorie-Nesebar, which presented its past activities, the Executive Agency for Fisheries and Aquaculture and the Marine Administration.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG; Waste prevention & management from fishing, aquaculture and ports; Awareness;



## Regional Workshop Report Croatia

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**Description:** The Center for Marine Research (CMR) organised a workshop in Rovinj on 30 and 31 October 2014 gathering potential project participants and policy makers to discuss the implementation of a MARELITT project in Croatia. The first day was marked by interventions from fishermen, the city of Rovinj and the regional and national governments; the second day was focused on awareness-raising with the NGO Zelena Istra. The workshop resulted in an action plan for the preparatory phase of the project. OLPA presented the Italian MARELITT project and a representative of DEFISHGEAR presented their marine litter removal activities in the Adriatic Sea. Further cooperation between CMR, OLPA and DEFISHGEAR was also discussed.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG; Waste prevention & management from fishing, aquaculture and ports; Awareness



## Regional Workshop Report Clonakilty and Castletownbere, Cork County, Ireland

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**Description:** MARELITT organised a regional workshop in Cork County, on 23-24 October 2014. The workshop gathered representatives of the the national department of environment (MSFD coordinator) and the national fisheries department (BIM), the Cork County Council, the harbour masters of Castletownbere, Dingle and Unionhall, the Marine Institute and a representative of fishermen and aquaculture farmers. The objective of the workshop was the setting up of a MARELITT project in Ireland that aims to develop a framework of local solutions for marine litter removal, based on existing experiences in the UK and elsewhere.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG



## Regional Workshop Report San Remo

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**Description:** The Ligurian Observatory on Fishery and Environment (OLPA) is setting up a Marine Litter Retention project in San Remo (Italy). OLPA organised a workshop in San Remo on 20 and 21 October 2014 to bring local stakeholders together and discuss the implementation of the project. A variety of presentations of Italian/Ligurian research institutes and NGO's gave insight into the problem of marine litter in the Adriatic Sea. The main source of marine litter stems from rivers, entering the sea – especially during floods. According to several stakeholders and given evidence of this major pathway, focus should be directed to waste prevention and the optimisation of inland waste. In the Ligurian region, several projects were launched that study and monitor marine litter, e.g. 'Smile', Mare Pulito and Gionha. The main focus of these projects was on research and awareness raising. A new initiative via MARELITT was, therefore, welcomed – provided that funding can be obtained.

**Publication year:** 2014

**Authors:** Milieu Ltd.

**Project:** MARELITT

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG

2013



## Analysis of the processes and solutions involved in the best practices

**Description:** This report provides an analysis of the main characteristics of the best practice examples recorded within MARLISCO and introduces the reader to them. The analysis offers a useful snapshot into what is happening around Europe to address the issue of marine litter, and can serve as the starting point and a learning platform for anyone wishing to take action against this important environmental, economic and social problem. Best practices recorded by the MARLISCO consortium include initiatives that specifically address fishing for litter activities and collection of floating and seabed wastes.

**Publication year:** 2013

**Authors:** Demetra L. Orthodoxou, Xenia I. Loizidou and Michael I. Loizides

**Project:** MARLISCO

**Language:** English

**Areas of knowledge:** Fishing for litter; Impacts, reduction & retrieval of ALDFG; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources; Cleaning the marine environment; Monitoring of marine litter; Awareness;

2007



## Background Report on Fishing-for-litter Activities in the OSPAR Region 2007

**Description:** This report proposes a number of issues that need to be considered when discussing an expansion or initiation of Fishing for litter initiatives in additional countries or harbours in the OSPAR region. Such issues include, e.g., what is required from the participating countries and local communities, existing legislation on reception facilities, the need for a long-term commitment, coordination responsibilities, equipment on board vessels, options for delivery and reception ashore, and capacity and schemes for waste handling/management/disposal in local communities. Economic issues – fee systems, economic compensation for additional costs incurred – also have to be discussed. Furthermore, the implementation of legislation on mandatory reporting to the authorities of loss of nets at sea throughout the OSPAR area has been suggested.

**Publication year:** 2007

**Authors / Organisations:** OSPAR

**Language:** English / French

**Areas of knowledge:** Fishing for litter; Policy, governance and management



## Background Report on Fishing-for-litter Activities in the OSPAR Region 2006

**Description:** This report proposes, on the basis of some experiences from the Fishing for litter activities implemented, a number of issues that need to be considered when discussing an expansion or initiation of Fishing-for-litter initiatives in additional countries or harbours in the OSPAR region. Such issues include, e.g., what is required from the participating countries and local communities, existing legislation on reception facilities, the need for a long-term commitment, coordination responsibilities, equipment on board vessels, options for delivery and reception ashore, and capacity and schemes for waste handling/management/disposal in local communities.

**Publication year:** 2006

**Authors / Organisations:** OSPAR

**Language:** English / French

**Areas of knowledge:** Fishing for litter; Policy, governance and management

## DATABASES



### Fishing for litter data

**Description:** The OSPAR Fishing for Litter datastream provides access to maps and locations of Harbours in the OSPAR area where participating fishing vessels deposit bags filled with litter recovered in hauls. Annual maps from 2013 to 2018 are available.

**Publication year:** 2013

**Authors / Organisations:** OSPAR

**Language:** English

**Areas of knowledge:** Fishing for litter; Policy, governance and management



## SERVICES/TOOLS/MODELS



### ACT4LITTER Decision-making tool

**Description:** This innovative systems, developed in the framework of ACT4LITTER project, provides essential support to Marine Protected Areas (MPA) managers in order to address marine litter including ALDFG. The

decision making tool was elaborated in close collaboration with MPA managers and marine litter experts, building upon the ACT4LITTER list of some 100 showcases of best practice marine litter measures. The novelty of this tool is that it helps to identify the most effective and feasible marine litter measures for their specific context.

**Publication year:** 2018

**Authors / Project:** ACT4LITTER

**Language:** English

**Areas of knowledge:** Fishing for litter; Mapping of marine litter; Modelling marine litter; Socioeconomic analysis & impact; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources; Awareness

## SCIENTIFIC PUBLICATIONS

2019



### An evaluation of the Fishing For Litter (FFL) scheme in the UK in terms of attitudes, behaviour, barriers and opportunities

**Description:** The present research therefore assessed the association between participation in the scheme and fishers' attitudes and self-reported behaviours, and we asked fishers and stakeholders about the barriers and opportunities regarding the scheme in order to make suggestions for its future. Using quantitative data for general trends across the individuals, the results compare overall ratings of FFL between fishers that were part of FFL, fishers that were not part of FFL, and other stakeholders; then focus on commercial fishers' perceptions of litter and the FFL scheme more specifically; and finally using qualitative data to report more in-depth insights from key stakeholders using interviews.

**Publication year:** 2019

**Authors:** Kayleigh J. Wyles, Sabine Pahl, et al.

**Project:** MARLISCO

**Language:** English

**Areas of Knowledge:** Fishing for litter

2013



### Marine litter within the European Marine Strategy Framework Directive

**Description:** This article is based on the activities of the Marine Strategy Framework Directive (MSFD) task group 10 and the good environmental status (GES) -Technical Subgroup on Marine Litter (TSG-ML). GES is based on 11 qualitative descriptors, of which descriptor 10 (D 10) concerns marine litter. The role of TSG ML is to support Member States through providing scientific and technical background s for the implementation

of the MSFD requirements for marine litter. It summarizes the available information on monitoring approaches and preventing further inputs of litter. Also identifies research needs, priorities and strategies in support of the implementation of D 10 and the development of monitoring protocols for litter in the different marine compartments, and for microplastics and litter in biota. Other priorities include the identification of sources of marine litter and a better understanding of the harm caused by marine litter.

**Authors:** GALGANI Francois, HANKE Georg *et al.*

**Publication year:** 2013

**Organisations:** JRC

**Language:** English

**Areas of knowledge:** Fishing for litter; Cleaning the marine environment; Waste prevention & management from land-based sources; Waste prevention & management from fishing, aquaculture and ports; Mapping of marine litter; Microplastics; Modelling marine litter; Monitoring of marine litter; Socioeconomic analysis & impact; Toxicity and impact of meso and macro marine litter

## MULTIMEDIA

2018



### Fishing for Litter (FfL) Hub

**Description:** This is an open access resource that serves to encourage all Fishing for Litter (FfL) projects and initiatives, to join and share information on marine litter. It is designed to be a "one stop shop" for all things to do with FfL and to bring the FfL community together to share knowledge, experience and best practices: It also makes possible to fishing vessels and skippers from different harbours joint the existing the FfL scheme or to explore options for setting up a new scheme.

**Publication year:** 2018.

**Authors / Organisations:** KIMO

**Language:** English

**Areas of knowledge:** Fishing for litter; Waste prevention & management from fishing, aquaculture and ports: Cleaning the marine environment



### Ecoalf - Upcycling the Oceans

**Description:** Video describing the Upcycling the Oceans project (UTO) carried out by ECOALF that aims at collecting marine litter and turns it into top-quality yarn to produce fabrics and products. As a result of this project ECOALF created a new 100% recycled filament, UTO Yarn, which is made of plastic bottles recovered from the bottom of the Mediterranean Sea.

**Publication year:** 2018

**Authors / Organisations:** ECOALF FOUNDATION

**Language:** English

**Areas of knowledge:** Awareness; Circular economy & recycling; Cleaning the marine environment; Fishing

for litter; Microplastics; Training and education; Waste prevention & management from fishing, aquaculture and ports

## DISSEMINATION MATERIALS

2015



### Coastal & Marine, Special. The CleanSea Project: An interdisciplinary study of marine litter in the EU

**Description:** This special issue magazine of the CleanSea project share a selection of the project outputs on a variety of aspects of the marine litter research going on in the different regional sea areas within the project. This magazine is the result of a joint effort from researchers all over Europe and stakeholder engagement via the CleanSea platform that has been active in the four regional seas.

**Publication year:** 2015

**Authors / Project:** CleanSea

**Language:** English

**Areas of knowledge:** Fishing for litter; Mapping of marine litter; Microplastics; Monitoring of marine litter; socioeconomic analysis & impact; Toxicity and impact of meso and macro marine litter; Waste prevention & management from fishing, aquaculture and ports; Waste prevention & management from land-based sources