



Marine Litter in European Seas - Social Awareness and Co-Responsibility



ISPRA

Istituto Superiore per la Protezione
e la Ricerca Ambientale

“Plastiche: risorsa o rischio ambientale?”

(“Plastics: resource of environmental risk?”)

February, 10, 2014

“Marine Litter: achievable reduction measures – the MARLISCO Project”

(o.t. “Marine Litter: possibili misure di riduzione – il progetto MARLISCO”)

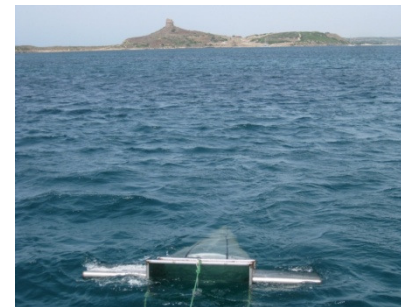
Authors: Luigi Alcaro, Mara Di Berardo



Monitoring and marine research are necessary to better understand the amount, distribution and main effects of marine litter



Analysis of the stomach contents of *Caretta caretta*



Analysis of the distribution of microplastic on the sea surface

But.....

...it is necessary to take measures to reduce marine litter by reducing input from sources and through collection of material already present

Art. 13 MSFD 2008/56/EC

Member States shall, in respect of each marine region or subregion concerned, identify the measures which need to be taken in order to achieve or maintain good environmental status, as determined pursuant to Article 9(1), in their marine waters.

MARLISCO PROJECT

MARLISCO is a 3-year FP7 project funded by the EC aiming at raising public awareness, facilitate dialogue and promote co-responsibility for a sustainable management of marine litter across all European seas.

Goal: raising public awareness, facilitating dialogue and promoting co-responsibility among the different actors towards a joint vision for the sustainable management of marine litter across all European seas.

Activities take place in the four European Regional Seas: North-East Atlantic, Baltic, Mediterranean and Black Sea, by a Consortium with 20 members located in 15 coastal countries.

MARLISCO will achieve its goals by developing innovative mechanisms and tools to effectively engage, inform and empower society, reaching the widest possible audience.

WP1 - Scoping study: source, trends and policy background

The review of the current state of understanding of the distribution, quantities and types of ML in European Seas and MSFD regions provides a summary of national surveys from official monitoring, NGOs or local authorities and R&D activities across regions and countries with relevant links and details.

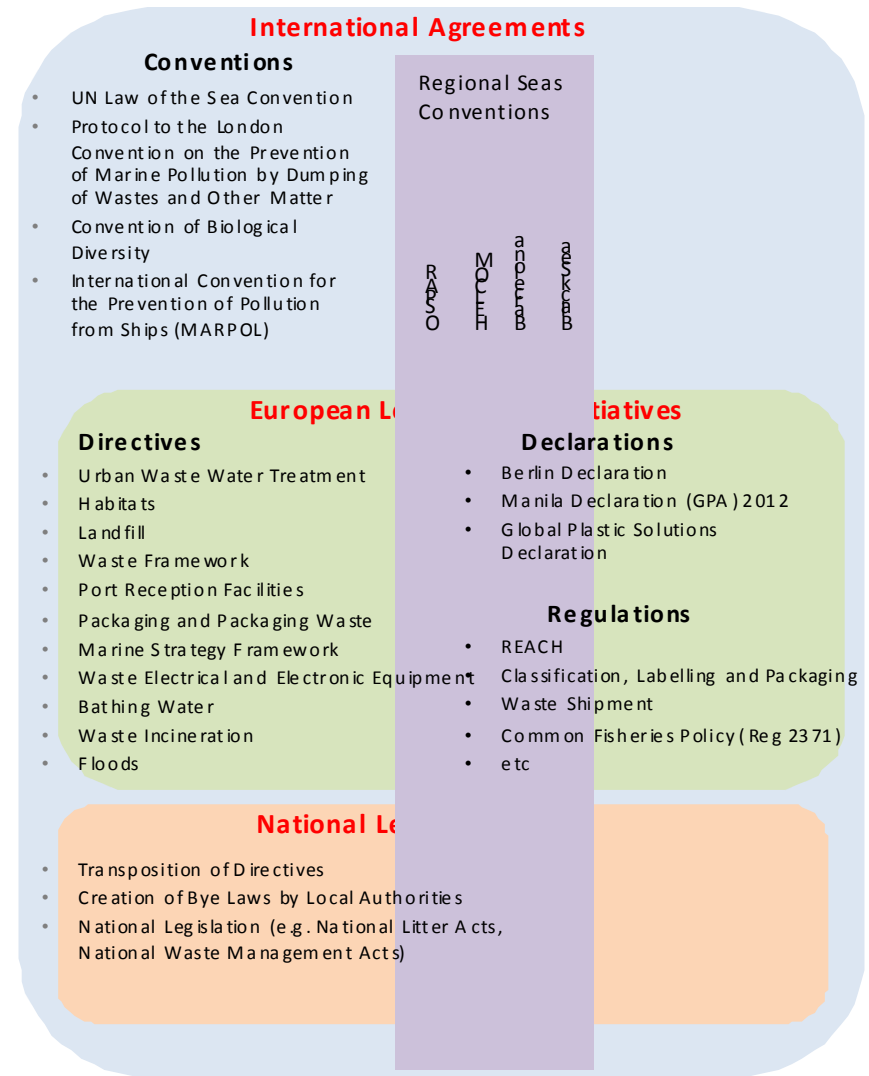
It describes limitations and gaps in the current state of knowledge and highlights some popular misconceptions relating to ML.

A summary on current methods of monitoring and assessment for ML was produced to support litter monitoring by the general public or other non-research trained persons. It provides information on possible approaches, methods and protocols internationally approved to monitor ML.



WP1 - Scoping study: source, trends and policy background

WP 1 activities included the review of existing policies that may be applied to mitigate the impact of ML, identifying potential gaps.



WP1 - Scoping study: source, trends and policy background

Main policy gaps identified

1. Elaboration of a specific National legislation on marine litter;
2. Full application of existing national and international legislation;
3. Enhancement of coordination and collaboration within subjects involved in law implementation as well as stakeholders;
4. Clear distinction of a competent authority that oversees a specific framework involving marine litter;
5. Introduction of the concept of Extended Producer Liability (EPL)
6. Collection of marine litter along the coast and on the seabed (es. *Fishing for Litter*)
7. Application of the "no-special fee" for waste deposited on land by boats
8. Adequate management of landfill practices

WP2 – Processes and solutions: moving towards better practice

WP2 identified 72 best practices for the reduction of ML: it tells how the issue of ML is addressed and allows the identification of key attributes that make a ML minimisation activity a ‘best’ practice.

BPs were identified by a panel of experts through the following set of criteria: impact, applicability/exploitability, sustain, data availability.

The panel gave an analytical score to each best practice: 11 examples of top ranked practices have been selected and described in depth.



WP2 – Processes and solutions: moving towards better practice

WP2 is conducting a baseline evaluation of stakeholder perceptions and attitude towards issues surrounding ML: it provides a “snapshot” of societal awareness and perceptions about marine litter across Europe, and trends across a range of stakeholder groups.

First survey: a total of 3748 respondents.

A subsequent assessment of stakeholder perceptions will be conducted in year3. *Within May2014.*

Info about 1sr results at www.marlisco.eu/stakeholders-survey.en.html

WP2 – Processes and solutions: moving towards better practice

WP2 aims at undertaking the evaluation of the specific educational and outreach activities related to ML, with responses from the stakeholders comparison before and after their participation to WP4/5/6 activities. *Within M30.*

WP2 aims at determines, within the end of the project, factors, strengths and pitfalls in stakeholder' engagement and interaction with the final "How to communicate with stakeholders – a short guide to influencing behavioral change". *Within March2014.*

WP3 – ML Web-Portal and Dissemination Platform



WP3 has set the MARLISCO web portal, containing news about the projects and activities outputs.

Ongoing:

- National and European videos from WP5 contest;
- Design a section and its national pages for the WP4 fora hosting;
- Educational pack and brochures uploading;
- “Sea Dream Team: Serious game on marine litter” final running;
- Interactive webdocumentary hosting.

Visit: www.marlisco.eu



WP3 – ML Web-Portal and Dissemination Platform

- Home
- About the project
- Educational packs
- Best practices
 - Map Overview
 - Listview
- Video Contest
- Contact

Events

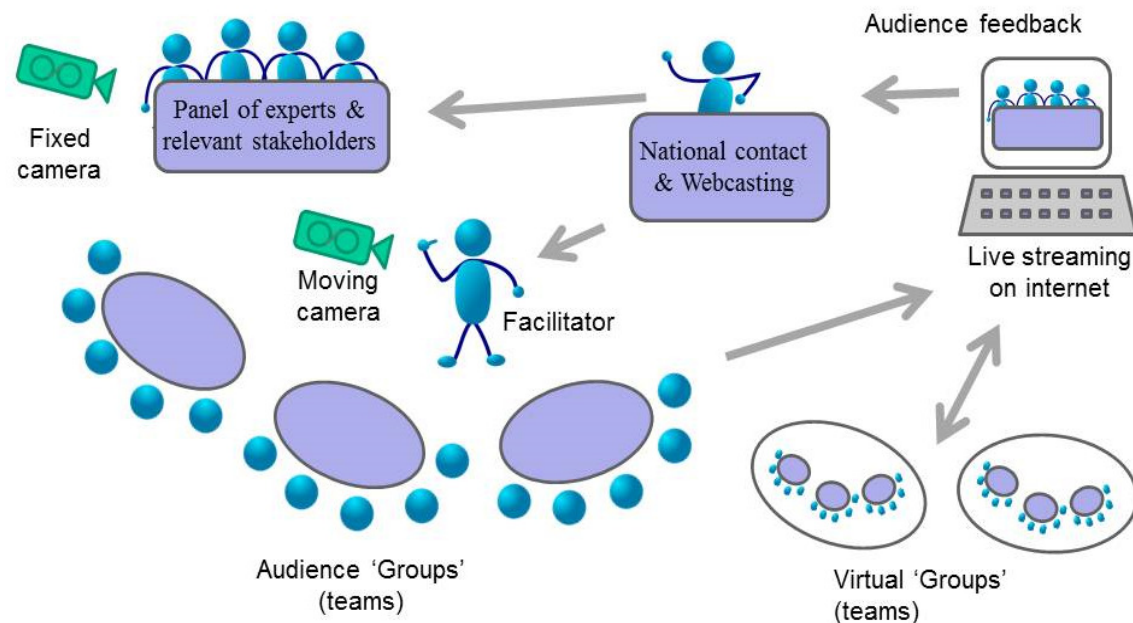
February 2014						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

Best practices map overview



WP4 – Empowering society through informed debate

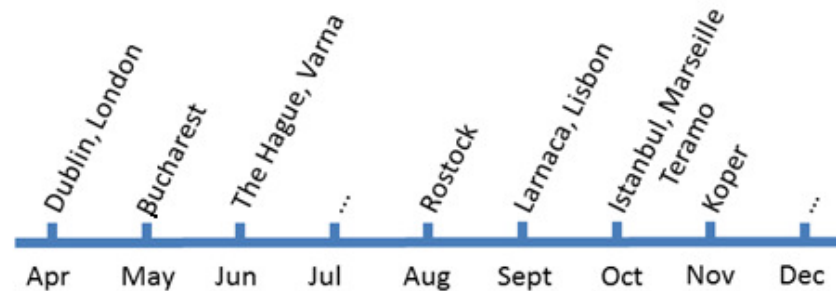
WP4 developed a 'Forum Running Order (Draft)' outlining in complete detail general and national plans, activities, and equipment required to realize the forum in the different National Partner Countries, which will be translated and hosted on the website.



WP4 – Empowering society through informed debate

Next steps (*within January 2015*):

-Fora running;



- Integrated videos and outputs from national debates on the webportal ;
- Summarize of the main events outcomes;
- Facilitate establishment of (regional) working groups on ML management.

WP5 – Views of European Youngster

WP5 proposed a general framework for the contest and the Rules & Conditions for the Video Contest adapted and translated by the different National Partners.

All 14 Partners have begun the process of disseminating the Contest, engaging schools and other entities and attributing the support for a subset of teams.

WP5 has also started on identifying nationally and EU level events to announce awarded videos and dissemination channels for the national and European compilation film.

The video-contest submission will be closing on the 14th of February 2014.

National juries are under constitution from M21. *Within May2014.*

WP5 – Views of European Youngster

Next steps of the video-contest are:

- 3 videos selection from each country. *Within March2014.*
- Ceremony of awards in participated countries. *Within March2014.*
- Edition of the national videos and production of the final European video. *Within March2014.*
- European video compilation dissemination in national events and media and relevant European events. *Within March2014-May2015.*



WP6 – Education, outreach and synthesis

WP6 started with the development of the Educational material → “Educational plan in the Web-portal, in 14 languages”. Target group, objectives and contents of the material have been defined.

A draft of the approximately 100-page educational material has been developed. The Serious game, its key features, the game synopsis and the Conceptual Diagram have been elaborated. *Within March2014.*

Drafts of Brochure sector-specific, in English, are under definition. *Finalization within. Within April2014.*

National awareness activities have been outlined in an overall plan and started within some national partners. *Within March2015.*

WP6 – Education, outreach and synthesis

The exhibition concept and material has been finalized and translated and several partners are organizing or have already launched the national exhibitions. *Within March2015.*

WP6 will also make a Project synthesis, “Recommendations for science and society interactions: a case study from ML”, aiming at summarizing the project as a whole. *Within May2015.*

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MARLISCO



Stopping Marine Litter Together

WP6 – Education, outreach and synthesis



MARLISCO CONTACTS

Project Coordinator: Doriana Calilli, Provincia di Teramo, tel. +390861331407, mob. 00390665670917, e-mail

d.calilli@provincia.teramo.it, politiche.comunitarie@provincia.teramo.it

Project Secretariat: Mara Di Berardo, Provincia di Teramo, tel.: 0039 0861331238, e-mail: marlisco@provincia.teramo.it

Web-site: www.marlisco.eu

• *Facebook MARLISCOProject:* www.facebook.com/MARLISCOProject

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LinkedIn:

www.linkedin.com/groups/MARLISCO-Marine-Litter-in-Europe-4891774

Twitter: <https://twitter.com/MarliscoProject>

Authors: luigi.alcaro@isprambiente.it; mdiberardo@gmail.com

