

CleanAtlantic

Tackling Marine Litter in the Atlantic Area

Identification of the initiatives, measures and actions to
reduce the presence of litter in the marine environment
And their valorisation via an interactive platform

DELIVERABLE 4.2 – Overview of stakeholders and initiatives in the Atlantic Area in
relation to marine litter

WP 4: Marine litter in Atlantic Area

Activity 4.2 - Stakeholder characterization and initiatives tackling marine litter in the
Atlantic area

WP	WP 4: MARINE LITTER IN ATLANTIC AREA
ACTION	ACTIVITY 4.2 - STAKEHOLDER CHARACTERIZATION AND INITIATIVES TACKLING MARINE LITTER IN THE ATLANTIC AREA
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Executive summary

As part of the Interreg CleanAtlantic project, Cedre has undertaken to produce an inventory of initiatives, measures and actions (IMAs) designed to reduce the presence of marine litter in the Atlantic Area (AA).

To this end, Cedre launched in 2018 an online survey, with the help of the CleanAtlantic partners. This survey, translated into 4 languages, was diffused in the 5 countries concerned by the AA: Ireland (IRL), United Kingdom (UK), France (FR), Spain (SP) and Portugal (PT), for a period of 1.5 months.

A total of 787 responses were obtained. A significant part of these responses were not usable as is, a significant amount of work was done to clean up the data. Of this total, 132 responses were found to be usable, containing 162 IMAs. Many unlisted IMAs were then added by Cedre and the CleanAtlantic partners, and a total of 391 initiatives, measures and actions have now been listed.

The data was then restructured in order to propose a database integrating all the IMAs. This new classification has made it possible to propose a more detailed characterisation of the IMAs while regrouping them into coherent categories, and also to facilitate the integration of new IMAs.

IMAs are now characterized by (i) their identity (ii) the theme(s) or field(s) of action they address (iii) the target(s) they aim at (what type of litter? or what public?) and the supporting structures by (i) their identity (ii) the type of structure.

This study showed that the Clean-up/recovery category represents 32% of the IMAs identified; the Awareness raising category represents 28%; the Observation/monitoring category represents 24%; the Circular economy category represents 9% and the Policy category represents 7%.

This report presents main results of the online survey, the data cleaning work, the new restructuring IMAs database and the different categories describing them. In addition to the inventory, a work of valorisation of all the initiatives has been done. An interactive online platform has been developed by Cedre to showcase and facilitate dissemination of IMAs identified in the AA. In addition, a limited selection of the most interesting or innovative IMAs is proposed in the present report.

Abbreviation list

AA	Atlantic Area
ADEME	Environment and Energy Management Agency (Agence De l'Environnement et de la Maîtrise de l'Energie)
ALDFG	Abandoned, Lost or otherwise Discarded Fishing Gear
Cedre	Centre of Documentation, Research and Experimentation on accidental waters (Centre de documentation, de recherche et d'expérimentation sur les pollutions accidentelles des eaux)
CEPESCA	Spanish Fisheries Confederation (Confederación Española de Pesca)
CETMAR	Marine Technology Centre (Centro Tecnológico del Mar)
EPS	Expanded polystyrene
FR	France
IMA	Initiatives, measures and actions
IRL	Ireland
MPA	Marine protected area
NGO	Non-governmental organisation
OPS	Operations
OSPAR	Oslo-Paris convention
PT	Portugal
SME	Small Medium Enterprise
SP	Spain
TEO	Taho'e éco-organisation
UK	United-Kingdom

Introduction

While the first initiatives, measures and actions (hereinafter referred to as IMAs) to reduce the presence of litter in the marine environment date back several decades, their number has grown enormously in recent years. All these IMAs contribute in their own way to the fight against marine litter. Some of them are very similar in the different countries; others are more original or more innovative, some of them deserve to be disseminated on a larger scale.

Stakeholders more or less involved in the fight against marine litter pollution cover a very wide range of activities, encompassing sectors of the maritime world (transport, fishing/aquaculture, tourism, environment, research) and beyond, sectors of activity on land (plastics, packaging industry, circularity of manufactured objects, recycling of marine litter, etc.).

The need to set up IMAs to fight against marine litter is felt by different spheres of actors: political, professional, scientific, and citizen.

But who does what? Who are these actors? What are the initiatives, measures or actions that are being implemented to reduce the presence or remove litter from the marine environment? And among them, which are the most original or innovative?

To answer these questions, Cedre, with the help of CleanAtlantic partners, undertook an inventory of IMAs implemented in the Atlantic Area (AA) to reduce the presence of litter in the marine environment. To this end, an online survey was elaborated and launched in the 5 countries with national stakeholders identified as preferential targets.

This report presents the main results of this inventory of IMAs and associated key stakeholders. This is not a European inventory of IMAs dedicated to marine litter in Europe; the survey was limited to the Atlantic coastline of the 5 countries concerned by the Atlantic Area (AA): Ireland (IRL), United Kingdom (UK), France (FR), Spain (SP) and Portugal (PT). However, not all the IMAs listed here are implemented in the AA: some, outside the study area, are also included in the AA insofar as the survey mentioned them. Finally, only "structured" IMAs are taken into account: the simple individual beach litter collections sometimes mentioned in the survey are not considered here as IMAs.

To facilitate their characterisation and better distinguish them, IMAs were categorised in a 4-level cascading classification (category/sub-category/type/sub-type). IMAs identified are detailed in appendix and their characteristics are analysed in the report.

A limited selection of the most interesting or innovative IMAs is proposed in the present report with the aim of facilitating their dissemination and encouraging their duplication on a larger scale.

Finally, an interactive platform dedicated to IMAs in AA has also been developed within the framework of this project: it can be consulted on the CleanAtlantic project website (<http://www.cleanatlantic.eu/fr/>); it includes the inventory of IMAs mentioned in this report (i.e. identified at the end of 2020).

Material and methods

1. THE SURVEY

1.1 The Questionnaire

The initial option chosen to establish an inventory of key stakeholders and their IMAs was to survey each category of stakeholder using a specific, highly targeted questionnaire. Initially, a dozen very detailed questionnaires were drawn up for each of the types of actors likely to provide such information in the various sectors of activity related to the sea and aquatic litter (political, economic, associative, research, etc.).

It appeared that the number and disparity of these targets (i) complicated the drafting of certain questionnaires (in addition to the adaptation to the possible specificities of one of the countries) and (ii) suggested too much work of analysis, without guaranteeing to have a sufficient number of answers for each of the questionnaires. It was therefore decided to reduce this action to a more reasonable size: a discussion extended to the whole consortium led to the creation of a single questionnaire, simplified in its design.

Once validated, this very simplified questionnaire was translated into 4 languages and distributed online in the 5 AA countries (see English version, Appendix 1).

1.2 The survey tool

The use of an online survey was immediately obvious, rather than an email survey. After an analysis of existing survey tools, the choice fell on LimeSurvey, Enterprise version.

The only real constraint encountered was the mapping device inserted in the questionnaire. As the system did not allow the respondent to mark more than one point on the same map, it was necessary to open/close as many maps as there were points to be marked: this process could have penalized the fluidity of the questionnaire completion - and possibly discouraged some respondents.

1.3 Dissemination of the survey

Cedre drew up a generic list of stakeholders, preferably targeting: local and regional authorities; national agencies; organisations of professionals linked to the sea; port authorities; managers of marine protected areas (MPA); environmental NGOs; social insertion organisations, etc. The survey was distributed in 4 languages, in the same way in each of the 5 countries [FR survey, ENG (UK+IRL) survey, SP survey and PT survey]: a follow-up at 3 weeks and a closing at 1.5 months.

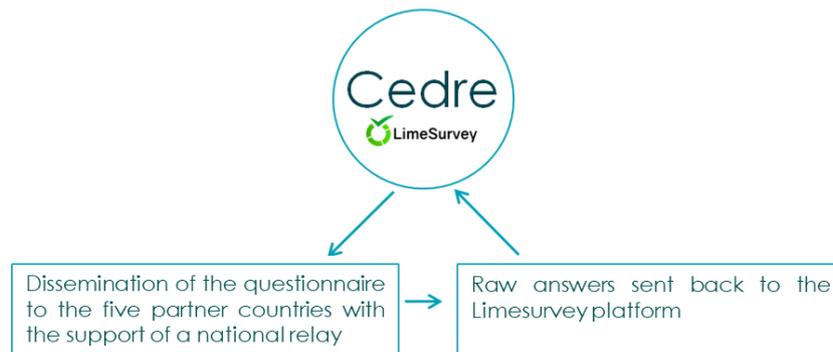


Figure 1 - Scheme for disseminating the survey and receiving the raw answers

This dissemination was carried out by Cedre with the support (via a link) of a partner acting as a national relay in each of the 4 other countries (**Figure 1**); this national relay had previously been responsible for the translation of the questionnaire and the creation of the national distribution list of stakeholders. In some countries, the survey was also relayed through social media.

2. THE ANSWERS

2.1 The raw answers

The data from the online questionnaires (or “raw answers”) were automatically saved on the LimeSurvey platform dedicated to the CleanAtlantic project.

At the end of the survey, the data retrieved (.csv extraction file) was organised according to the structure of the questionnaire. Cedre then sent each country its own national file of raw answers (except for IRL and the UK, which had the same common file, due to the lack of national distinction in the English version of the survey).

The raw data extraction file was not usable as is for two reasons: (i) its content: some answers were empty or insufficiently filled in to identify even one IMA, for example, and (ii) its structure, which did not allow the desired automated exploitation (because the oversimplified questionnaire did not lend itself to a detailed analysis).

Two prior operations to the analysis were therefore necessary: the cleaning of the "raw answers" in order to retain only "usable answers", and then the restructuring of the data from these answers.

2.2 The usable answers

It was necessary to eliminate the "not usable answers" included in the "raw answers". A first cleaning focused on the "empty answers" corresponding to answers that had not been completed beyond level 4 of the online questionnaire and in which only the identity of the respondent, at best, was provided: a large number of answers were thus eliminated to retain only the "potentially usable answers" (**Table 1**).

Progression through the questionnaire		Quality of information	Qualification
N° page	Action from respondent		
0 -1	Q closed as soon as opened Q started then closed again after going back	No information	Empty answers
1 à 3	Progression until RGPD	No information	
4	Progression until ID	No information (except possibly the characteristics of the respondent)	
5 à 12	Possible report of at least one IMA		Potentially usable answers

Table 1 - Qualification of the answer according to the degree of progress through the questionnaire

The remaining "*potentially usable answers*" were subject to a second cleaning, this time by looking at their content, in order to remove:

- The "*null answers*", i.e. those which, in fact, did not mention any initiative although the respondent had progressed in the questionnaire, sometimes even well beyond page 5;
- The "*off-topic answers*", such as those which stated, without further clarification, that the respondent "sometimes collects beachlitter";
- The "*duplicate answers*", i.e., answers mentioning an initiative already reported by at least one other respondent, or answers with identical content filled out twice by the same respondent or organization.

This second cleaning allowed keeping only the "*usable answers*" (**Figure 2**).

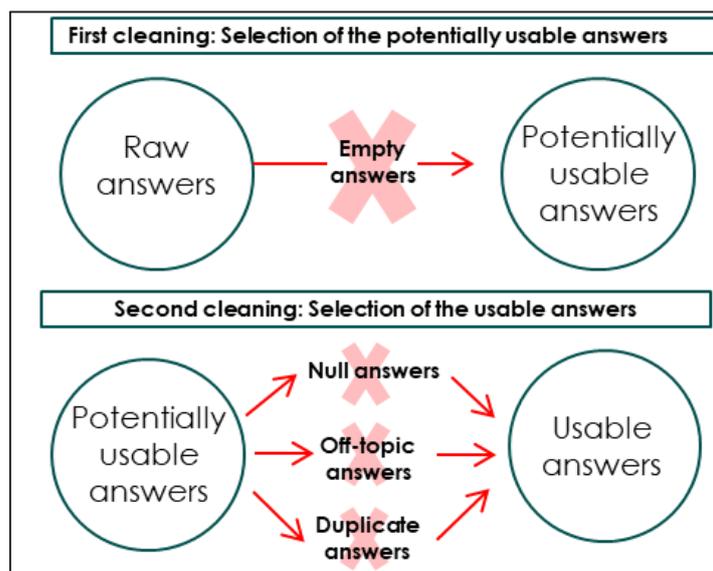


Figure 2 - Answers cleaning: from "raw answers" to "usable answers"

3. THE RESTRUCTURING OF DATA

The data from the "usable answers" were then reorganized in order to better characterize the IMAs, the structures that carry them out (i.e., the organizations that implement them), and their targets.

This restructuring was necessary for two reasons. Firstly, the construction of the questionnaire, which was too simplified, did not allow for an automatic exploitation of the data, as it should normally have allowed. Secondly, the initial classifications (of the IMAs, supporting structures and targets) which, because they were not sufficiently numerous or detailed, did not reflect the great diversity that emerged from the survey.

Descriptors		Number of categories	Categories
IMA			
ID	Name	-	Name / "unnamed" (when no specific name)
	Website	-	if any
Implementation area	Geographic scale	8	local; county; regional; national; cross border; international; zone area; N/A
	Geographic area	-	Variable
	Coordinates	-	When local implementation (if not local: the location of the organisation)
Running Status		3	In progress / Completed / Unknown
IMA Topics		5 (incl. 23 sub-categories*)	Clean-up / Recovery (6*); Observation / Monitoring (5*); Awareness raising (3*); Circular economy (5*); Policy (4*)
IMA targets		5 (incl. 36 sub-categories*)	Litter type (9*); specific litter item (12*); litter impact (1*); stakeholder (10*); Theme (4*); etc.
SUPPORT STRUCTURE (ORGANISATION IN CHARGE OF IMA)			
ID	Name	-	
	Web site	-	
	Type	13*	International organisation; Government (Service, Agency); Local or regional authority or organisation; Professional association; Firm / SME; NGO (environment); NGO (sport); NGO (social insertion); Research organisation ; Consortium; Culture centre; Sport(wo)man; Artist; etc.

*number not fixed (evolving)

Table 2 – Data restructuring: new classifications (name and number)

Consequently, in order to facilitate the inventory of the IMAs, and to allow for groupings while highlighting the specificities of each one, a more discriminating characterization, beyond the simple identity of the IMAs and their supporting structures (i.e. the organisations in charge of the IMAs), was necessary.

This detailed characterization was carried out on a few key descriptors using a cascade classification (**Table 2**) at a maximum of 4 levels (i.e., which can include categories, subcategories, themselves divided into types and subtypes). Thus, from now on:

- IMAs are characterized by:
 - (i) their identity
 - (ii) the theme(s) or field(s) of action they address
 - (iii) the target(s) they aim at (what type of litter? or what public?)
- and the supporting structures by :
 - (i) their identity
 - (ii) the type of structure

3.1 Characterization of the IMA

- **Identity of the IMA**

In addition to the link with the supporting structure, the parameters retained for the identity of the IMA are: (i) the name, (ii) the link to its website (when it exists), (iii) the location of its implementation, and (iv) its current status. Although simple in principle, these identity parameters are sometimes missing or difficult to specify; conventions have been established accordingly: they are mentioned below.

As for the **name of the IMA**, sometimes there is no name; in this case, it has been given a generic name. This is the case for:

- Numerous litter clean-up operations on the coast, in particular those organised by :
 - NGOs or other organisations involving volunteers: here referred to as ["*Citizen clean-up (unnamed)*"];
 - a local authority or a company employing salaried staff (agents and employees): here referred to as ["*Clean-up (unnamed)*"];
 - a professional organisation (e.g. shellfish farming) on a day, on a local, regional or national scale: here referred to as ["*Shellfish farming collection day*"].
- Certain expeditions at sea [here referred to as "Expedition at Sea"].

With regard to the **location of the IMA implementation**, the following are specified

- The geographical scale: 7 possible scales have been retained: local, county, regional, national, transboundary, international and Atlantic Area (AA);
- The geographical entity: when available, the name of the site or sector (example: Listo beach, Biscay Bay, Ushant archipelago);
- The coordinates of the IMA implementation site, if known and unique. Sometimes the location is not obvious to specify; it was then agreed to proceed as follows:
 - When the IMA is deployed on an (inter)national scale: the choice has then privileged the address of the head office of the supporting structure, even if it means locating the IMA inland (i.e. in Barcelona, Paris, or London, for example) as is sometimes the case for the "Policy" category in particular (e.g. reference document, ad hoc working group, etc.);

- The same applies when the IMA is deployed on several sites or does not have a fixed location: it is the head office of the supporting structure which is then indicated (case of the national campaigns of collection of litter on the beaches, for example);
- When the IMA reported in the survey is not implemented in the Atlantic Area: the bias adopted was to keep it - if justified - insofar as it was of interest to a respondent; some IMAs are thus located in the Mediterranean (effect of the French and Spanish surveys).

With regard to the **current status of the IMA**, three possibilities have been identified:

- On-going;
- Completed;
- Unknown.

- **IMA themes**

The specific themes addressed by the IMAs (or areas of focus: What is the IMA's purpose?) fall into only five categories but encompass 22 subcategories; these subcategories may themselves be further classified into types and subtypes (**Table 3**).

Primary Classification		Secondary Classification*	
Categories	Sub-categories*	Types (n*)	Sub-types (n*)
LITTER CLEAN-UP / RECOVERY	Clean-up operations (on shoreline)	16*	26*
	Clean-up operations (in port)		
	Clean-up operations (at-sea)		
	Specific equipment		
	Support tool		
	Incentive scheme		
LITTER OBSERVATION / MONITORING	Litter surveys Ops (on shoreline)	16*	30*
	Litter surveys Ops (at Sea)		
	Litter Impact Assessment		
	Support tool		
	Specific equipment		
LITTER AWARENESS RAISING	Event	18*	30*
	Education		
	Support tool		
LITTER CIRCULAR ECONOMY	Recovery chain organisation	11*	23*
	Valorisation chain organisation		
	Litter recycling		
	Use of recycled litter		
	New material for sea-related uses		
LITTER POLICY	Engagement	9*	13*
	Baseline documents		
	(Inter) national forum		
	Ban		

* number not fixed (evolving)

Table 3 – IMA themes (primary classification: categories a subcategories)

The sub-categories of each of the 5 main IMA categories are specified later in the analysis of the results, and the content of the sub-categories (types and sub-types) is detailed in the appendix (Appendix 2 - 2A to 2E).

- **Main actor involved in the IMA**

Since it is not always the support structure that initiates the IMA that is actually involved in the field, it seemed necessary to specify the actor who implements the IMA (**Table 4**).

When the support structure itself implements its IMA, the actor mentioned are respectively "Agents/employees" or "Contractor" if it is the organisation's salaried members who are primarily involved or if an external operator is called in, and "Volunteers" when the organisation mainly uses volunteers for the IMA concerned.

Main actor involved	<ul style="list-style-type: none"> • Government (services, agencies) • Contracting parties • Local authorities • Port authority • Public foundation • NGO (environment); NGO (social Insertion); NGO (sport) • Contractor • Agents / Employees • Volunteers • Professional association • Shellfish farmers • Fishermen • Firm/ SME • Technological institute • Scientists • Research Consortium • Consortium of stakeholders • School (professional); Schools • Local communities • Sailors • Sport(wo)man • Artist • Etc.
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Table 4: Types of actors involved in IMAs

- **IMAs targets**

The targets of the IMA (i.e. *who is the main or only target of the IMA? or what type of litter the IMA is targeting?*) are broken down into categories, the number of which is limited to five. These categories are further divided into sub-categories, the number of which is not completely limited in order to allow for a more detailed and discriminating description of the IMAs.

Because of the wide variety of IMAs, the range of their targets is very broad (**Table 5**); an IMA may target:

- Stakeholders: the general public or a specific stakeholders (fishermen, students, scientists, etc.);
- Litter: either (i) a type (ranging from marine litter in general, to a particular group: floating litter, etc.), or (ii) a specific item (fishing waste, cigarette butt, etc.);
- An impact or damage: birds, for example;
- A theme (e.g. circular economy, good practice, etc.).

Stakeholders	<ul style="list-style-type: none"> • General Public • Schools • Firm / SME • Protected natural site manager • Sailors • Sailors (kids) • Shellfish farmers • Fishermen • Shellfish and fishermen women • Snack-bar at beach • Various • Etc.
Litter (types)	<ul style="list-style-type: none"> • Marine litter • Sea litter • Seabed litter • Floating litter • Beach litter • Land litter • Urban litter • Plastic litter • Microplastics • Etc.
Litter (items)	<ul style="list-style-type: none"> • ADFLG (abandoned, lost or otherwise discarded fishing gear) • Ghost nets • Used fishing nets ; Used oyster bags; Used mooring lines • Fishing related litter; Net mending pieces • Ballons • Plastic bags • Butts • Cotton bud • PET (polyethylene terephthalate) • Etc.
Litter (impacts)	<ul style="list-style-type: none"> • Birds • Etc.
Theme	<ul style="list-style-type: none"> • Biodiversity; circular economy; training; best practices • Etc.

Table 5 – Targets of IMAs

3.2 Characterisation of the support structure

The support structure, i.e. the organisation in charge of the IMA, is defined by:

- its identity, the parameters of which are: (i) the name, (ii) the link to its website, and (iii) its place of residence;
- the type of structure, a parameter declined in ten categories: (i) International organisation, (ii) Government (department, agency), (iii) Local/regional authorities or organisation, (iv) Professional organisation, (v) Firm/SME, (vi) Social integration structure, (vii) Environmental NGO, (viii) Sports association (ix) Research organisation, (x) Research consortium, (xi) Scientific cultural centre, (xii) Sportsmen, (xiii) etc.

4. ENRICHMENT OF THE INVENTORY

The initial inventory, directly derived from the survey, was subsequently enriched with new IMAs not mentioned in the survey (**Figure 3**). These additions - which obviously contributed to the development of the new characterization classification - were made in three ways:

- from the IMAs listed in the survey:
 - By the division of the IMAs mentioned: some IMAs listed in one of the categories mentioned in the survey sometimes deserved to be listed in another category or sub-category, either already existing or to be created;
 - By similarity with an IMA mentioned: some of the IMAs mentioned made it necessary to integrate similar IMAs known to Cedre which exist in the country concerned or in other countries, but which were not indicated in the survey.
- from the websites of the IMAs listed:
 - The systematic consultation of the websites of all the IMAs or organizations mentioned made it possible to identify new ones that also deserved to be included in the inventory, because of their originality (or because they echoed others already identified).
- with the help of the project partners:
 - Some partners added IMAs to the initial national inventory that Cedre had submitted to them for comment.

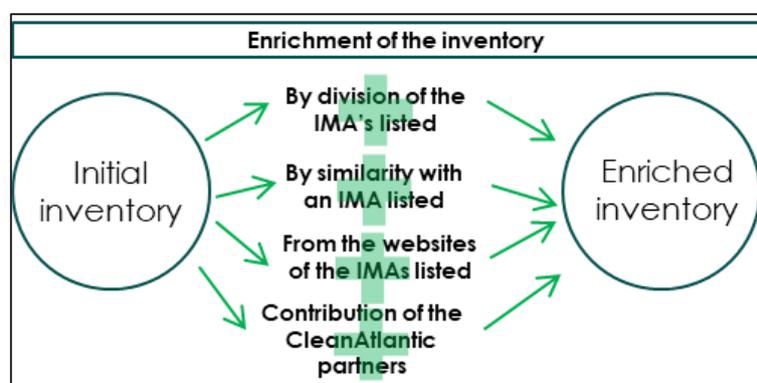


Figure 3 - Data enrichment: addition of new IMAs

5. OUTCOME OF THE INVENTORY

The three operations (cleaning, restructuring and then enrichment) carried out on the initial file of IMAs identified in the survey resulted in a file that was easier to use and a broader census.

The relatively simple and intuitive classification that was established to characterize the IMAs responded to the desire to differentiate the IMAs from one another, by identifying their specificities (relative to their themes, their supporting structures and their targets), with a view to achieving coherent groupings.

This classification also makes it possible to respond to the second wish, which was that the inventory should not be limited to the time of the survey, but should be able to integrate IMAs throughout the duration of the project - or even beyond, depending on future actions.

This classification is scalable, so as to allow the integration of new IMAs: if the number of categories is fixed, the number of lower ranks can be increased if needed and if the discrimination is relevant.

6. THE SELECTION OF THE MOST ORIGINAL IMAs

Beyond the inventory of IMAs, the study also aimed to identify the most original, innovative or unifying IMAs which, if only implemented locally or in a single country, deserve to be highlighted with a view to encouraging their geographical extension.

7. THE INTERACTIVE PLATFORM

The final objective of the inventory was to make it available online on the project website via an interactive online platform developed specifically for the project.

Results

1. SUMMARY OF THE SURVEY

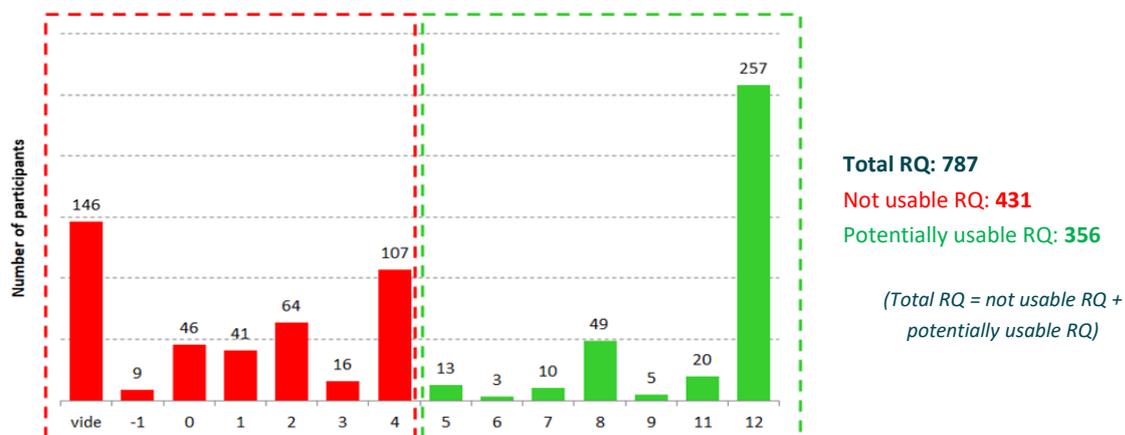


Figure 4 - Summary of the survey (number of received questionnaires - RQ)

1.1 The raw answers

Across the 5 countries (**Table 6**), the online survey generated a total of 787 "raw responses": 288 for France, 140 for Spain, 224 for Portugal, and 135 for the UK and Ireland combined (as it was not possible to identify the country of origin of 3 responses in the English version questionnaire).

1.2 The usable answers

The first cleaning (of the "raw responses") (**Figure 4**) resulted in the removal of a significant number of "unusable responses": 431 out of the original 787 responses, representing approximately 55%. The remaining 356 "potentially usable responses" are broken down as follows: 141 for France; 59 for Spain; 109 for Portugal; and 47 for the UK and Ireland (no discrimination possible for the reasons given above).

The second cleaning, in turn, eliminated almost 60% of the "potentially usable responses". The 132 "usable responses" that emerged from the survey thus represent only 17% of the "raw responses" generated by the survey.

	Gross Answers	Potentially usable responses	Usable Responses / IMA per Survey	Total IMA identified (including post-survey additions)
France	288	141	50 / 58	173
Spain	140	59	26 / 34	99
Portugal	224	109	36 / 42	64
United-Kingdom	135	47	10 / 15	37
Ireland			10 / 13	18
Total	787	356	132 / 162	391

Table 6 – Summary of the survey

2. SUMMARY OF THE IMAs INVENTORY

2.1 Number of IMAs

The 132 "usable responses" (i.e. reporting at least one IMA) indicate a total of 162 IMAs. The 132 "exploitable responses" and the respective number of IMAs are distributed as follows across the 5 countries: 50 (58 IMAs) for France; 26 (34 IMAs) for Spain; 36 (42 IMAs) for Portugal; 10 (15) for the United Kingdom and 10 (13) for Ireland (the geographical origin of the exploitable responses, which were well filled in, being identifiable for these 2 countries, at this stage)

Following the reorganisation of the classification and the subsequent enrichment of the inventory, the total number of IMAs listed rose to 391 (Figure 5), with the following additions by country: 47 for France; 18 for Spain; 22 for Portugal; 22 for the United Kingdom and 5 for Ireland.

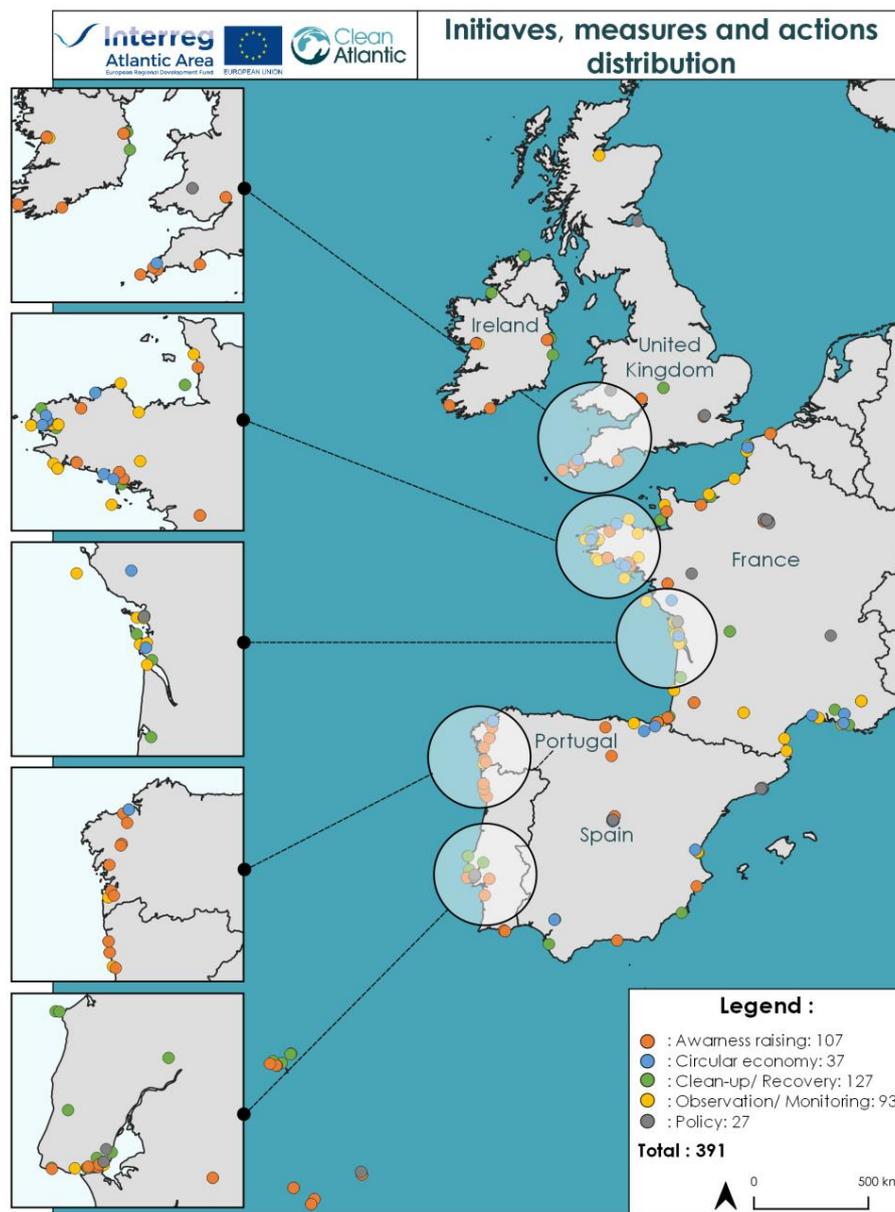


Figure 5 - Distribution of the IMAs identified (by category)

At the end of the project, a total of 391 IMAs have been identified in the 5 countries (**Figure 5**).

2.2 Overall distribution of IMAs by country

The 391 IMAs are distributed as follows across the 5 countries (**Figure 6**):

These differences between the five countries are probably largely the result of an unequal effort to disseminate the survey (in terms of numbers and types of recipients) within the five countries; an imbalance that may have been reinforced later, during the subsequent enrichment.

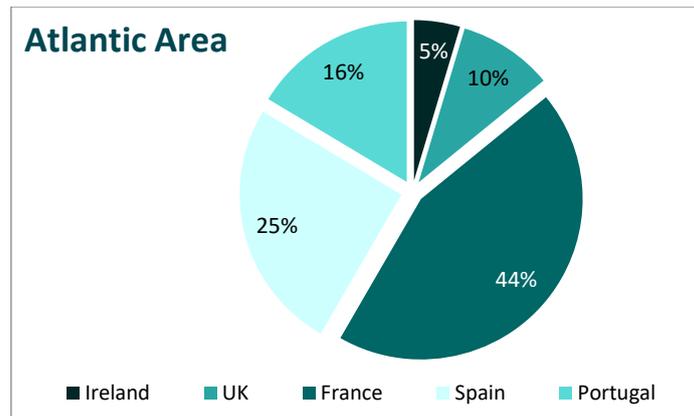


Figure 6 - Total IMAs in AA: distribution by country

Despite the limitations of comparative statistical analysis, it is possible to carry out thematic overviews of the IMAs and to draw some general and comparative elements at the level of the 5 countries of the Atlantic Area (AA).

2.3 Overall distribution of IMAs by category and country

Figure 5 shows the distribution of IMAs by country and category. **Appendix 3** presents the national inventories of the IMAs identified, in the form of tables detailing, by country and by category, the following major descriptors:

- the identity of the IMA (name, website);
- the identity of the supporting structure (name, website, type of organisation);
- the description of the IMA (sub-category, type and sub-type);
- the target of the IMA, i.e. according to the sub-category: a type of litter; a particular public, etc.

These tables (in appendix) which present only part of the descriptors taken into account in the global file serve as a basis for the synthetic analysis by category presented below.

More than 80% of the total IMAs fall into three of the five main categories (**Table 7** and **Figure 7**).

	Ireland	UK	France	Spain	Portugal	Total	
Litter clean-up / recovery	8	13	50	27	29	127	(32,3 %)
Litter observation / monitoring	5	8	54	19	7	93	(23,8 %)
Litter awareness raising	5	6	37	34	25	107	(27,4 %)
Litter circular economy	0	1	23	13	0	37	(9,5 %)
Litter policy	-	9	9	6	3	27	(6,9 %)
Total	18 (4,6 %)	37 (9,5 %)	173 (44,1 %)	99 (25,4 %)	64 (16,4 %)	391	

Table 7 - Total IMAs: distribution by category and country

Nearly a third of them are in the "Clean-up / recovery" category and about a quarter in each of the other two categories: "Awareness raising" and "Observation / Monitoring" (Figure 7).

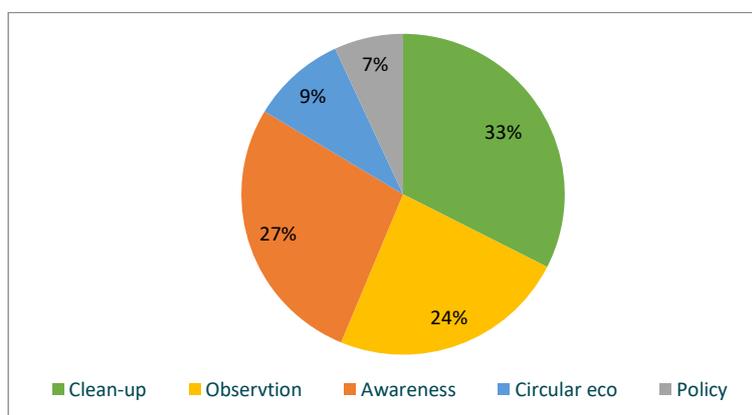


Figure 7 - Total IMA in AA: distribution by category

This prevalence of the "Clean-up / Recovery" category is found at the national level in all 5 countries (Figure 8).

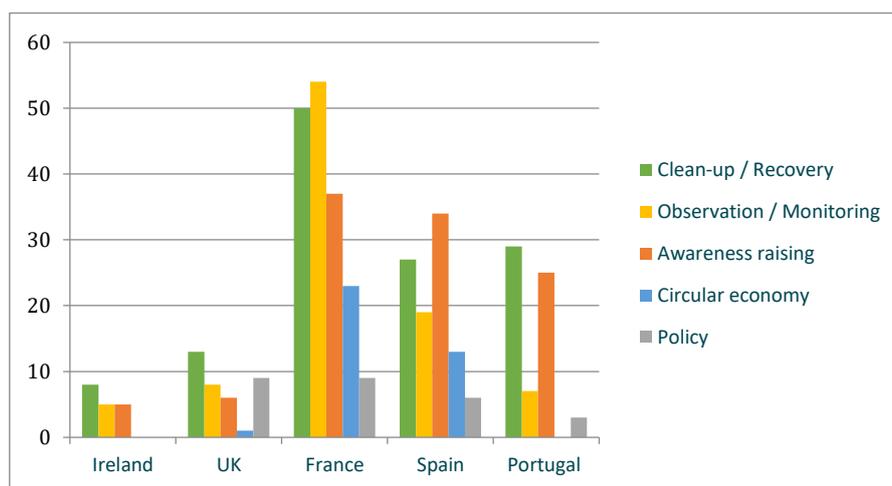


Figure 8 – Total IMA: distribution by category and country (number and %)

The "Clean-up / Recovery" category comes first in 3 countries - where it represents between a third (UK) and more than 40% (IRL and PT) - and second in the other 2 countries, although well represented (SP and FR: around 25%). Next come the "Awareness" category (in second place in 3 countries, between a quarter (IRL) and more than a third (SP and PT)) and "Observation/Monitoring",

artificially inflated in France following the integration of the operators of the National Beach Litter Monitoring Network, where it comes first (FR: 30%).

2.4 Overall distribution of IMAs by subcategory and country

With more than 20% of the total IMAs, the most represented sub-category (**Figure 9**) is *Beach cleaning operations* (a result of the strong participation of associations in the survey) in the "Clean-up / recovery" category; it is followed, with more than 10% of the total, by the sub-categories *Shoreline survey operations* (an effect of the French National Beach Litter Monitoring Network) in the "Observation / Monitoring" category, and by the sub-category *Education* in the "Awareness raising" category.

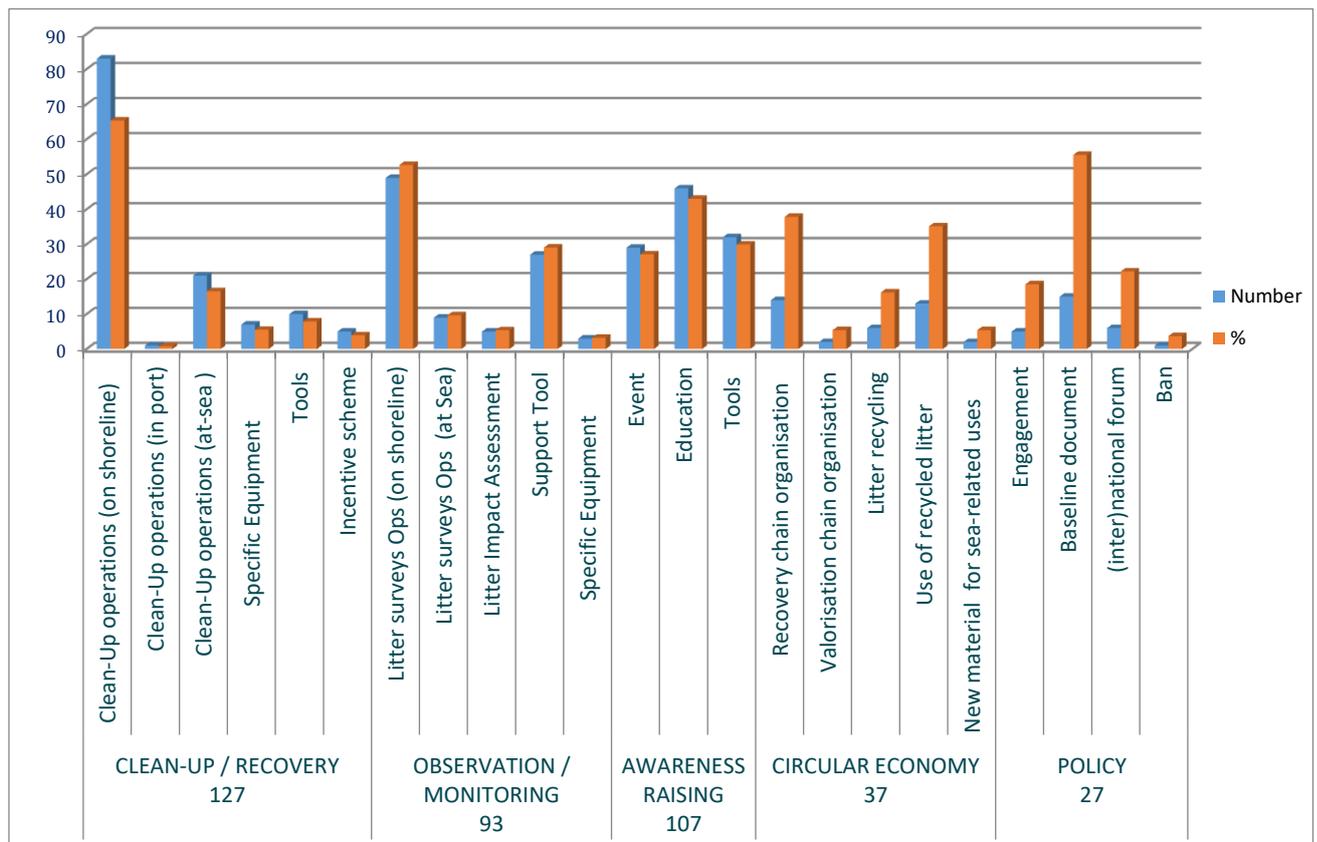


Figure 9 - Distribution by sub-category (number and %)

Next, with more than 20 IMAs each, are the *Support Tool* and *Event* in the "Awareness-raising" category, as well as the *Support tools* in the "Observation / Monitoring" category, and, to a lesser extent, the *Clean-up operations at sea* in the "Clean-up/Recovery" category. Finally, with more than 10 IMAs each, we should mention the *Reference documents* in the "Policy" category, the *Reuse of recovered waste* and the *Organisation of the recovery chain* schemes in the "Circular economy" category.

3. OVERVIEW OF THE IMAs AT THE ATLANTIC AREA SCALE

The "Clean-up / Recovery" category is the most mentioned (**Figure 10**) both at the scale of the 5 Atlantic Area countries (33%) and at the national scale (between 30% and 45% depending on the country).

The "Awareness raising" and "Observation / Monitoring" categories come next with about a quarter of the IMAs each (27% and 24% respectively) at the AA scale, but they vary greatly at the national scale (ranging from 16% to 39% for the former and from 11% to 31% for the latter).

The other two categories are poorly represented at the global level (<10%) and also vary widely across countries.



Figure 10 – Total IMAs: distribution by category (i) in the Atlantic Area, and (ii) by country

4. OVERVIEW OF THE CATEGORY « CLEAN-UP/RECOVERY »

The “Litter Clean-up / Recovery” category (in detail in **Appendix 2-A**) includes, in 6 sub-categories (**Table 8**), IMAs about:

- Clean-up operations (on shoreline): including (i) "citizen clean-up" (i.e. manual operations carried out by NGOs, individuals, etc. on foot or using paddle, kayak, etc. and (ii) "professional clean-up" (i.e. manual or mechanical operations carried out by the municipalities or a contractor);
- Clean-up operations (port): operations targeting more particularly floating litter, carried out manually or mechanically (specific equipment: barge, skimmer, etc.); the difference is also made here between "citizen collection" and "professional clean-up";
- Clean-up operations (at sea): collection of floating and sunken litter during (i) accidental catches (in nets by fishermen: *Fishing for Litter* type operations), (ii) active collection: using specific means (boats, trawls, etc.) or (iii) diving (scuba or snorkelling);
- Support tool: generally digital tools facilitating cleaning and collection operations: *platform, applications, web viewer, guide*, etc.;
- Specific Equipment: machines and tools specifically developed for cleaning or collection;
- Incentive scheme: devices that limit litter (*litter tide bins, floating bins, nets*, etc.).

Category	Sub-categories
Clean-up / Recovery	Clean-up operations (shoreline)
	Clean-up operations (port)
	Clean-up operations (at sea)
	Support tool
	Specific equipment
	Incentive scheme

Table 8 – Sub-categories of the “Clean-up / Recovery” category

Synthesis at the Atlantic Area scale

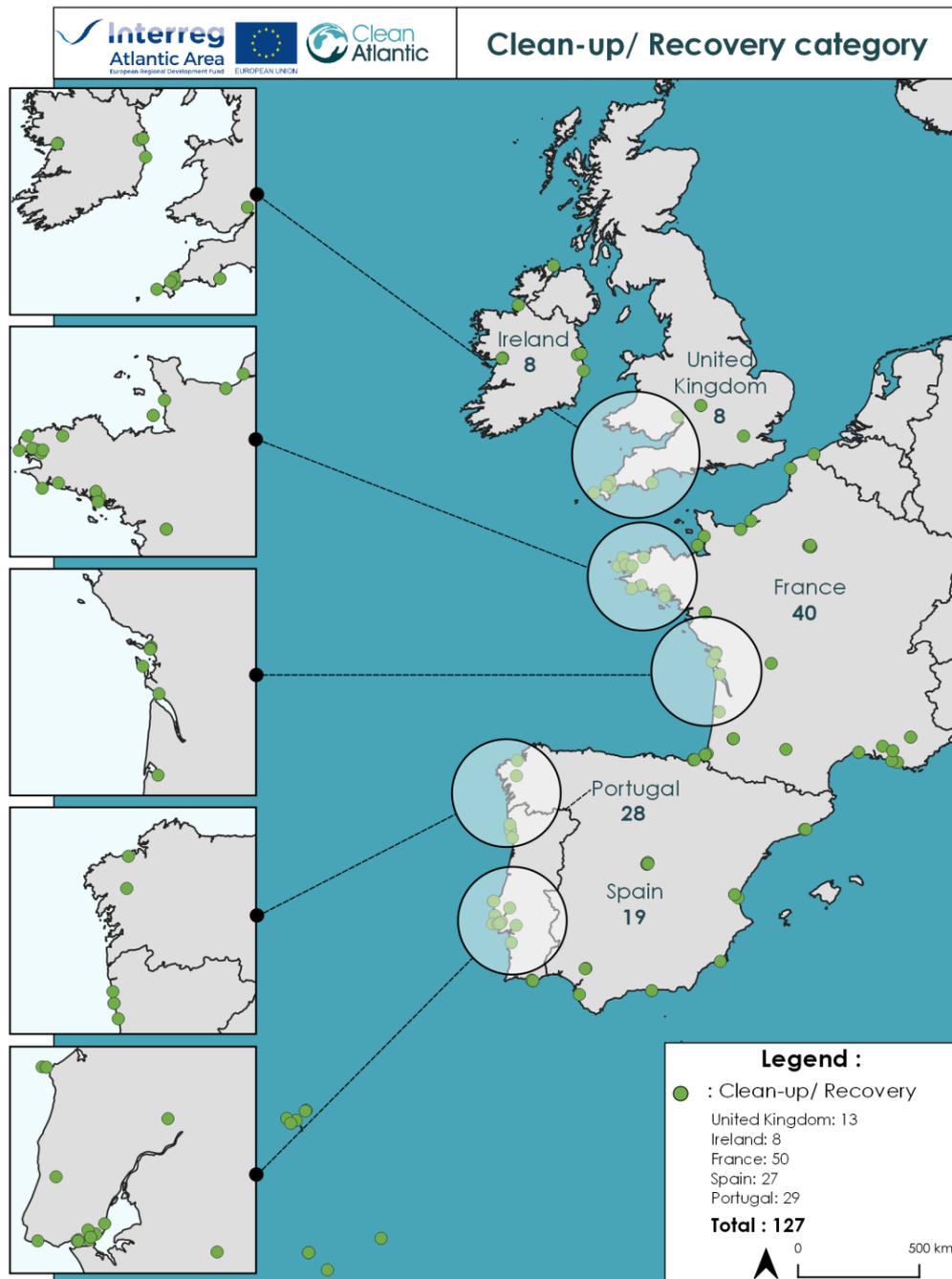


Figure 11 – Distribution of IMAs in the “Clean-up / Recovery” category

Accounting for a third of the IMAs recorded at the AA level, the “Clean-up/Recovery” category is the most represented (Figure 10 and 11). Most of these, almost two-thirds, are “Clean-up operations (shoreline)”, and to a lesser extent, “Clean-up operations (at sea)” (one sixth), followed by “Support tools” (Figure 12).

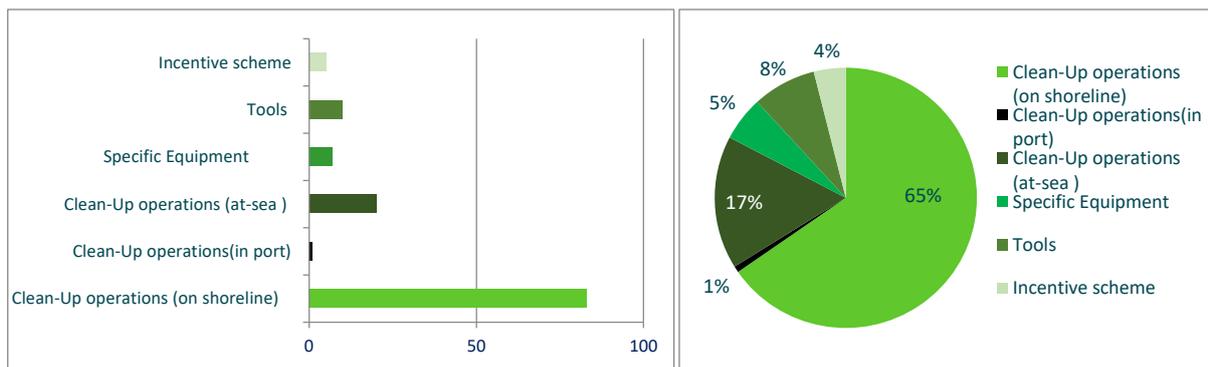


Figure 12 – “Clean-up / Recovery” category: IMAs distribution by sub-category in AA (total number and %)

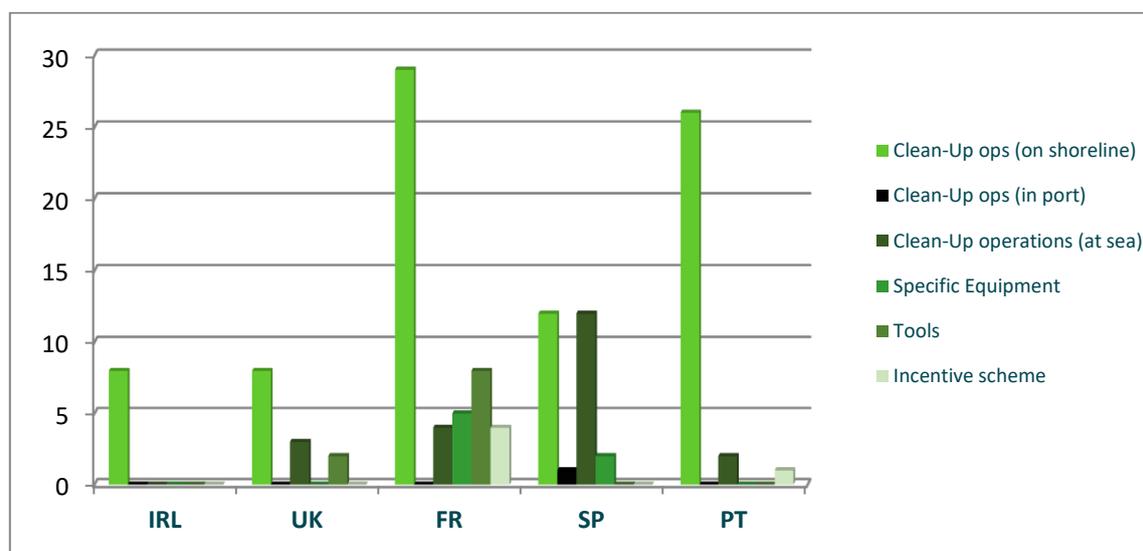


Figure 13 – “Clean-up / Recovery” category: IMAs distribution by sub-category and country (number)

The most frequently mentioned "Clean-up operations (shoreline)" are those of the *citizen* type: they are clearly in the lead in all five countries (Figure 13). A few "Clean-up operations (at sea)" are reported, corresponding primarily to Fishing for litter operations (particularly in Spain and surprisingly none in the UK), and *collection by diving* (Figure 14).

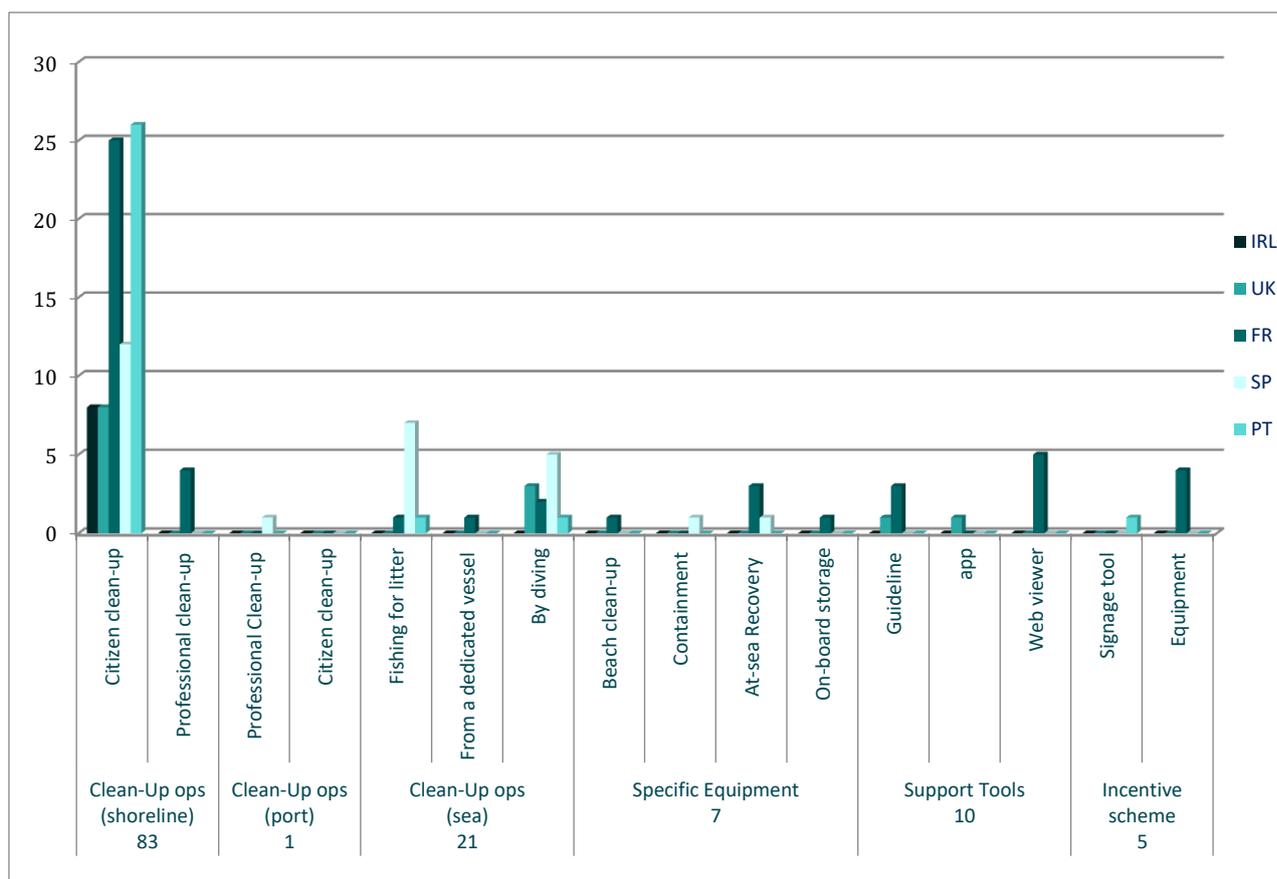


Figure 14 - "Clean-up / Recovery category": IMAs distribution by type and country (number)

Synthesis at national scale

- **Ireland:** The category "Clean-up / Recovery" represents 45% of the initiatives identified, all of which are in the sub-category "Clean-up operations (shoreline)" (**Figures 13 and 14**).
- **United Kingdom:** The category "Clean-up / Recovery" represents 35% of the initiatives identified, with two sub-categories particularly well mentioned: "Clean-up operations (shoreline)", and "By diving" (**Figures 13 and 14**).
- **France:** The "Clean-up / Recovery" category accounts for a third of the initiatives recorded; these mainly concern "Clean-up operations (shoreline)" and a little "Clean-up operations (at sea)", "Support tool", such as guides, applications and webviewers (listing associations or clean-up sites, etc.) and "Incentive schemes" (particularly tide bins) are also relatively well cited (**Figures 13 and 14**).
- **Spain:** The category "Clean-up / Recovery" is also the most represented but to a lesser extent (25% of the initiatives identified). The most mentioned sub-categories are "Clean-up operations (shoreline)", especially citizen clean-up, "Fishing for litter", and "Diving collection" (**Figures 13 and 14**).
- **Portugal:** The category "Clean-up / Recovery" represents almost half (45%) of the initiatives identified. The most mentioned sub-category is "Clean-up operations (shoreline)" especially citizen clean-up, followed by "Diving collection" and "Fishing for litter" (**Figure 13 and 14**).

5. OVERVIEW OF THE CATEGORY « OBSERVATION/MONITORING »

The "**Observation/Monitoring**" category (in detail in **Appendix 2-B**) groups, in 6 sub-categories (**Table 9**), IMAs addressing:

- Litter surveys Ops (on shoreline) including (i) standardised monitoring operations as part of an (inter)national programme, (ii) opportunistic observations, and (iii) research studies (e.g. to develop a methodology);
- Litter surveys Ops (at Sea) (similar as above);
- Litter Impact Assessment (similar as above);
- Support tool generally digital tools facilitating the observation and monitoring of litter (including the related operations of data transmission, storage, and visualisation): *database, webviewer, application, template, wiki, protocol, guide, etc.*);
- Specific equipment: devices and techniques developed to monitor waste (e.g. drone, buoy, etc.);
- Expeditions at sea: observation campaigns or simple monitoring using a boat (pleasure boat, cruise ship, oceanographic vessel, etc.).

Catégorie	Sous-catégories
Observation / Monitoring	Litter surveys Ops (on shoreline)
	Litter surveys Ops (at Sea)
	Litter Impact Assessment
	Support tool
	Specific equipment:
	Expeditions at sea

Table 9 – Sub-categories of the “Observation / Monitoring” category

Synthesis at the Atlantic Area scale

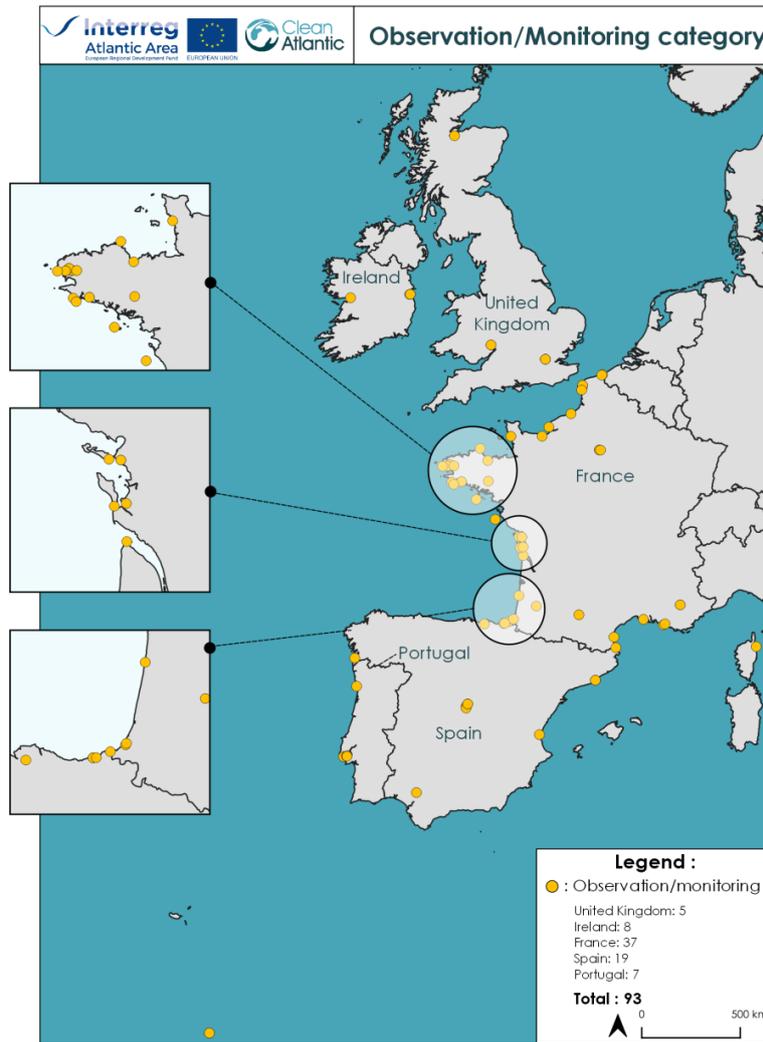


Figure 15 - Distribution of IMAs in the "Observation / Monitoring" category

At the scale of the AA, the "Observation/Monitoring" category is the third most represented, accounting for about a quarter of the total number of IMAs recorded (Figure 10 and 15). More than half of these relate to "Litter surveys Ops (on shoreline)" and about a quarter to "Support Tools", with "Litter surveys Ops (at sea)" in third place, with a low representation (Figure 16 and 17).

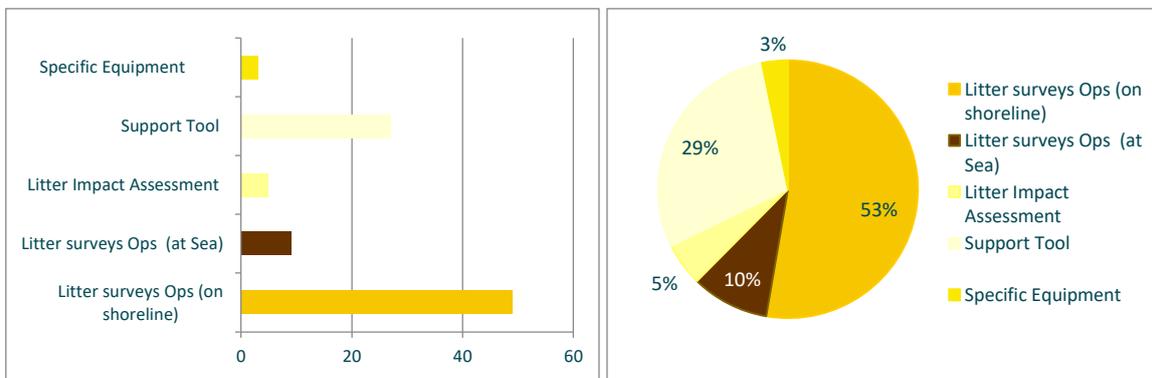


Figure 16 – "Observation/Monitoring" category: IMAs distribution by sub-category in AA (number and %)

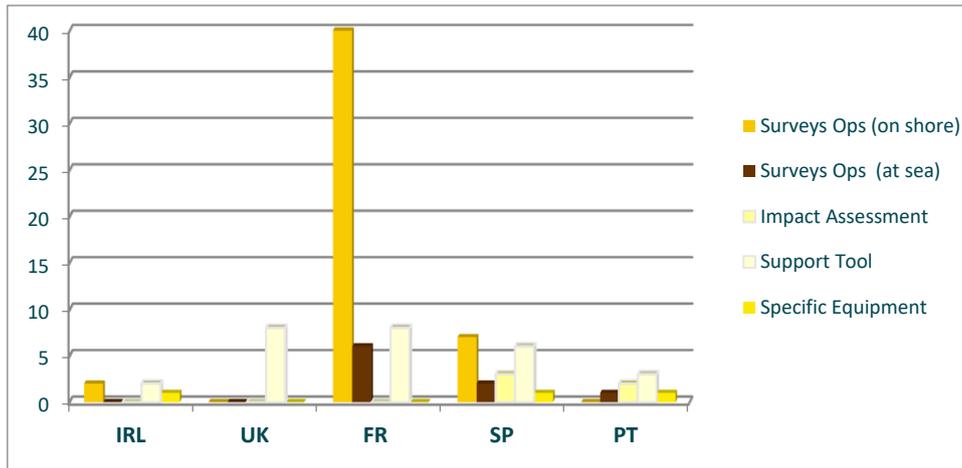


Figure 17 - “Observation / Monitoring” category: IMAs distribution by sub-category and country (number)

The most mentioned "Litter survey Ops (on shoreline)" are those carried out within the framework of an *(inter)national monitoring network* (Figure 18) - a rank, however, amplified by the inclusion in the inventory of all members of the French national network. There is far fewer "Litter survey Ops (at sea)". "Support tools", in second place, concern a wide range of digital tools (*apps, modelling, webviewer, database, models, etc.*) and paper tools (*guide*), and are present in all countries.

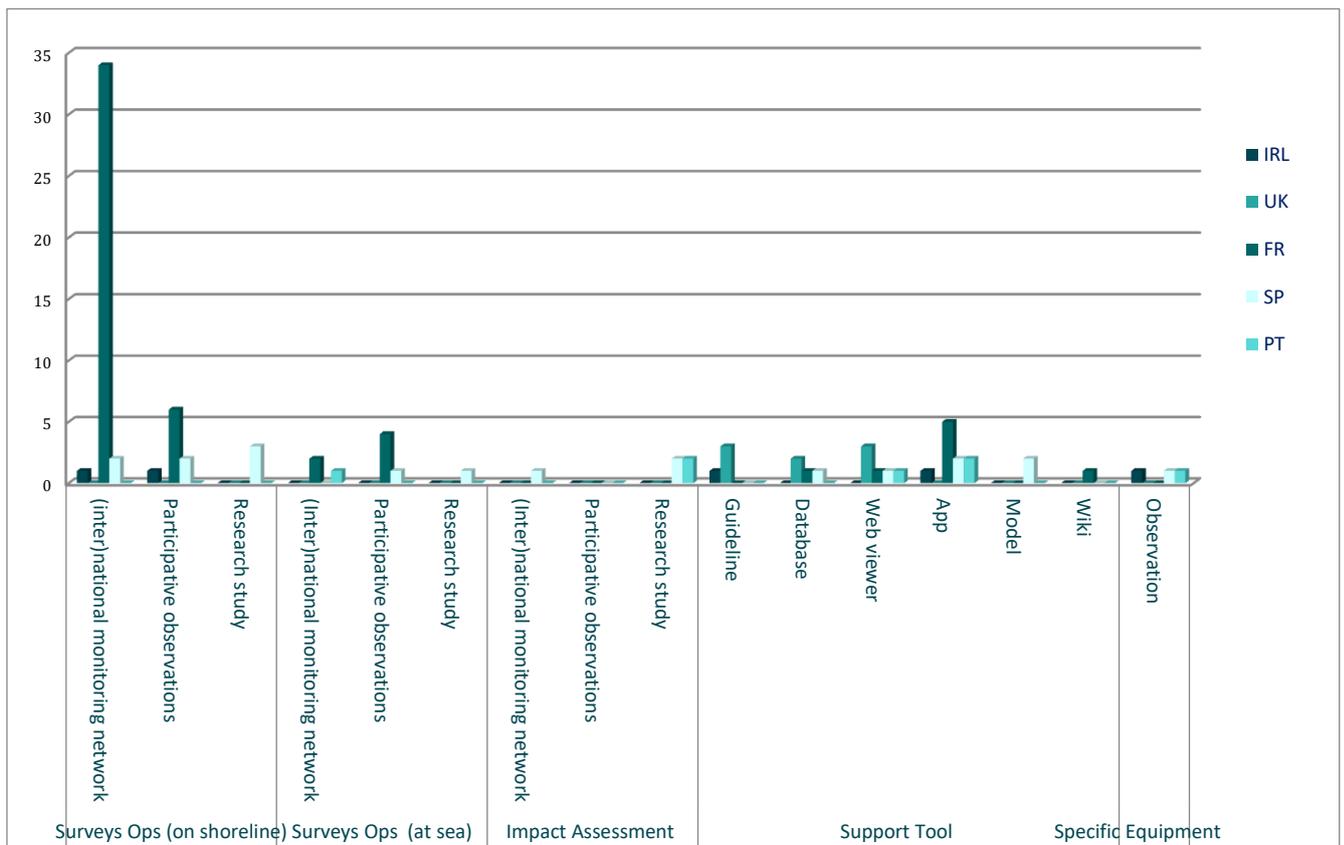


Figure 18 - “Survey / Monitoring” category: IMAs distribution by type and country (number)

Synthesis at national scale

- **Ireland:** The "Observation/Monitoring" category accounts for almost 30% of the IMAs recorded (**Figure 10**), but corresponds to very few IMAs (**Figures 17 and 18**);
- **UK:** the "Observation/Monitoring" category accounts for 22% of the IMAs recorded (**Figure 10**) but also concerns very few IMAs (**Figures 17 and 18**);
- **France:** The "Observation/Monitoring" category accounts for almost a third of the IMAs listed (**Figure 10**). By far the most mentioned sub-category is the "*National shoreline Monitoring Network*", followed by "*Participative observations*" on shoreline, and "*Support Tool*" (*applications, models, etc.*) (**Figures 17 and 18**);
- **Spain:** The "Observation/Monitoring" category represents almost 20% of the IMAs identified (**Figure 10**). The most mentioned sub-categories are "Research studies" relating to *litter monitoring on shoreline ad impact assessment* (**Figures 17 and 18**);
- **Portugal:** the "Observation/Monitoring" category represents only about 10% of the IMAs identified (**Figure 10**) and includes very few IMAs (**Figures 17 and 18**).

6. OVERVIEW OF THE CATEGORY « AWARENESS RAISING »

The "**Litter Awareness Raising**" category (in detail in **Appendix 2-C**) includes, in 3 sub-categories (**Table 10**), IMAs about:

- Events: including (i) *exhibitions* - including *artist exhibitions*, (ii) *sports performances*, (iii) *contest* (drawings, etc.), (iv) *scientific conferences*, (v) (*inter*)*national clean-up days*, and (vi) (*inter*)*national campaigns*;
- Education activities: including (i) *general awareness-raising actions* on field (beach, port, etc.) or *in a dedicated facility* (boat, etc.) aimed at the general public, as well as *conferences* and *training courses*, (ii) *targeted awareness-raising actions* aimed at a specific stakeholders (maritime professionals, sailors, schools, etc.), and (iii) *workshops* (crafts, art, training);
- Support Tool including: (i) *travelling exhibitions* (on marine litter in general or more thematic) (ii) *kits* (poster documents, turnkey workshop, etc.), (iii) *platforms* (for training, etc.); (iv) *games*, (v) *quizzes*, (vi) *tales*, (vii) *computer graphics*; (viii) *videos*; etc.

Category	Subcategories
Awareness raising	Event
	Education
	Support tool

Table 10 - Sub-categories of the "Awareness raising" category

Synthesis at the Atlantic Area scale

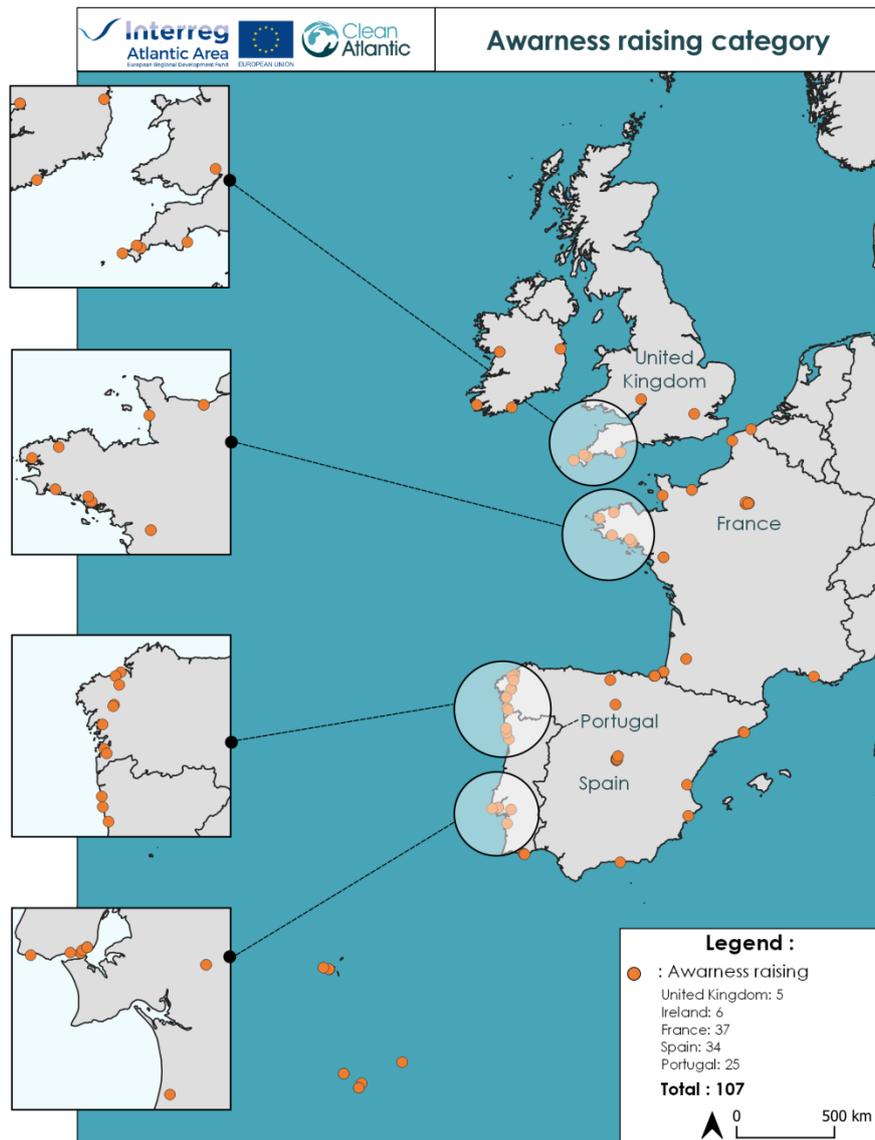


Figure 19 - Distribution of IMAs in the « Awareness raising » category

At the level of the AA, the "Awareness raising" category is the second most represented category, accounting for more than a quarter of the total number of IMAs recorded (**Figure 10 and 19**).

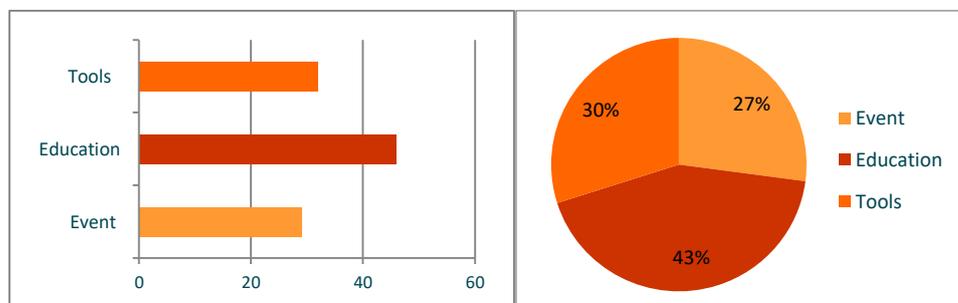


Figure 20 - "Awareness raising" category: IMAs distribution by sub-category in AA (total number and %)

These IMAs are distributed essentially, and almost equally (Figure 20), in the three sub-categories "Education", "Support tool" and "Event", with a slight advantage for the first (more than 45% compared to around a third for the other two).

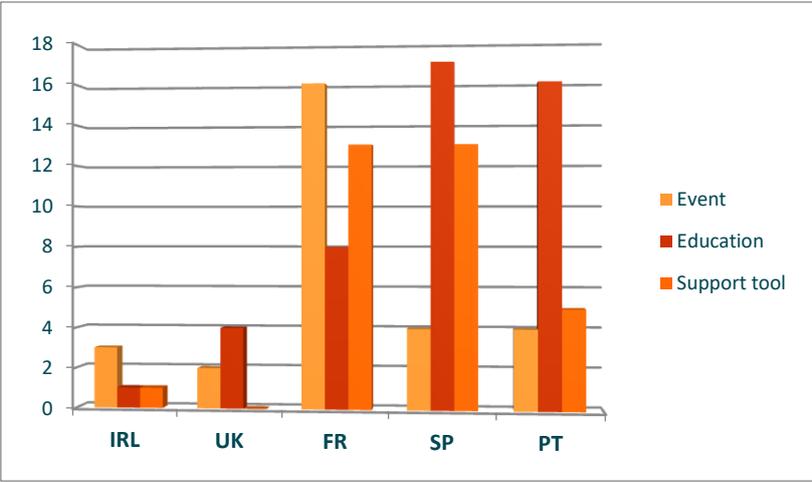


Figure 21 - "Awareness raising" category: IMAs distribution by sub-category and country (number)

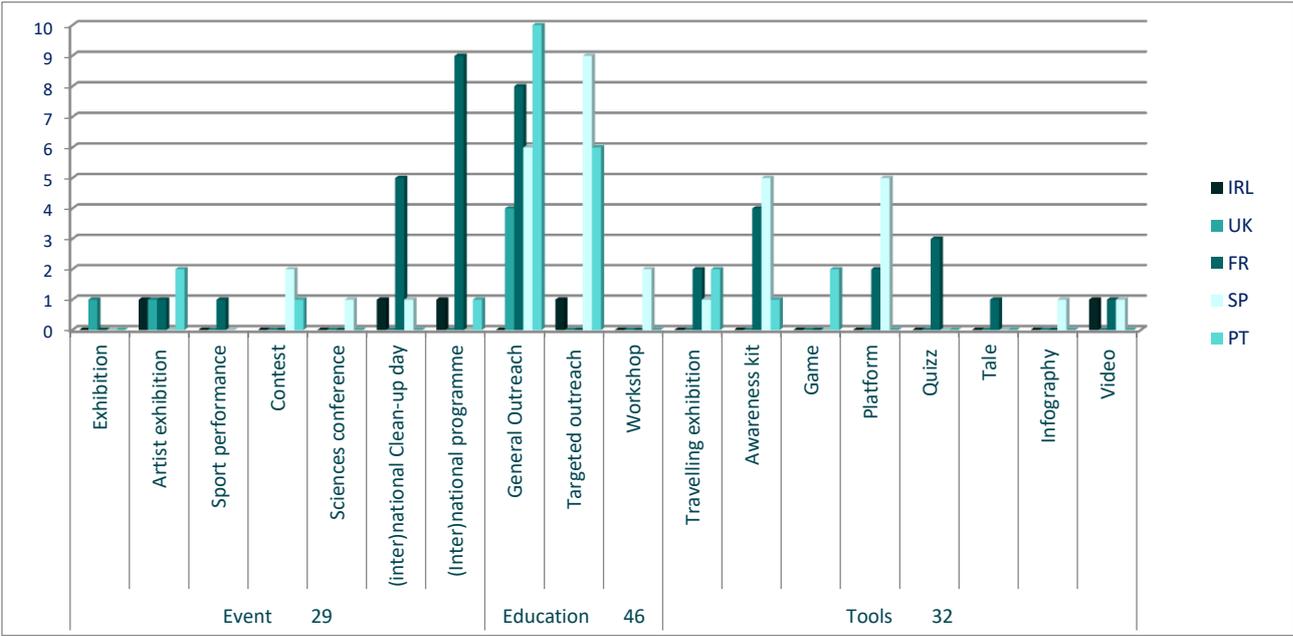


Figure 22- "Awareness raising" category: IMAs distribution by types and country (number)

Synthesis at national scale

- **Ireland:** The "Awareness raising" category accounts for almost a third of the IMAs listed (Figure 10), with an advantage for the "Event" category with a dedicated clean-up day, an exhibition and an international programme (Figures 21 and 22). All target the general public and schools;
- **UK:** IMAs in the "Awareness raising" category, which represent about one sixth of the IMAs identified (Figure 10), are divided into the 2 sub-categories "Education" (outreach on beach),

and "Events" (*artist exhibition and sports performance* (**Figures 21 and 22**). Their target is mainly the *general public and schools*;

- **France:** The "Awareness raising" category accounts for more than 20% of the IMAs identified (**Figure 10**). The two best represented sub-categories are "Events" (*clean-up day and (inter)national programme*) and various "Support tools" (**Figures 21 and 22**). The targets are mainly the *general public and schools*;
- **Spain:** The "Awareness raising" category accounts for more than a third of the IMAs identified (**Figure 10**). The IMAs are mainly divided into the subcategory "Education" (through *general and targeted outreach actions*) and "Support tool" (*kit, Quizz, Travelling exhibition*) (**Figures 21 and 22**). The targets are mainly the *general public and schools*;
- **Portugal:** The "Awareness raising" category accounts for more than a third of the IMAs identified (**Figure 10**). The sub-category "Education" (through *general and targeted outreach actions*) is the most represented (**Figures 21 and 22**). The IMAs target a variety of stakeholders.

7. OVERVIEW OF THE CATEGORY « CIRCULAR ECONOMY »

The "Litter Circular Economy" category (in detail in **Appendix 2-D**) includes, in 5 sub-categories (**Table 11**), IMAs about:

- The Organisation of the recovery chain corresponds to IMAs addressing the recovery of (i) *litter collected at sea* (all litter or particular items) and (ii) *used gear from sea-related professions* (mainly fishing and shellfish farming, but not only);
- The Organisation of the valorisation chain corresponds to IMAs facilitating the valorisation (reuse, etc.) of recovered litter: this may involve (i) *specific equipment* or (ii) *organisational actions*;
- The Recycling of collected litter refers to the actual recovery or transformation of the recovered marine litter into either (i) the *production of recycled plastic pellets* (r-pellets) or (ii) the *production of energy* (pyrolysis), etc.;
- The Use of recycled litter specifies the fate to the recycled plastics, namely (i) *incorporation into another material* (cement, asphalt, etc.), or (ii) once transformed into r-Pellets, the *production of consumer goods*: clothing, decoration, etc.;
- New product corresponds to the development or marketing of new materials (e.g. biobased polymers) likely to replace the synthetic polymers used in sea-related activities.

Category	Sub-categories
Circular economy	Organisation of the recovery chain
	Organisation of the valorisation chain
	Recycling of collected litter
	Use of recycled litter
	New product

Table 11 – Sub-categories of the "Circular economy" category

Synthesis at the Atlantic Area scale

At the scale of the 5 countries, the "Circular Economy" category is poorly represented: less than 10% of the total number of IMAs identified (Figure 7). The weight (%) of the "Circular Economy" category in the different countries varies between 0% (Ireland and Portugal) and 13% (Spain and France) (Figure 10 and 23).

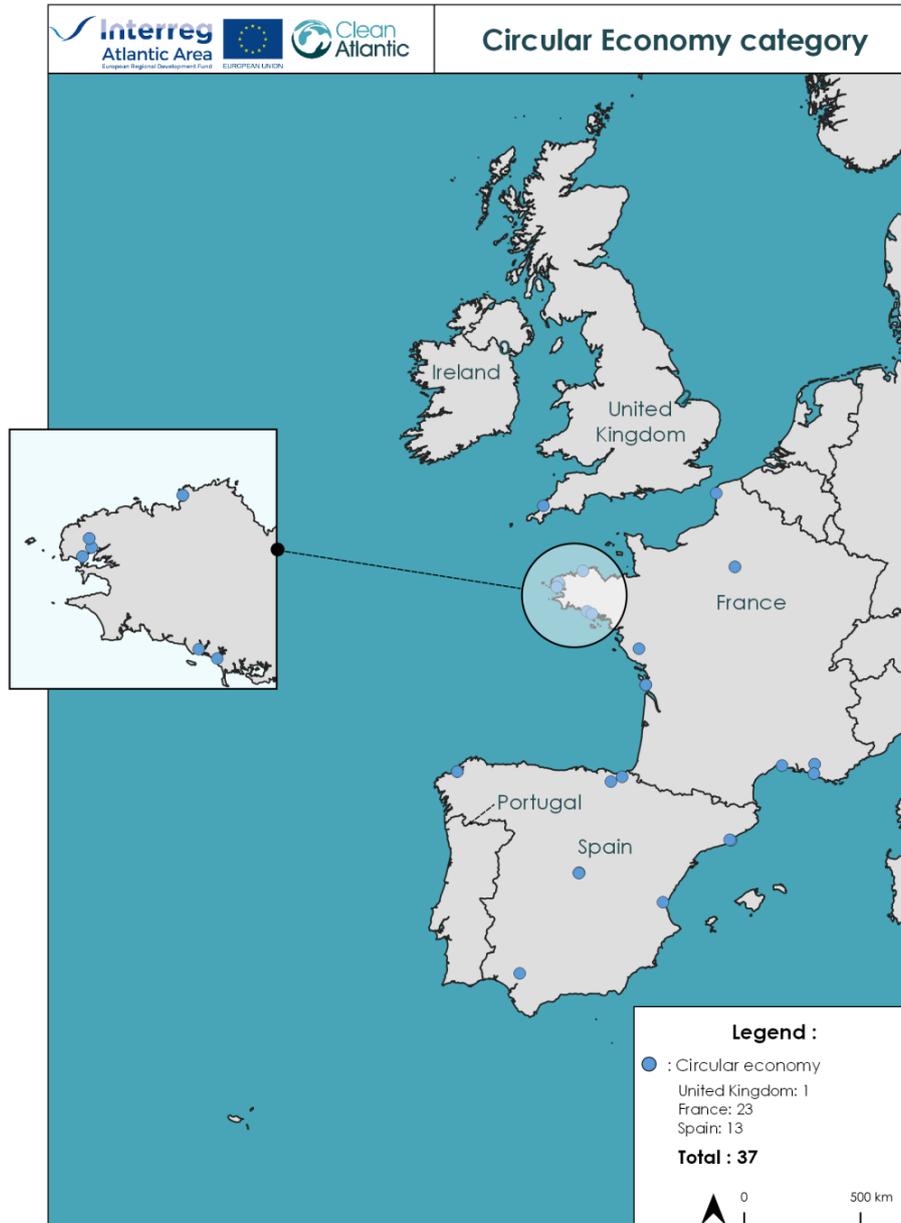


Figure 23 - Distribution of IMAs in the "Circular economy" category

The IMAs identified are mainly grouped in two sub-categories, each representing more than a third of the IMAs, "Organisation of the recovery chain", more specifically for *Used gear*, and "Use of recycled litter" (Figure 25 and 26).

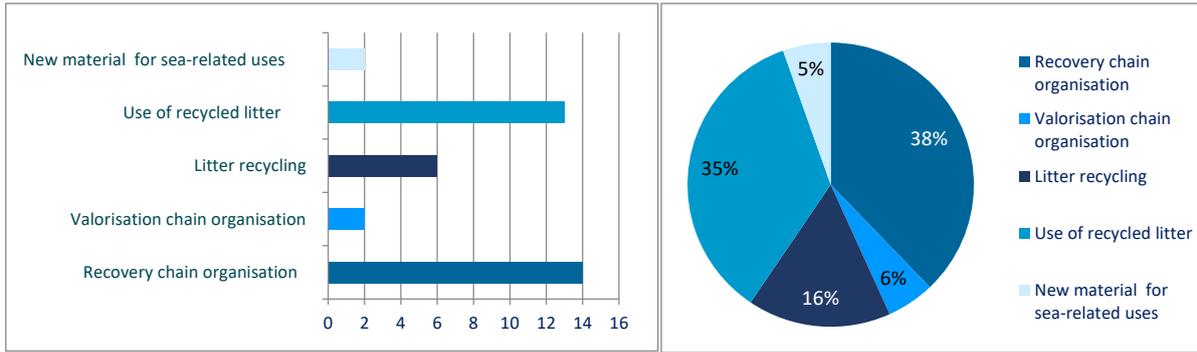


Figure 24- "Circular economy" category: IMAs distribution by sub-category in AA (total number and %)

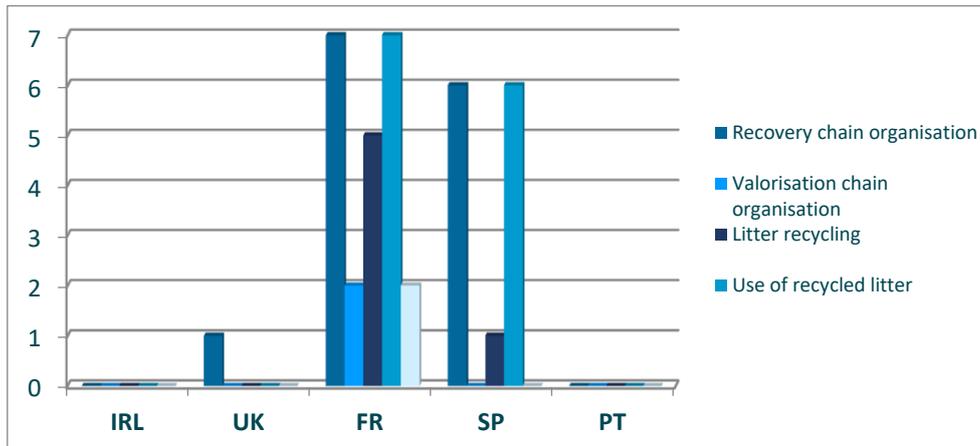


Figure 25- "Circular economy" category: IMAs distribution by sub-category and country (number)

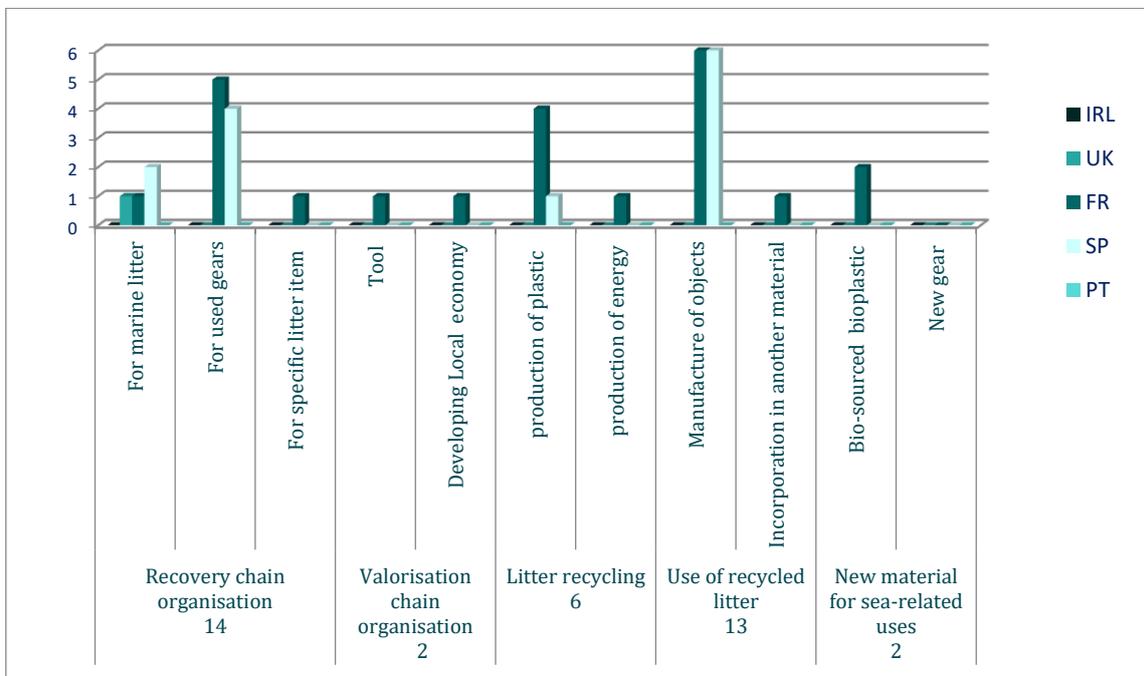


Figure 26- "Circular economy" category: IMAs distribution by types and country (number)

Synthesis at national scale

- **Ireland:** No IMAs were identified in the "Circular Economy" category (**Figure 10**);
- **United Kingdom:** the only IMA identified is on the "*Organisation of the recovery chain*" for marine litter in general (**Figure 24, 25 and 26**);
- **France:** The IMAs in the "Circular Economy" category, which concern more than 10% of the IMAs identified, cover all the sub-categories, but more particularly "*Organisation of the recovery chain*" (in particular *used gear* from fishing and shellfish farming) and "*New material*", in particular the development of *biobased plastic* (**Figure 24, 25 and 26**);
- **Spain:** the IMAs in the "Circular Economy" category, which concern more than 10% of the IMAs identified, concern more specifically 2 sub-categories : "*Use of recycled litter*" (especially the *Production of recycled plastic objects*" and "*Organisation of the recovery chain*" (especially for *used fishing gear*) (**Figure 24, 25 and 26**),
- **Portugal:** no IMAs were identified in this category (**Figure 10**).

8. OVERVIEW OF THE CATEGORY « POLICY »

The "**Litter Policy**" Category (detailed in **Annexe 3-E**), includes, in 4 sub-categories (**Table 12**) IMAs about:

- An Engagement action against litter, issued at least at national level on the initiative of a government, an international organisation, or an NGO, such as (i) *(inter)national mobilisation campaign*, or (ii) *Charter*, etc.;
- A Baseline document published at the (inter)national level by a government, an intergovernmental organisation, such as (i) *Plan*, (ii) *Roadmap*, (iii) *Guide*, (iv) *State of the Art*, etc.;
- A (inter)national Forum organised or set up at the (inter)national level, such as (i) *Forum* (working group, workshop, etc.) (ii) *Conference*, etc.;
- A Ban issued against a particular type of litter (e.g. balloons, etc.).

Category	Subcategories
Policy	Engagement
	Baseline document (inter)national
	Forum (inter)national
	Ban

Table 12 – Subcategories of the "Policy" category

Synthesis at the Atlantic Area scale



Figure 27 - Distribution of IMAs in the "Policy" category

At the level of the 5 countries, the "Policy" category is the least well represented: just over 5% of the IMAs recorded; however, the weight (%) of this category varies from country to country, ranging from 0% (Ireland) to 25% (UK), with three countries (France, Spain and Portugal) around 5% (**Figure 10 and 27**).

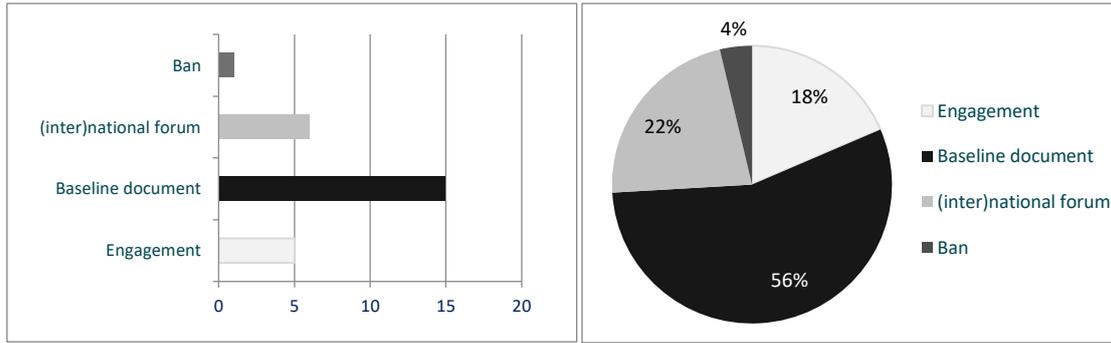


Figure 28 – “Policy” category: IMAs distribution by sub-category in AA (total number and %)

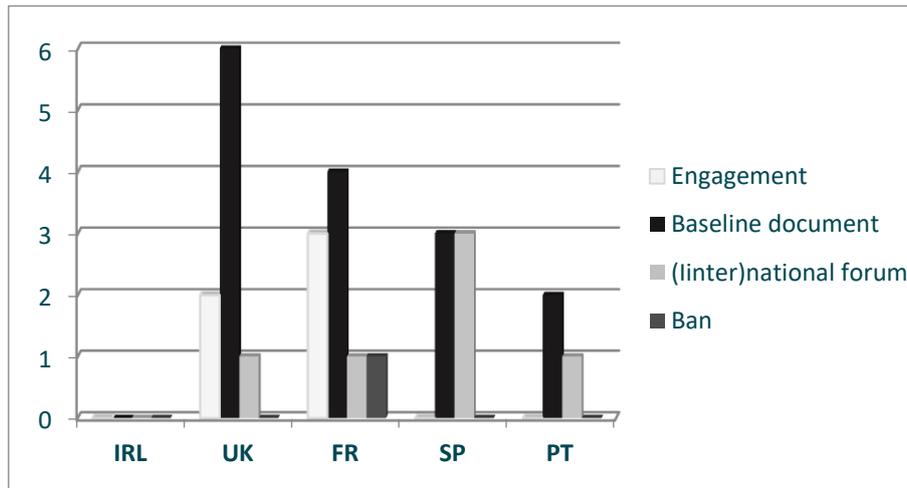


Figure 29- “Policy” category: IMAs distribution by sub-category and country (number)

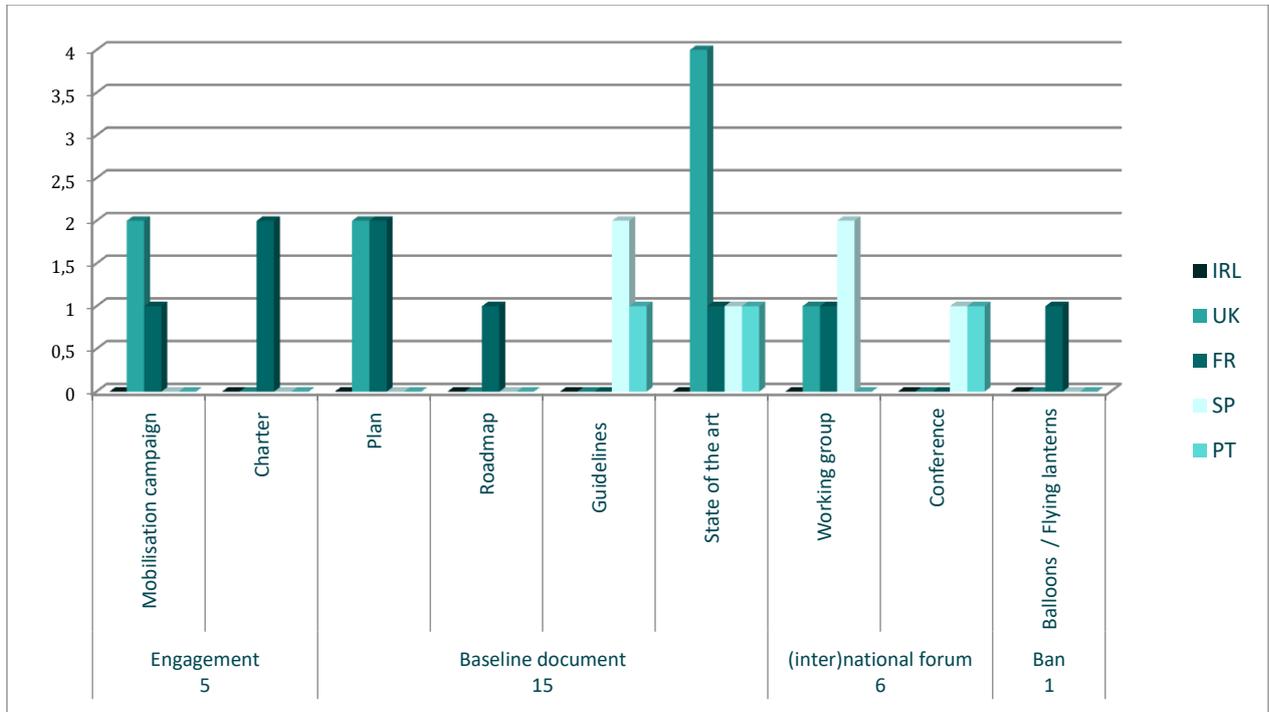


Figure 30 - “Policy” category: IMAs distribution by type and country (number)

More than half of the IMAs in this category concern "Baseline documents" such as (i) *state of the art*, (ii) *plans* (iii) *guides*, etc. This is followed by the sub-categories "Forums" and "Engagement", both at around 20% (Figures 26, 27 and 28).

Synthesis at national scale

- **Ireland:** No IMAs are listed in the "Policy" category (Figure 10);
- **United Kingdom:** the "Policy" category accounts for a quarter of the IMAs listed (Figure 10); the vast majority are "Baseline documents" and are mainly (8 out of 9) issued by two bodies: the Welsh Government (*Clean Seas Wales* programme) and, above all, the OSPAR Commission (based in London) (Figures 28, 29 and 30);
- **France:** about ten IMAs are also listed in France, mostly issued by the Ministry in charge of the environment, they concern "Baseline documents" (*plan, roadmap, state of the art*, etc.), "Forum" (national workshop, research group) and "Engagement" (*charters*) (Figures 28, 29 and 30);
- **Spain:** the IMAs in the "Policy" category are slightly less numerous, and are equally concerned with "Forum" (*national working group, international conference*) and "Baseline documents" (*Guides and State of the Art*) (Figures 28, 29 and 30).

9. SELECTION OF ORIGINAL OR INNOVATIVE IMAs

In addition to the statistical analysis, the study also aimed to identify the most original, innovative or unifying IMAs within this inventory which, if only implemented locally or in a single country, would deserve to be supported with a view to encouraging their geographical extension.

The following points emerge from this inventory of IMAs in the five AA countries:

- many IMAs have escaped the census;
- all of them are deserving because they have a beneficial effect on the marine environment and on the behaviour of many sea and shoreline users, whether they act on a very local or (inter)national scale;
- many have identical or very similar objectives and operating methods (e.g. citizen collection operations; awareness-raising actions or tools) and logically are repeated within the same country or in other countries;
- some, which were still original a few months ago, have become more common either because also widely used in areas other than litter (e.g. drones, application) or well appreciated as dedicated litter-tool such as the *litter tide bins* (an incentive equipment that encourages walkers and other beach users to pick-up litter they encounter on the shoreline and to put it a dedicated bin that is made available to them at the beach exit. This litter bin, which was first installed by a commune in southern Brittany in early 2010s, has been very successful in recent years and has become a common feature of the coastal landscape in France and beyond).

Some IMAs, however, stand out because of their originality, or at least have a particular feature (a theme or simply a target) that deserves to be mentioned here. A total of 22 original IMAs were selected in the present report. They are listed and briefly described by category and country below.

Original IMAs in the "Clean-up / recovery" category

Six IMAs stand out in this category (**Table 13**), three of which concern the collection of waste on the coast and three the recovery of waste at sea:

IMA	Presentation	Organisation in charge (or coordinator)
Litter Pick Pack	A guide for how to organise beach clean-up operations www.cleancornwall.org/content/documents/CleanCornwall-LitterPickPack.pdf	Clean Cornwall (UK)
Nettoyage différencié du littoral landais	A plan for the regular clean-up of a 100km-long shoreline of sensitive dunes (including recycling of recovered litter) www.landes.fr/le-littoral	Syndicat Mixte du littoral landais (France)
Guide Rivages propres	A guide for to carry out durable beachlitter clean-ups http://normandie.developpement-durable.gouv.fr/IMG/pdf/guide_rivage_propore.pdf	Région Normandie (France)
RepescaPlas	A <i>Fishing for litter</i> operation incl. litter characterisation www.programapleamar.es/proyectos/repescaplas-valorizacion-material-de-residuos-plasticos-recuperados-del-mar-1	Aimplas institute (Spain)
ReSeaclons	A <i>Fishing for litter</i> operation incl. litter recycling https://www.reseaclons.org/	Reseaclons (France)
Adopt a Dive site	A citizen collection of sunken litter by divers www.projectaware.org/adoptadivesite	Azul Diving Center (Portugal)

Table 13 - Original IMAs in the "Clean-up / recovery" category

- the tool **Litter Pick Pack** (UK) from *Clean Cornwall* is a guide to organising litter clean-up operations for NGOs (creating the event; inviting volunteers; lending equipment; insurance; reporting);
- Two IMAs, initiated by local authorities, which take a practical approach to beach cleaning, taking into account the sensitivity of the environment, the result of 20 to 30 years of practice :
 - the **Landes Shoreline Clean-up Plan**, coordinated by the *Syndicat mixte du littoral landais* (budget 1.8 M€/year from local authorities with support from the region), concerns the regular cleaning of more than 100 km of sandy dunes, combining mechanical collection (by a contractor) and manual collection (by social integration organisations) and including the recycling and recovery of all the litter collected (approximately 13,000 m³/year);
 - the **Rivages propres** guide, for the rational collection of beachlitter with techniques adapted to the sensitivity of the coastline according to a sectorisation of the shore, based on prior scientific studies of the biodiversity of the whole coast.

- Two projects concerning the *Fishing for litter* type operations which, in addition to the collection at sea by fishermen that they coordinate, have the originality of associating :
 - characterisation of the recovered litter to determine its sources: the **RepescaPlas** project (Spain), coordinated by the *Aimplas Institute*;
 - recycling of the collected litter by an industrial waste treatment partner with a recycling patent that accepts the mixing of different plastics: the **ReSeaclons** project (France), led by the *Reseaclons* association and the *Seaquarium* (Mediterranean sea).
- The **Adopt a Dive** site project (Portugal), run by the *Azul Diving Center*, invites amateur and professional divers to 'adopt' a dive site and remove the waste from it, in line with the Adopt a beach programme.

Original IMAs in the "Observation / Monitoring" category

Of the five IMAs selected (**Table 14**), four concern beach litter, and one concerns litter at sea.

IMA	Presentation	Organisation in charge (or coordinator)
SCRAPbook	Mapping of litter 'hot spots' on the coastline from aerial photographs www.scrapbook.org.uk/map/	Sky Watch (UK)
OceanPlastic Tracker	An open source web app for mapping shoreline litter www.oceanplastictracker.com	Ansel (France)
Wikidéchet	A glossary of beachlitter http://dechets-marins.ovh/	Sea Mer (France)
Trait Bleu	A network of <i>litter tide bins</i> for collecting and monitoring litter www.bacamaree.fr	TEO (France)
SOS#Redes	A participative ghost nets mapping http://sosredes.org/	Hombre y Territorio (Spain)

Table 14 - Original IMAs in the "Observation / Monitoring" category

- The **SCRAPbook** (*Scottish Coastal Rubbish Aerial Photography*) project (UK), which uses aerial photographs to map litter hot spots on the coast. The online mapping is based on aerial photographs taken from light aircraft (Sky Watch volunteer pilots), and then visually analysed by volunteers. The assembly provides an instant distribution of 'hot spots' on the coastline (short project, launched in 2018 and funded by UK Civil Air Patrol - Sky Watch, Moray Firth Partnership and Marine Conservation Society, then Marine Scotland);
- The open source web application **OceanPlastic Tracker** (France), constantly evolving thanks to the work of volunteer developers and co-administered by the *Ansel* and *Sea-Mer* NGOs. Dedicated to the monitoring of beach litter, it focuses on litter from maritime transport, particularly following the loss of containers at sea;
- The **Wikidéchet** (France) hosted on the website of the *Sea Mer* NGO is an online dictionary created in collaboration with the volunteer members of the *Atlantic Waste Stranding Observation Network*;

- The **Trait Bleu** project (France), led by the *TEO* cooperative, which, based on a network of *litter tidal bins* over an entire coastal sector, combines litter citizen collection and continuous litter monitoring and characterisation;
- The **SOS#Redes** project (Spain), led by the association *Hombre y Territorio*, targets ghost nets in the Alboran Sea. Its objective is to identify, characterise and locate abandoned nets. The association centralises the data collected, on a voluntary basis, by divers (amateur or professional): diving clubs, technicians, fishermen, etc.

Original IMAs in the "Awareness raising" category

The four IMAs selected (**Table 15**) cover a wide range of awareness-raising and education schemes and tools, aimed at various targets:

IMA	Presentation	Organisation in charge (or coordinator)
Explique le 7è continent	An education tool on-line http://www.septiemecontinent.com/lapplication-7e-continent-disponible-google-apple-store/	Expédition 7° Continent (France)
Aires marines éducatives	Pupils managing the shoreline environment (with a litter component) https://ofb.gouv.fr/les-aires-marines-educatives	Office français de la biodiversité (France)
Guardias do Mar	Awareness raising by fishermen's wives of a fishing community www.ocean-alive.org/guardias-do-mar	Ocean Alive (Portugal)
Ocean of Plastics	Popularisation of scientific research results http://oceansofplastics.campusdomar.gal/recursos/	University of Vigo (Espagne)

Table 15 - Original IMAs in the "Awareness raising" category

- The interactive platform **Explique le 7è continent** (France), from the Expédition 7° Continent NGO, is an online educational tool to raise public awareness of ocean plastic pollution (origin, uses, fate, etc.);
- The participatory **Marine Education Areas** scheme (France), supported by the "*Office français de la biodiversité (OFB)*", aims to create marine protected areas by young children. This scheme is built around a primary school class and a coastal site. Supervised by a scientific facilitator (an individual expert or an association), the class learns about the environment, makes a diagnosis of the site; then a pupils' council proposes protection actions to the local actors (MEAs often take marine litter into consideration, and for which an adapted litter monitoring protocol exists).
- The **Guardias do Mar** project (Portugal), supported by the *Ocean Alive* NGO, raises awareness among the women of the fishing community of the Sado estuary about the challenges of environmentally friendly fishing, particularly in terms of litter. The training offered to the women also enables them to join educational programmes by becoming Sea Guides.

- The **Ocean of Plastics** project (Spain) is a science outreach project of the University of Vigo to provide the general public with access to and understanding of the results of research on plastics and microplastics and their impact on the marine environment, particularly through the use of graphic and animation resources.

Original IMAs in the "Circular economy" category

Three IMAs have been selected (**Table 16**) for the recycling of used gear from shellfish farming (the first) and fishing (the other two):

IMA	Presentation	Organisation in charge (or coordinator)
Terre-Mer Chantier	Recovery and recycling of oyster bags http://www.naviculebleue.com/terre-mer-chantiers/	La Navicule Bleue (France)
Orlegi Sarea	Recovery and recycling of used fishing nets http://reciclajesavi.es/reciclar-redes-de-pesca-para-convertirlas-en-material-textil/	Eko-Rec (Spain)
Fil & Fab	Recovery and recycling of used fishing nets https://fil-et-fab.fr/	Fil & Fab (France)
3R Fish	Integrated management for the recovery and recycling of fishing waste (EPS (expanded polystyrene), batteries, used nets) in port http://knowledgetool.cleanatlantic.eu/projects/125	CETMAR (Spain)

Table 16: Original IMAs in the "Circular economy" category

- The **Terre-Mer Chantier** project (France), run by the NGO *La Navicule Bleue*, organises reinsertion work camps focused on the recovery and sorting of used shellfish farming gear in order to recycle it;
- The **Orlegi Sarea** project (Spain), led by the organisation *Eko-Rec*, recovers used fishing nets, in partnership with various ports, which are transformed into granules that can be used to manufacture new objects;
- The start-up **Fil & Fab** (France) recycles used fishing nets (production of r-pellets); it integrates the entire chain from recovery in ports to the design and manufacture of objects;
- The **3R Fish** project (Spain), a LIFE+ project coordinated by *CETMAR*, has defined an integrated management model for the recovery and recycling of 3 types of solid fishing and port waste (fishing nets, EPS fish boxes, and batteries) so as to prevent them from being thrown back into the sea during fishing operations.

Original IMAs in the "Policy" category

The three IMAs selected (**Table 17**) in the field of marine litter "policy" (**Table 15**) are led by three different key actors: fisheries professionals, researchers and a national agency.

IMA	Presentation	Organisation in charge (or coordinator)
Estrategia nacional del sector pesquero para la reducción de basuras marinas	A strategy document from the fisheries professionals https://cepesca.es/proyectos_cepesca/proyecto-estrategia-sectorial-de-cepesca-para-la-contribucion-del-sector-pesquero-a-la-reduccion-de-basuras-marinas/	CEPESCA (Spain)
Red BAMAR	Spanish research groups http://redbasurasmarrinas.net	University de Barcelone (Spain)
La lutte contre la pollution plastique en milieu marin	National state of the art to help local decision makers implement measures https://www.ademe.fr/lutte-contre-pollution-plastique-milieu-marin	ADEME (France)

Table 17 - Original IMAs in the “Policy” category

They each propose a different tool: a strategy document for the fisheries sector, a forum for research collaboration and a national State of the Art:

- The **Estrategia nacional del sector pesquero para la reducción de basuras marinas** supported by Cepesca (Confederación Española de Pesca Spanish Confederation of Fisheries);
- The **Red BAMAR** forum (Spain), coordinated by the University of Barcelona, is a national transdisciplinary network of 10 groups of researchers working on marine litter in order to optimise ongoing studies and resources and plan joint actions, and identify priorities;
- The state of the art **La lutte contre la pollution plastique en milieu marin** (France), is a national summary document written by ADEME (French agency for ecological transition) which gives an overview of the state of play of marine litter in France (regulatory texts; environmental, social and economic issues; initiatives and actors involved) and provides local authorities and public actors with the knowledge to initiate local fight plans.

10. INTERACTIVE PLATFORM

An interactive online platform has been developed to showcase and facilitate dissemination of IMAs identified in the Atlantic Area.

Accessible on the CleanAtlantic project website (<http://www.cleanatlantic.eu/fr/>), the platform includes the inventory of IMAs mentioned in this report (i.e. identified at the end of 2020) as well as others identified in 2021.

A description of the platform is presented below.

Accessibility:

The CleanAtlantic initiative database can be accessed by anyone without the need for identification at the following address: <http://www.argepol.com/cleanatlantic-initiative-database/>

It will also be accessible from the CleanAtlantic website, on the following page: <http://www.cleanatlantic.eu/fr/>

It was decided to use the domain name 'argepol.com', which is already used by Cedre for the publication of all its online mapping platforms. For information, ArGePol stands for Pollution Data Archiving and Management.

Development tool:

The CleanAtlantic initiative database platform was developed using the GIS editing tool GEO Generateur v.1.19 offered by Business Geografic (<https://www.business-geografic.com/en/company/who-we-are.html>), a business unit of Ciril GROUP.

10.1 User guide

The platform main page is organized into four main sections: the header banner (1), the left side panel (2), the right side panel (3) and the map (4) (Figure 31), which are described below.

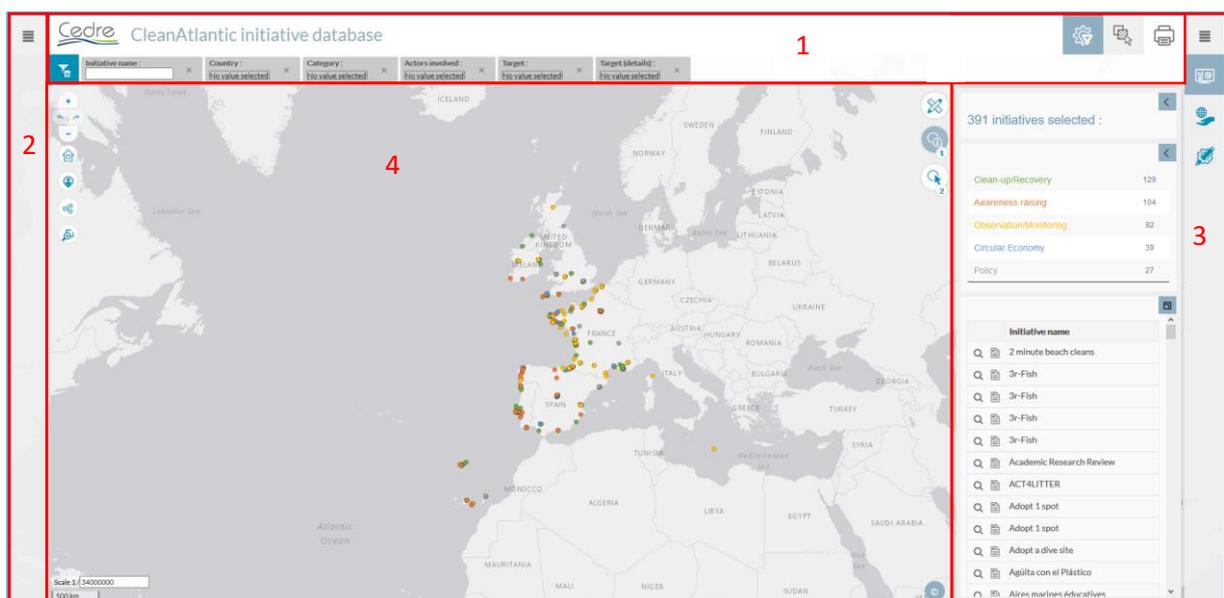


Figure 31 – Cleanatlantic database template: Header banner (1), the left side panel (2), the right side panel (3) and the map (4).

- **Header banner (1) (Figure 31): logo, title, filter tool, selection map and print module**

- **Filter tool**



Opening at start-up, this tool allows the user to choose the initiatives to be displayed according to one or more criteria: initiative name, country, category, actors involved, target (type) and target (details). Using these filters will result in the selection of initiatives visible on the map and in the dashboard.

For the first criterion, a suggestion will be proposed after the user has input a few characters. For the others, the user chooses from a list of suggestions. To select several values from the same list, the user has to press and hold the ctrl key.

The filters are interrelated, *i.e.* the selection of values in one of them will result in change in the values available in the others.

To remove the selection of a criterion, the user can use the cross. If the user wants to delete the entire selection, he can use the 'Delete all' button on the left.

- **Selection map** 

When objects are selected, they are added to a virtual map with an icon showing the number of objects selected. To display it, the user clicks on the selection map icon. On each layer name, the user can see the number of objects selected in the layer, deselect objects, zoom on the selected objects and save the selection

- **Print module** 

The user can print as a pdf, as an image or with the browser.

- **Left side panel (2) (Figure 31): not used**
- **Right side panel (3) (Figure 31) : dashboard, map, edition, search results**

- **Dashboard** 

Opening at start-up, the dashboard is directly linked to the filters and provides the total number, the number per category and the list of initiatives matching the selected criteria.

From the dashboard, the user can access the information sheets of the initiatives by clicking on the  icon (Figure 32).

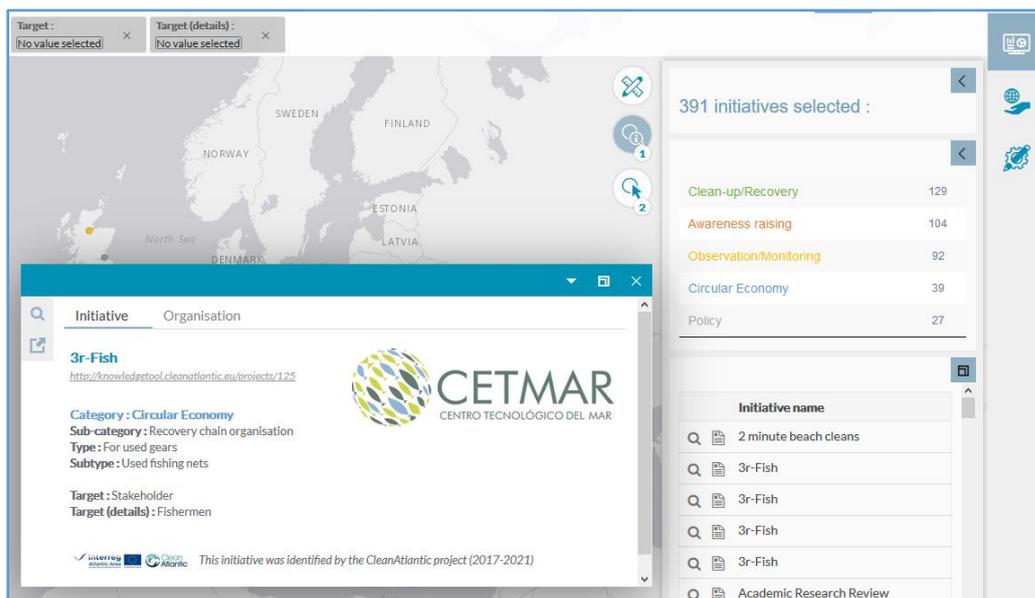


Figure 32 – Dashboard of the interactive platform

- **Map** 

It allows to view all the map layers and manage the visibility. For example, the user can uncheck the ESRI Grey basemap to display the OpenStreetMap basemap.

- **Edition** 

The editing panel is split in two parts: Layer management and Advanced settings.

- Layer management. In the 'Layers to edit' section, the user can select the layer to edit, create a new drawing layer, zoom on the extent of the selected layer, edit the name of a drawing layer and delete a drawing layer.
- Advanced parameters. The user can define the behaviour of the editing tool.

- **Search Results** 

The results tab displays all the results returned by a search by click. The right side panel contains a toolbar which allows the user to focus the map on all the results or a selection by clicking on the  button. The  button, available in the toolbar and for each result in the list, can be used to add objects from the results list to the current selection. The information sheets are also available from this results tab.

- **The Map (4) (Figure 31)**

- **Map symbols**

As indicated in the legend and in the dashboard, the colours are associated with an initiative category.

- **Left side buttons**

On the left side of the map, the user will be able to use the following tools (**Figure 33**):

- Zoom in
- Previous view / Next view
- Zoom out
- Back to home
- Location of the user on the map
- Share link
- Zoom by rectangle



Figure 33 – Left side buttons

- **Right side buttons**

On the right side of the map, there are three important buttons for the effective use of the platform (**Figure 34**):

- Drawing toolbar (shortkey : press e)
- Query tool (shortkey : press i)
- Selection tool (shortkey : press s)



Figure 34 - Right side buttons

- Drawing toolbar (**Figure 35**). The drawing toolbar allows the user to add points, lines, polygons, topological polygons, rectangles, circles, arrows and text. In addition, there are a button to configure the style of the drawing layer and two buttons to measure distance and surface area.



Figure 35 – Drawing toolbar

- Query tool (**Figure 36**). It allows searching tool by clicking on the map. It is possible to search from dot, circle, line, rectangle, polygon or lasso and to restrict the search to the selection. Using this tool will open the search results panel.

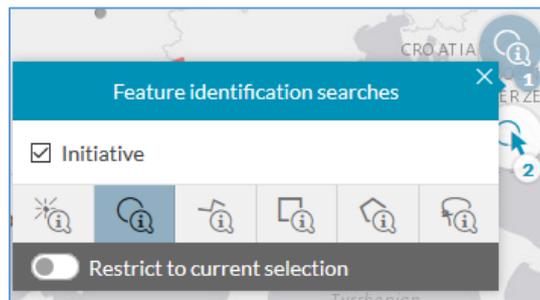


Figure 36 – Query tool

- Selection tool (**Figure 37**). It allows selecting features from the initiatives layer and/or the drawing layers by a dot, a circle, a line, a rectangle, a polygon or free hand.

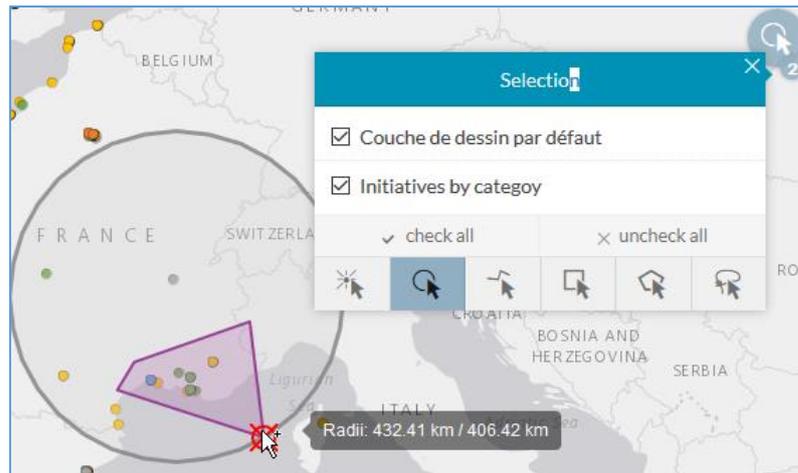


Figure 37 – Selection tool

- Selection tool + drawing tool to make a change to the added objects: modify the nodes, move to the background, bring to the foreground, delete, edit style, annotate, display quotation and create a buffer (**Figure 38**).

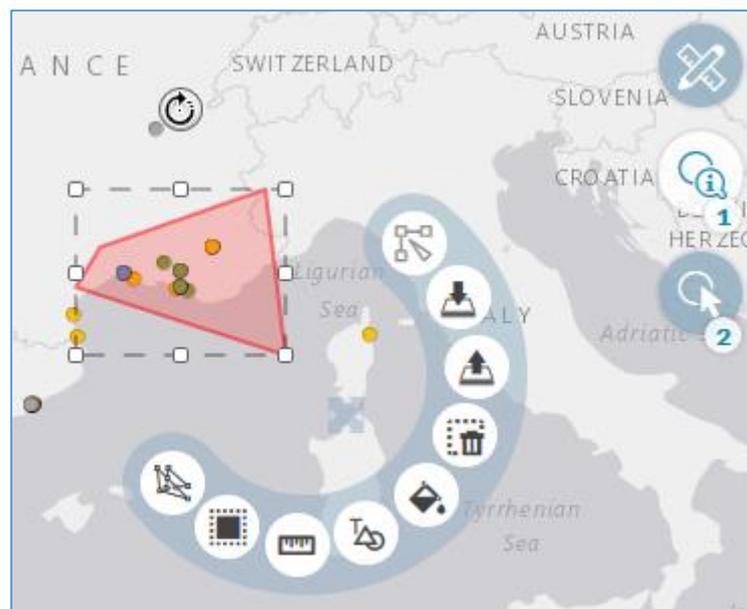


Figure 38 – Selection tool + drawing tool

10.2 IMA valorisation

As explained above, the proposed interface lists all the IMAs identified in the project according to the locations filled in the questionnaire. The IMAs are represented as points with a color code defined according to the type of category to which the IMA belongs (Clean-up/Recovery; Awareness raising; Observation/Monitoring; Circular economy; Policy). On the right section, a dashboard summarizes the total number of IMAs, the number of IMAs per category as well as the name of all the initiatives.

The platform allows specific searches on the IMAs. Several entries are possible (Initiative name / Country / Category / Stakeholder / Type of target (type) / Target (detail)).

Beyond the inventory work, additional information on each IMA and corresponding organization is available on the interactive platform. Indeed, for each IMA, a window composed of two parts (the first part concerning the IMA, the second the organization) is filled in with the following information (**Figure 39**):

Information sheet of the IMA (Figure 39 (1))

- Initiative name
- Address of the initiative's website
- Category
- Sub-category
- Type
- Sub-type
- Target (type)
- Target (detail)
- The initiative's logo

Information sheet of the organisation (Figure 39 (2))

- Organisation name
- Organisation's website
- Organisation status

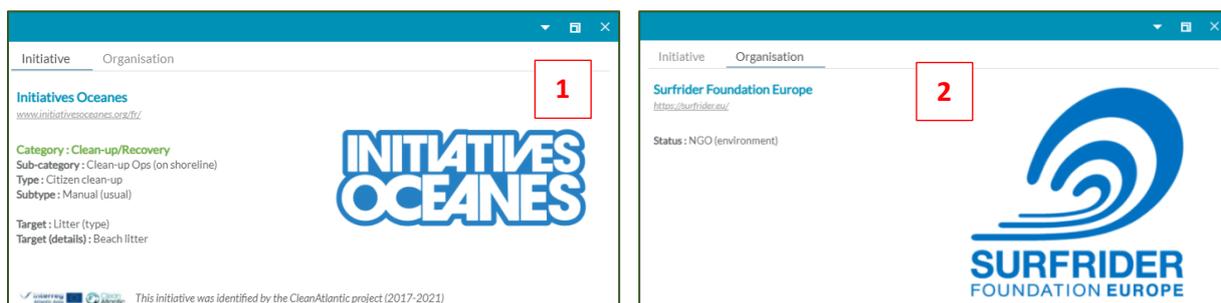


Figure 39- Information sheet of the IMA (1) and of the Organisation (2)

Nota Bene: Not all IMA have a logo and a specific website. When this is the case, the choice has been made to duplicate the organisation logo and/or the organisation website which allows the platform user to refer to the organization (in case the organization section is not visited).

This enhancement tool has the double advantage of being:

- A tool for searching and selecting IMAs through various queries to select IMAs, individually or by (sub) category, or a carrier structure, or by country, etc.;
- A tool for updating the inventory.

APPENDICES

A1 – Online Survey Questionnaire

A2 – Comprehensive IMAs Classification

A3 – IMA inventories by country

Online Survey Questionnaire A1

CleanAtlantic Survey – Questionnaire for identifying stakeholders and initiatives tackling marine litter in the Atlantic Area

STAKEHOLDERS TARGETED (QUESTIONNAIRE)

- Authorities: national, regional, local
- Aquaculture & fishing sector
- Shipping and ports
- Marine protected areas
- NGOs
- Education

Welcome!

Thank you for taking the time to engage with this survey and assist with our research looking at best practices for dealing with marine litter.

This survey is distributed on behalf of the EU Interreg Atlantic Area funded project “CleanAtlantic” which seeks to address the marine litter problem by improving data management, monitoring, modelling, mapping, collection and removal in the North-East Atlantic area.

The purpose of this survey is to list past and present key litter initiatives, actions or measures in the five Atlantic countries involved, i.e. Ireland, UK, France, Spain and Portugal. This is an opportunity for you to make your litter experience known and shared within the European Atlantic Area.

Thank you (in advance) for your time.

Personal Data Privacy Policy to comply with the requirements of the General Data Protection Regulation (GDPR).

Here after are explained the reason for the processing, the way we collect, handle and ensure protection of all personal data provided, how that information is used and what rights you may exercise in relation to your data (the right to access, rectify, block etc.). Please note that:

- Data are collected in the framework of the EU-funded project CleanAtlantic;
- The purpose of the survey is mentioned above;
- Stakeholders contributions to the present survey are on a voluntary basis;
- Opt-out option: contributions received from this survey will be used for research purposes. **Please indicate below if you want your contribution to remain anonymous.**
- Cedre (www.cedre.fr), as action leader of the CleanAtlantic project, is in charge of the survey;
- The survey will be carried out by Cedre (France, loic.kerambrun@cedre.fr) with contribution from one national partner or NP in Ireland, UK, Spain and Portugal aiming at (i) launching the questionnaire at national level towards national stakeholders, (ii) translating part of their answers and (iii) support partial analysis. NPs for UK and Ireland are as follows: DHPLG (Ireland, msfd@housing.gov.ie), Cefas (UK, josie.russell@cefas.co.uk).
- Each NP will provide a link for the questionnaire to ‘its’ national stakeholders. Each NP will respectively have access to data coming from ‘its’ national stakeholders;

- Data will be stored in the UK (on a dedicated LimeSurvey server) and will be managed from France by Cedre;
- All personal data (name, contacts) will be stored during the lifetime of the project;
- All personal data will be deleted one year after the last action in relation to the consultation;
- As a stakeholder, you are entitled to access your personal data and rectify, block or delete them in case the data is inaccurate or incomplete. You can exercise your rights by contacting Cedre (survey@cedre.fr).

*** (i.e. mandatory)**

Choose one of the following answers:

- I give permission for my contribution to be published with my personal information: I consent to the publication of all information in my contribution in whole or in part including my name or my organisation's name. I declare that nothing within my response is unlawful or would infringe the rights of any third party in a manner that would prevent publication.
- My contribution can be published provided that I remain anonymous: I consent the publication of any information in my contribution in whole or in part (which may include quotes or opinions I express) provided that it is done anonymously. I declare that nothing within my response is unlawful or would infringe the rights of any third party in a manner that would prevent publication.

QUESTIONNAIRE

1. Stakeholder ID

In what capacity are you responding to this survey? * (i.e. mandatory)

Choose one of the following answers:

- Individual
- Organisation/group

Name of your organisation/group: _____ *

Which category best describes your organisation/group? *

Choose one of the following answers:

- Associations (e.g. fishermen associations, local community associations,...)
- Authority / Government
- Education / training centre
- NGOs
- Private sector
- Research centre
- Other - please specify: _____

At which scale do you operate? *

Choose one of the following answers:

- International
- European
- National
- Regional
- Local

Contact details (if you agree that we can contact you to discuss further details):

- Name: _____
- Address: _____
- E-mail: _____
- Phone: _____

Main activity of the organisation/group*

Choose one of the following answers:

- Aquaculture
- Awareness raising
- Circular economy (Re-use, Recovery, Recycling)
- Education
- Fishing
- Food retailing
- Industry (manufacturing)
- Litter collection / monitoring
- Protected natural site management
- Policy / regulation
- Port
- Research
- Shipping
- Snack bars & Takeaways
- Tourism & Recreational
- Waste management (collection, reduction, disposal)
- Wastewater treatment
- Other - please specify: _____

2. Initiatives, actions or measures you were/are directly involved in

Have you been or are you involved in any initiatives/actions/measures tackling marine litter? *

Choose one of the following answers:

- No (*Skip to section 3*)
- Yes

2.1. Describe your INITIATIVE / ACTION / MEASURE N°1

Name of initiative/action/measure: _____*

Is this initiative / action / measure in progress or completed? *

- In progress
- Completed

Which category best describes your initiative/action/measure? *

Choose one of the following answers:

- Regulation
- Eco labelling/ Accreditation system
- Outreach / Education
- Litter collection
- Prevention
- Circular economy
- Research & Innovation
- Other - please specify: _____

Main litter being targeted: *

Choose one of the following answers:

- Floating litter
- Beach litter
- Sunken litter (seafloor)
- Litter in general
- Other – please specify: _____

Geographical area

Where did you tackle or are you currently tackling litter? (see maps below)

In case of large extent or multiple locations of action, please report area number(s) (see map).

Check all that apply

- 1
- 2
- 3
- etc



(Source: FAO map 27 & 34 – area number modified)

Where there were/are local actions, please report GPS site coordinates (in decimal degrees) or drop the pin to the desired location (see interactive map below).

Please zoom in to maximum before dropping the pin.

Coordinates _____



Description of initiative/action/measure n°1 :*

- Main objective: _____

Any relevant document concerning your initiative/action/measure can be uploaded at the end of the survey (see 4.)

- Website: _____
- Time framework/frequency: _____
- Funding (i) source: _____
- Funding (ii) Amount in € (specify unit: /Y, Total...): _____
- Main stakeholders involved: _____
- Main results: _____

- Limitations: _____
Any other relevant information: _____
Have you been or are you currently involved in another initiative / action/ measure? *

Choose one of the following answers: No / Yes

2.2. Describe your INITIATIVE / ACTION / MEASURE N°2 (etc)

3. Other initiatives/actions/measures for tackling litter which you were/are not involved in but that you would like to tell us about.

Are you aware of such actions? *

Choose one of the following answers:

- No
- Yes

3.1. Description of INITIATIVE / ACTION / MEASURE N°1 (which you were/are not involved in) ID / Contact (1/2) *

- Name of initiative/action/measure: _____
- Name of organisation in charge: _____

ID / Contact (2/2)

- Website: _____

Which category best describes this initiative/action/measure? *

Choose one of the following answers:

- Regulation
- Eco labelling/ Accreditation system
- Outreach / Education
- Litter collection
- Prevention
- Circular economy
- Research & Innovation
- Other - please specify: _____

Main litter being targeted: *

Choose one of the following answers:

- Floating litter
- Beach litter
- Sunken litter (seafloor)
- Litter in general
- Other – please specify: _____

Any other relevant information: _____

Are you aware of another present or past initiative/action/measure? *

Choose one of the following answers:

- No
- Yes

3.2. Description of INITIATIVE / ACTION / MEASURE N°2 (which you were/are not involved in) etc

4. Document(s) to upload

If you wish to send us relevant documents (leaflets, infographics, reports...) about initiative(s)/action(s)/measure(s) then files can be uploaded online below or sent by email to survey@cedre.fr.

Upload

Thank you very much for participating in our marine litter survey!

A. LITTER CLEAN-UP / RECOVERY category		
Sub-category	Type	Sub-Type
Clean-up operations (on shoreline)	Citizen clean-up	Manual (usual)
		By using kayak
		By using paddle
	Professional clean-up	Manual (usual)
Mechanical + manual		
Clean-up operations (in port)	Professional clean-up	Manual (tool)
		Mechanical
	Citizen clean-up	Manual (tool)
Clean-up operations (at-sea)	Fishing for litter	
	From dedicated vessel	
	By diving	Scuba diving
		Snorkelling
Specific Equipment	Beach clean-up	Manual tool
	Containment	Floating barrier
	At-sea recovery	Recovery barge
	On-board storage	Litter compactor
Support tool	Guideline	Shoreline clean-up
		Organisation of a Beach Clean-up
	App	Beach clean-up organisations list
		Location of Beach clean-up sites
	Web viewer	Beach clean-up organisations list
Location of Beach clean-up sites		
Incentive scheme	Signage tool	Plague / tag
	Equipment	Litter Tide tank
		Belt bag
		Floating bin
		Beach bin
		Litter bucket

The “Litter Clean-up / Recovery” category includes, in 6 sub-categories, IMAs about:

- Clean-up operations (on shoreline): including (i) "citizen clean-up" (i.e. manual operations carried out by NGOs, individuals, etc. on foot or using paddle, kayak, etc. and (ii) "professional clean-up" (i.e. manual or mechanical operations carried out by the municipalities or a contractor);
- Clean-up operations (port): operations targeting more particularly floating litter, carried out manually or mechanically (specific equipment: barge, skimmer, etc.); the difference is also made here between "citizen collection" and "professional clean-up";
- Clean-up operations (at sea): collection of floating and sunken litter during (i) accidental catches (in nets by fishermen: *Fishing for Litter* type operations), (ii) active collection: using specific means (boats, trawls, etc.) or (iii) diving (scuba or snorkelling);
- Support tool: generally digital tools facilitating cleaning and collection operations: *platform, applications, web viewer, guide, etc.* ;
- Specific Equipment: machines and tools specifically developed for cleaning or collection;
- Incentive scheme: devices that limit litter: *litter tide bins, floating bins, nets, etc.*

B. LITTER OBSERVATION / MONITORING category		
<i>Sub-category</i>	<i>Type</i>	<i>Sub-Type</i>
Litter surveys Ops (on shoreline)	(Inter)national monitoring network	Standardized protocole
		OSPAR/MSFD protocole
		Own protocole
	Participative observations	Standardized protocole
		Own protocole
	Research study	Methodology
Litter surveys Ops (at Sea)	(Inter)national monitoring network	Standardized protocole
		Own protocole
	Participative observations	Standardized protocole
		Own protocole
	Research study	Methodology
	Litter Impact Assessment	(Inter)national monitoring network
Turtles		
Fauna		
Participative observations		Mammals
		Birds
Research study		Trophic chain
		Fauna
Support Tool		Guideline
	Observation	
	Database	Data Monitoring
	Web viewer	Monitoring results
		Litter accumulations mapping
	App	Litter location
		Monitoring
		Observations
Model	Drift	
Wiki	Litter identification	
Specific Equipment	Observation	ROV
		UAV

The “**Litter Observation / Monitoring**” category includes, in 6 sub-categories, IMAs about:

- Litter surveys Ops (on shoreline) including (i) standardised monitoring operations as part of an (inter)national programme, (ii) opportunistic observations, and (iii) research studies (e.g. to develop a methodology);
- Litter surveys Ops (at Sea) [similar as above]
- Litter Impact Assessment [similar as above but about impact]
- Support tool generally digital tools facilitating the observation and monitoring of litter (including the related operations of data transmission, storage, visualisation): *database, webviewer, application, template, wiki, protocol, guide*, etc.);
- Specific equipment: devices and techniques developed to monitor waste (e.g. drone, buoy, etc.);
- Expeditions at sea: observation campaigns or simple monitoring using a boat (pleasure boat, cruise ship, oceanographic vessel, etc.).

C. LITTER AWARENESS RAISING Category			
Sub-category	Type	Sub-Type	
Event	Exhibition		
	Artist exhibition		
	Sport performance		
	Contest	Drawing	
		R&D	
		Best practices	
	Sciences conference		
	(Inter)national Clean-up day	International	
National			
Regional/local			
(Inter)national programme	International campaign		
	National campaign		
Education	General outreach	On beach	
		In port	
		On board a dedicated vessel	
		Lecture	
		Training Course	
	Targeted outreach	Sea professional	
		Fishermen	
		shellfish farmers	
		SME	
		Sailors	
		Surfers	
		Schools	
	workshop	Art	
Training Course			
Support tool	Travelling exhibition	Marine litter	
		Litter recycling workshop	
	Awareness kit	Guidelines	
		Miscellaneous	
		Workshop	
	Platform	Miscellaneous	
		Training courses	
		Ocean literacy	
	Game		
	Quiz		
	Tale		
	Infography		
Video			

The “Litter Awareness Raising” category includes, in 3 sub-categories, IMAs about:

- Events: including (i) *exhibitions* - including *artist exhibitions*, (ii) *sports performances*, (iii) *contest* (drawings, etc.), (iv) *scientific conferences*, (v) *(inter)national clean-up days*, and (vi) *(inter)national campaigns*;
- Education activities: including (i) *general awareness-raising actions* on field (beach, port, etc.) or *in a dedicated facility* (boat, etc.) aimed at the general public, as well as *conferences* and *training courses*, (ii) *targeted awareness-raising actions* aimed at a specific stakeholders (maritime professionals, sailors, schools, etc.), and (iii) *workshops* (crafts, art, training);
- Support Tool including: (i) *travelling exhibitions* (on marine litter in general or more thematic) (ii) *kits* (poster documents, turnkey workshop, etc.), (iv) *platforms* (for training, etc.); (v) *games*, (vi) *quizzes*, (vii) *tales*, (viii) *computer graphics*; (ix) *videos*; etc.

D. LITTER CIRCULAR ECONOMY category		
<i>Sub-category</i>	<i>Type</i>	<i>Sub-Type</i>
Recovery chain organisation	For litter	Beach litter
		From fishing for litter ops
	For used gear	Used fishing nets
		Used EPS fishing boxes
		Used fishing lights
		Used batteries
		Used mooring lines
For specific litter item	Cigarette butts	
Valorisation chain organisation	Tool	EPR implementation
	Developing local economy	Recycling entrepreneurship
Litter recycling	Production of plastic	R-Plastic pellets
		3D printing filament
		« Precious Plastic » machine
Production of energy	Fuel	
Use of recycled litter	Manufacture of plastic object	Kayak / surfboard
		Clothes sport wear
		Design objects
		Pots
		Glasses
		Mesh bags
	Orthotics	
Incorporation in another material	In concrete	
New material for sea-related uses	Bio-sourced bioplastic	
	New gear	Fishing nets / Oyster trays

The “**Litter Circular Economy**” category includes, in 5 sub-categories, IMAs about:

- The Organisation of the recovery chain, corresponds to IMAs addressing the recovery of (i) *litter collected at sea* (all litter or particular items) and (ii) *used gear from sea-related professions* (mainly fishing and shellfish farming, but not only) ;
- The Organisation of the valorisation chain corresponds to IMAs facilitating the valorisation (reuse, etc.) of litter: this may involve (i) *specific equipment* or (ii) *organisational actions*;
- The Recycling of collected litter refers to the actual recovery or transformation of the recovered marine litter into either (i) the *production of recycled plastic pellets* (r-pellets) or (ii) the *production of energy* (pyrolysis), etc. ;
- The Use of recycled litter specifies the fate to the recycled plastics, namely (i) *incorporation into another material* (cement, asphalt, etc.), or (ii) once transformed into r-Pellets, the *production of consumer goods*: clothing, decoration, etc.);
- New products correspond to the development or marketing of new materials (e.g. biobased polymers) likely to replace the synthetic polymers used in sea-related activities.

E. LITTER POLICY Category		
<i>Sub-category</i>	<i>Type</i>	<i>Sub-Type</i>
Engagement	Mobilisation campaign	International National
	Charter	National
Baseline document	Plan	National International
	Roadmap	
	Guidelines	
	State of the art	Litter management Litter research review
(inter)national forum	Working group	International National Regional
		National International
	Conference	
Ban	Litter items	Balloons / Flying lanterns

The “**Litter Policy**” Category includes, in 4 sub-categories, IMAs about:

- An Engagement action against litter, issued at least at national level on the initiative of a government, an international organisation, or an NGO, such as (i) *(inter)national mobilisation campaign*, or (ii) *Charter*, etc.;
- A Baseline document published at the (inter)national level by a government, an intergovernmental organisation, such as (i) *Plan*, (ii) *Roadmap*, (iii) *Guide*, (iv) *State of the Art*, etc.;
- A (inter)national Forum organised or set up at the (inter)national level, such as (i) *Forum* (working group, workshop, etc.) (ii) *Conference*, etc.;
- A Ban issued against a particular type of litter (e.g. balloons, etc.).

IMA inventories by country

A3

IRELAND - CLEAN-UP / RECOVERY (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Unnamed	Clean-up Ops (on shoreline)	<i>Citizen clean-up</i>	<i>Manual (Usual)</i>	<i>Volunteers</i>	<i>Beach litter</i>	<i>Culdaff Tidy Towns Group</i> https://www.facebook.com/Culdaff-Tidy-Towns-895769897129146/
2	<i>Big Beach Clean</i>						<i>Clean Coast</i> http://cleancoasts.org/
3	<i>Coca-Cola Clean Coasts Week 2019</i>						<i>Clean Coast</i> http://cleancoasts.org/
4	<i>Citizen clean-up (unnamed)</i>						<i>Galway Conservation Volunteers</i> https://fr.facebook.com/pg/ConservationVolunteersGalway/about/?ref=page_interna
5	<i>Citizen clean-up (unnamed)</i>						<i>Wicklow County Council</i> www.wicklow.ie
6	<i>Citizen clean-up (unnamed)</i>						<i>Bull island Action group</i> https://www.facebook.com/groups/309552952426989/
7	<i>Citizen clean-up (unnamed)</i>						<i>North West Coastal Clean ups</i> https://www.facebook.com/Northwest-Coastal-Clean-ups-1685501138420655/
8	<i>"Are you ready to change?"</i> https://www.nationalaquarium.ie/newsandevents.html				<i>Galway Atlantaquaria</i> https://www.nationalaquarium.ie/		
					<i>Agents / Employees</i>		

IRELAND – OBSERVATION / MONITORING (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Big Beach Clean	Litter surveys Ops (on shoreline)	Participative observations	Own protocole	Volunteers	Beach litter	Clean Coast http://cleancoasts.org/
2	Coastwatch survey http://coastwatch.org/europe/microlitter/		(inter)National monitoring network	Own protocole	Volunteers	Beach litter	Coastwatch http://coastwatch.org/
3	Coastwatch survey http://coastwatch.org/europe/microlitter/	Support tool	Guideline	Observation	Volunteers	Marine litter	Coastwatch https://www.coastwatch.com.au/
4	Coastwatch Microlitter app http://coastwatch.org/europe/survey/		App	Observation	Volunteers	Microplastics	Coastwatch https://www.coastwatch.com.au/
5	SeaRover https://www.marine.ie/Home/site-area/news-events/press-releases/government-supported-scientists-discover-rare-%E2%80%98shark-nursery%E2%80%99-0	Specific Equipment	Observation	ROV	Scientist	Marine litter	Marine Institute https://www.marine.ie/

IRELAND - AWARENESS RAISING (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	#OneSmallChange https://www.nationalaquarium.ie/uploads/5/8/1/1/58117585/story_of_one_small_change_webversion.pdf	Event	Artists Exhibition		Scientists	General Public	Galway Atlantaquaria https://www.nationalaquarium.ie/
2	The sea + me		(inter)National Clean-up day	Regional	NGO	General Public	Plastic Free Kinsale https://www.facebook.com/plasticfreekinsale/
3	“Are you ready to change?” https://www.nationalaquarium.ie/newsandevents.html		(International) programme	World Aquariums unite (EU and UNEP)	Scientists	General Public	Galway Atlantaquaria https://www.nationalaquarium.ie/
4	Green-Schools Marine environment theme https://greenschoolsireland.org/themes/global-citizenship-marine-environment/	Education	Targeted outreach	School	NGO	School	Green-Schools Ireland https://greenschoolsireland.org/
5	Plastic in Paradise https://www.youtube.com/watch?v=bliWs4szs0s	Tool	Video		NGO	General Public	Wild Derrynane

UNITED-KINGDOM - CLEAN-UP/RECOVERY (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Unnamed	Clean-up Ops (on shoreline)	Citizen clean-up	Manual (Usual)	Volunteers	Beach litter	Friends of Portheras Cove https://www.facebook.com/FriendsofPortheras/
2	Unnamed				Volunteers	Beach litter	Torbay Cleaner Coasts Initiative https://en-gb.facebook.com/CleanerCoasts/
3	Unnamed https://www.sas.org.uk/take-action/				Volunteers	Beach litter	Surfers Against Sewage https://www.sas.org.uk/
4	LoveMyBeach http://lovemybeach.org/wonderful-walney/				Volunteers	Beach litter	Keep Britain Tidy https://www.keepbritaintidy.org/
5	Beachwatch https://www.mcsuk.org/beachwatch/				Volunteers	Beach litter	Marine Conservation Society https://www.mcsuk.org/
6	2 minute beach cleans https://beachclean.net/				Volunteers	Beach litter	The Beach Clean Network https://beachclean.net/
7	Litter pick https://www.cleancornwall.org/index.php				Volunteers	Beach litter	Clean Cornwall https://www.cleancornwall.org/
8	Paddle for plastic www.odysseyinnovation.com/paddle-for-plastic					By using kayak	Volunteers
9	Unnamed https://marinedevelopments.blog.gov.uk/2018/05/23/torbay-cleaner-coasts-initiative/	Clean-up ops (at-sea)	By diving	Scuba diving	NGO	Marine litter	Torbay Cleaner Coasts Initiative https://marinedevelopments.blog.gov.uk/2018/05/23/torbay-cleaner-coasts-initiative/
10	Ghost Gear https://www.fathomsfree.org/ghost-gear				NGO	ADLFG	Fathom free https://www.fathomsfree.org/
11	Dive against debris https://www.fathomsfree.org/dive-against-debris				NGO	Marine litter	Fathom free https://www.fathomsfree.org/
12	Litter pick pack https://www.cleancornwall.org/content/documents/CleanCornwall-LitterPickPack.pdf	Tool	Guidelines	Organisation of a beach clean-up	NGO	General Public	Clean Cornwall https://www.cleancornwall.org/
13	App 2 minute beach cleans https://beachclean.net/boardsmap		Application	Location of clean-up sites	NGO	General public	The Beach Clean Network https://beachclean.net/

UNITED-KINGDOM - OBSERVATION / MONITORING (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder,theme)	Organisation (Name/Website)
1	OP SAR litter monitoring https://www.ospar.org/documents?v=7260	Support Tool	Guideline	Monitoring	volunteers	Beach litter	OSPAR Commission www.ospar.org
2	OP SAR litter monitoring https://www.ospar.org/work-areas/eiha/marine-litter/assessment-of-marine-litter/seabed-litter				Scientists	Seabed litter	OSPAR Commission www.ospar.org
3	OP SAR litter impact monitoring https://www.ospar.org/documents?d=3508				Scientists	Birds	OSPAR Commission www.ospar.org
4	Beachwatch database https://www.mcsuk.org/beachwatch/		Database	Data Monitoring	Volunteers	Beach Litter	Marine Conservation Society https://www.mcsuk.org/
5	OP SAR litter monitoring database http://www.mcsuk.org/ospar/				Scientists	Marine litter	OSPAR Commission www.ospar.org
6	Beachwatch https://www.mcsuk.org/beachwatch/beaches		Web viewer	Monitoring results	Volunteers	Beach litter	Marine Conservation Society https://www.mcsuk.org/
7	OP SAR litter monitoring https://www.ospar.org/work-areas/eiha/marine-litter/assessment-of-marine-litter/				Scientists	Marine litter	OSPAR Commission www.ospar.org
8	SCRAPbook https://www.scrapbook.org.uk/map/				Litter accumulations mapping	Volunteers	Beach Litter

UNITED-KINGDOM - AWARENESS RAISING (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder,theme)	Organisation (Name/Website)
1	Zillah Art https://www.fathomsfree.org/zillah-s-art	Event	Artist exhibition		NGO	General Public	Fathom free https://www.fathomsfree.org/
2	Swimmers battle plastic in pool https://www.bbc.com/news/av/uk-england-bristol-47731725		Sport performance	Swimming	Sport(wo)man	General Public	Kate Shortman and Isabelle Thorp
3	Unnamed	Education	General outreach	On Beach	NGO	General Public	Friends of Portheras Cove https://www.facebook.com/FriendsofPortheras/
4	Unnamed				NGO	General Public	Torbay Cleaner Coasts Initiative https://en-gb.facebook.com/CleanerCoasts/
5	Ocean school https://www.sas.org.uk/our-work/education				NGO	School	Surfers Against Sewage https://www.sas.org.uk/
6	Great British beach clean https://www.mcsuk.org/beachwatch/				NGO	General Public	Marine Conservation Society https://www.mcsuk.org/

UNITED-KINGDOM - CIRCULAR ECONOMY (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder,theme)	Organisation (Name/Website)
1	Paddle for plastic https://www.odysseyinnovation.com/	Recovery chain organisation	For marine litter	Beach litter	NGO	Marine litter	Odyssey Innovation Ltd https://www.odysseyinnovation.com/

UNITED-KINGDOM - POLICY (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder,theme)	Organisation (Name/Website)
1	Clean Seas Wales Partnership https://businesswales.gov.wales/marineandfisheries/sites/marineandfisheries/files/marine-litter-action-plan-wales-2020-2023.pdf	Engagement	Mobilisation campaign	National	SME	Marine Litter	Marine Wales https://businesswales.gov.wales/marineandfisheries/information-and-statistics/marine-litter
2	Cotton bud project https://www.cottonbudproject.org.uk/				SME	Cotton buds	FIDRA www.fidra.org.uk
3	Marine Litter Action Plan for Wales https://businesswales.gov.wales/marineandfisheries/information-and-statistics/marine-litter/marine-litter-action-plan-wales	Baseline document	Plan	National	Authorities	Marine Litter	Marine Wales https://businesswales.gov.wales/marineandfisheries/information-and-statistics/marine-litter
4	OSPAR Regional Action Plan for Marine Litter https://www.ospar.org/documents?v=34422			International	Contracting parties	Marine litter	OSPAR Commission www.ospar.org
5	Litter management in Wales https://businesswales.gov.wales/marineandfisheries/sites/marineandfisheries/files/litter-management-in-wales-an-analysis-of-litter-data-and-strategies.pdf			Litter management	Government (service, agency)	Marine Litter	Marine Wales https://businesswales.gov.wales/marineandfisheries/information-and-statistics/marine-litter
6	Academic Research Review https://businesswales.gov.wales/marineandfisheries/sites/marineandfisheries/files/marine-litter-academic-research-review.pdf			Research review	Government (service, agency)	Marine Litter	Marine Wales https://businesswales.gov.wales/marineandfisheries/information-and-statistics/marine-litter
7	OSPAR Assessments https://oap.ospar.org/en/ospar-assessments/intermediate-assessment-2017/pressures-human-activities/marine-litter/			Pressure / impact	Contracting parties	Marine litter	OSPAR Commission www.ospar.org
8	OSPAR Coordinated Environmental Monitoring Programme (CEMP) https://oap.ospar.org/en/ospar-monitoring-programmes/cemp/					Marine litter	OSPAR Commission www.ospar.org
9	ICG-Marine litter https://www.ospar.org/work-areas/eiha/marine-litter			(inter)national forum	Working group	International	Contracting parties

FRANCE - CLEAN-UP / RECOVERY (1/4)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Unnamed	Clean-up Ops (on shoreline)	Citizen clean-up	Manual (usual)	Volunteers	Beach litter	Adeeli - CPIE Flandre Maritime www.cpieflandremaritime.fr
2	Unnamed https://assoansel.jimdo.com/nos-missions/ramassage/				Volunteers	Beach litter	ANSEL Association de Nettoyage au Service de l'Environnement et du Littoral https://assoansel.jimdo.com/
3	Unnamed				Volunteers	Beach litter	Association Plastic Pick-up https://www.plastic-pickup.fr/
4	Unnamed				Volunteers	Beach litter	Ar viltansou https://colibris-wiki.org/arviltansou/?PagePrincipale
5	Unnamed				Volunteers	Beach litter	Ar viltansou (Rade de Brest) https://www.facebook.com/groups/1080983875383794/
6	Unnamed				Volunteers	Beach litter	CSF Oleron https://www.facebook.com/CSF-OI%C3%A9ron-1684713765145643/
7	Unnamed				Volunteers	Beach litter	Diwall an Aod
8	Unnamed				Volunteers	Beach litter	Environat www.environat.fr
9	Unnamed				Volunteers	Beach litter	Grand Port Maritime du Havre https://www.haropaports.com/fr/lehavre
10	Unnamed				Volunteers	Beach litter	La plage autrement https://www.facebook.com/laplageautrement/
11	Unnamed				Volunteers	Beach litter	Les mains dans le sable http://lesmainsdanslesable.com/
12	Unnamed				Volunteers	Beach litter	Nature libre http://www.assonaturelibre.fr
13	Unnamed http://dune-littorale-aquitaine.n2000.fr/node/132				Volunteers	Beach litter	ONF http://dune-littorale-aquitaine.n2000.fr/
14	Unnamed http://palana-environnement.org/actions/				Volunteers	Beach litter	Palana Environnement http://palana-environnement.org/

FRANCE - CLEAN-UP / RECOVERY (2/4)									
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)		
15	Adopt 1 spot https://www.remed-zero-plastique.org/adopt-1-spot	Clean-up Ops (on shoreline)	Citizen clean-up	Manual (usual)	Volunteers	Beach Litter	Réseau ReMed zero plastique https://www.remed-zero-plastique.org/		
16	Chausey Sound clean-up				Volunteers	Beach litter	Syndicat Mixte Espaces Littoraux de la Manche (SyMEL) www.symel.fr		
17	Initiatives Océanes https://www.initiativesoceanes.org/fr/				Volunteers	Beach litter	Surfrider Foundation Europe https://surfrider.eu/		
18	Le Pavillon Bleu https://www.pavillonbleu.org/				Volunteers	Beach litter	Teragir https://www.teragir.org/		
19	Le Marathon bleu https://marathon-bleu.fr/courons-pour-nos-oceans/				Volunteers	Beach litter	Les Enfants de l'Océan http://les-enfants-de-locean.weebly.com/		
20	Rivage propre www.rivagepropre.com				Volunteers	Beach litter	CPIE Vallée de l'Orne http://www.cpievdo.fr/		
21	Reseaclons https://www.reseaclons.org/				Fishermen	Marine litter	Seaquarium du Grau du Roi https://www.seaquarium.fr/		
22	shellfish farming Clean-up day				Shellfish farmers	Beach litter	CRC Normandie Mer du Nord http://www.huitres-normandie.com/		
23	shellfish farming Clean-up day				Shellfish farmers	Beach litter	CRC Bretagne-Sud http://www.huitres-de-bretagne.com/		
24	shellfish farming Clean-up day				Shellfish farmers	Beach litter	CRC Bretagne-Nord http://www.bretagne-peches.org/		
25	Beach clean-up Breizh Ocean Cleaner https://www.facebook.com/pages/category/Environmental-Conservation-Organization/Breizh-Ocean-Cleaner-2265604380366493/				By using paddle	Volunteers	Beach litter	Breizh Ocean Cleaner https://www.facebook.com/pages/category/Environmental-Conservation-Organization/Breizh-Ocean-Cleaner-2265604380366493/	
26	Unnamed https://www.facebook.com/Bassindarcachon.BA/				Professional Clean-up	Manual (usual)	Service agents	Beach litter	Parc Naturel Marin du Bassin d'Arcachon http://www.aires-marines.fr/L-Office/Organisation/Parcs-naturels-marins/Parc-naturel-marin-du-Bassin-d-Arcachon
27	Unnamed						Contractor	Beach litter	Syndicat Mixte de bassin de l'Elorn http://bassin-elorn.fr/
28	Unnamed						Employees	Beach litter	AGSEL cooperative du patrimoine naturel www.agsel.fr
29	Nettoyage différencié du littoral landais https://www.landes.fr/le-littoral	Mechanical and manual (usual)	Contractor	Beach litter			Syndicat Mixte du Littoral Landais https://www.landes.fr/littoral-landais		

FRANCE - CLEAN-UP / RECOVERY (3/4)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
30	Mare Nostrum https://www.seashepherd.fr/index.php/actualites/9-news-20170804-fr-01	Clean-up Ops (at-sea)	By diving	Scuba diving	Volunteers	Ghost nets	Sea Shepherd France https://www.seashepherd.fr/
31	Chausey Sound clean-up			Scuba diving	Volunteers	Seabed litter	Syndicat Mixte Espaces Littoraux de la Manche (SyMEL) www.symel.fr
32	Reseaclons https://www.reseaclons.org/		Fishing for litter		Fishermen	Marine litter	Seaquarium du Grau du Roi https://www.seaquarium.fr/
33	Itsas Belara		Dedicated vessel		Contractor	Marine litter	Kosta Garbia http://www.kosta-garbia.fr/
34	Kit de nettoyage http://www.gestespropres.com/le-dispositif-gp/kit-de-nettoyage/	Specific Equipment	Beach clean-up	Manual tool	Volunteers	Beach litter	Progrès et Environnement, http://www.gestespropres.com/
35	Manta https://www.theseacleaners.org/le-manta-un-navire-revolutionnaire/		At-sea recovery	Recovery barge	SME	Floating litter	The Sea cleaners https://www.theseacleaners.org
36	Recleansea http://www.recleansea.org/fr			Trawl-net	SME	Floating litter	Recleansea http://www.recleansea.org/
37	JellyFishBoat https://www.iadys.com/en/jellyfishbot-2/			Robot	SME	Floating litter	IADYS https://www.iadys.com/
38	Litter Compactor https://robinsdesmers.mystrikingly.com/	On-board storage	Compactor	SME	Floating litter	Robins des mers https://robinsdesmers.mystrikingly.com	
39	Guide de Nettoyage raisonné des plages https://www.rivagesdefrance.org/wp-content/uploads/2017/07/guide-nettoyage-plage.pdf	Tool	Guideline	Shoreline clean-up	Municipalities	Beach litter	Rivages de France https://www.rivagesdefrance.org/
40	Guide « Rivages propres » de Collecte raisonnée des macro-déchets http://normandie.developpement-durable.gouv.fr/IMG/pdf/guide_rivage_propore.pdf				Municipalities	Beach litter	Région Normandie http://normandie.developpement-durable.gouv.fr/
41	Comment organiser un nettoyage de plage ? https://www.youtube.com/watch?v=Es4dpTb0MgM				Volunteers	Beach litter	Surfrider Foundationj Europe
42	Re-Med Zéro Plastique https://www.remed-zero-plastique.org/structures		Web viewer	Beach Clean-up organisations	Volunteers	Beach litter	Réseau ReMed Zéro Plastique https://www.remed-zero-plastique.org/
43	#Un geste pour la mer https://www.ungestepourlamer.org/				Volunteers	Beach litter	Fondation de la mer http://www.fondationdelamer.org/
44	CleanWalk https://www.cleanwalk.org/cleanwalks			Volunteers	Beach litter	CleanWalk https://www.cleanwalk.org/	
45	Re-Med Zéro Plastique https://www.remed-zero-plastique.org/evenements	Beach clean-up sites		Volunteers	Beach Litter	Réseau déchets sauvages https://www.remed-zero-plastique.org/	
46	Trash Heroes https://www.plastic-pickup.fr/agir/ou-agir/	Volunteers	Beach litter	Association Plastic Pick-up https://www.plastic-pickup.fr/			

FRANCE - CLEAN-UP / RECOVERY (4/4)

#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
47	Sacabout https://fr-fr.facebook.com/lyceemaritimeGV/	Incentive scheme	<i>Equipment</i>	Belt bag	Fishermen	Net mending pieces	Lycée Maritime du Guilvinec http://www.lycee-maritime-guilvinec.com/
48	Trait Bleu www.bacamaree.fr			Litter beach tank	Municipalities	Beach litter	Société coopérative TEO http://teolarochelle.org/
49	Dispositif de collecte http://www.gestespropres.com/le-dispositif-gp/dispositif-de-collecte/			Beach bin	Municipalities	Beach litter	Progrès et Environnement http://www.gestespropres.com/
50	Seau Plage Propre http://lesmainsdanslesable.com/participez/			Litter bucket	Volunteers	Beach litter	Les mains dans le sable http://lesmainsdanslesable.com/participez/

FRANCE - OBSERVATION / MONITORING (1/3)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Réseau national de surveillance des macrodéchets sur le littoral (RNS-MD-L)	Litter survey Ops (on shoreline)	(inter)National monitoring network	OPSAR / MSFD protocole	Volunteers	Beach litter	Adèle http://assoadele.over-blog.fr/
2					Agents / Employees	Beach litter	AGSEL agsel.fr
3					Agents / Employees	Beach litter	Estran http://www.estrancitelamer.fr/category/service-littoral/
4					Agents / Employees	Beach litter	Aquacaux www.aquacaux.fr
5					Volunteers	Beach litter	Bretagne Vivante Finistère https://www.bretagne-vivante.org/Finistere
6					Volunteers	Beach litter	Bretagne Vivante Morbihan Réserve du marais de Séné www.reserves-naturelles.org/marais-de-sene
7					Volunteers	Beach litter	Bretagne Vivante Loire-Atlantique https://www.bretagne-vivante.org/Loire-Atlantique
8					Agents / Employees	Beach litter	Cedre www.cedre.fr
9					Agents / Employees	Beach litter	Communauté de Communes de Belle-Île-en-Mer https://www.ccbi.fr/
10					Agents / Employees	Beach litter	Communauté de Communes de l'Île de Ré https://cdciledere.fr/
11					Agents / Employees	Beach litter	Commune de l'Île d'Yeu https://www.mairie.ile-yeu.fr/
12					Agents / Employees	Beach litter	Commune d'Hendaye https://www.hendaye.fr/fr/hendaye-decouverte/patrimoine-histoire/domaine-dabbadia/
13					Agents / Employees	Beach litter	CPIE Cotentin https://www.cpiecotentin.com/
14					Volunteers	Beach litter	CPIE Flandre Maritime www.cpieflandremaritime.fr
15					Agents / Employees	Beach litter	CPIE Médoc https://curuma-cpiemedoc.jimdofree.com/
16					Agents / Employees	Beach litter	CPIE U Marinu https://www.umarinu.com/
17					Volunteers	Beach litter	CPIE Vallée de l'Orne www.cpievdo.fr/
18					Volunteers	Beach litter	LPM-Guilvinec https://lycee-maritime-guilvinec.bzh/
19					Volunteers	Beach litter	LPO https://www.lpo.fr/

FRANCE - OBSERVATION / MONITORING (2/3)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
20	Réseau national de surveillance des macrodéchets sur le littoral (RN S-MD-L)	Litter survey Ops (on shoreline)	(inter)National monitoring network	OPSAR / MSFD protocole	Agents / Employees	Beach litter	MerTerre https://mer-terre.org/
21					Agents / Employees	Beach litter	Parc Naturel Marin du Bassin d'Arcachon
22					Agents / Employees	Beach litter	Parc Naturel Marin de l'Estuaire de la Gironde et de la Mer des Pertuis https://parc-marin-gironde-pertuis.fr/
23					Agents / Employees	Beach litter	Parc Naturel Marin des Estuaires Picards et de la Mer d'Opale https://www.parc-marin-epmo.fr/
24					Agents / Employees	Beach litter	Parc Naturel Marin Gofle du Lion https://parc-marin-golfe-lion.fr/
25					Agents / Employees	Beach litter	Parc Naturel Marin d'Iroise https://parc-marin-iroise.fr/
26					Agents / Employees	Beach litter	Parc National de Port Cros http://www.portcros-parcnational.fr/
27					Agents / Employees	Beach litter	PNR-Camargue http://www.parc-camargue.fr/
28					Agents / Employees	Beach litter	Réserve Naturelle de la Baie de Saint-Brieuc http://www.reserves-naturelles.org/baie-de-saint-brieuc
29					Agents / Employees	Beach litter	Réserve Naturelle du Sillon de Talbert http://www.reserves-naturelles.org/sillon-de-talbert
30					Volunteers	Beach litter	Sea-mer asso http://sea-mer.org
31					Volunteers	Beach litter	Surfrider Foundation Europe https://surfrider.eu/
32					Agents / Employees	Beach litter	Syndicat mixte de Bassin de l'Elorn http://bassin-elorn.fr/
33					Agents / Employees	Beach litter	Syndicat Mixte du Littoral Landais https://www.landes.fr/littoral-landais
34	Agents / Employees	Beach litter	Taho'e éco-organisation (TeO) http://teolarochelle.org/				

FRANCE - OBSERVATION / MONITORING (3/3)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
35	Adopt 1 spot https://www.remed-zero-plastique.org/adopt-1-spot	Litter survey Ops (on shoreline)	Participative observations	Standardized protocole	Volunteers	Beach Litter	ReMed Zéro Plastique https://www.remed-zero-plastique.org/
36	Réseau Déchets sauvages (ReDeSa) https://www.remed-zero-plastique.org/				Volunteers	Beach Litter	ReMed Zéro Plastique https://www.remed-zero-plastique.org/
37	Aires marines éducatives https://ofb.gouv.fr/les-aires-marines-educatives				Schools	Beach Litter	Office français de la Biodiversité https://ofb.gouv.fr
38	Plastique à la Loupe https://oceans.taraexpeditions.org/m/education/les-actualites/plastique-a-la-loupe-science-participative/				Schools	Microplastics	Fondation Tara Océan https://oceans.taraexpeditions.org/
39	SOS Mal de Seine			Own protocole	Microplastics	Scientists	SOS Mal de Seine http://maldeseine.free.fr
40	Trait Bleu - Bac à Marée http://teolarochelle.org/project/le-programme-trait-bleu/			Beach litter tank	Scientists	Beach litter	Taho'e éco-organisation (TeO) http://teolarochelle.org/
41	Expedition Atlantis http://www.septiemecontinent.com/les-expeditions/	Litter surveys Ops (at sea)	(inter)National monitoring network	Standardized protocole	Scientists	Sea litter	Expedition 7° Continent www.septiemecontinent.com
42	Tara Méditerranée 2014 https://oceans.taraexpeditions.org/m/qui-est-tara/les-expeditions/tara-mediterranee/				Scientists	Sea litter	Fondation Tara Ocean https://oceans.taraexpeditions.org/
43	Expédition Med/Atlant		Participative observations	Own protocole	Volunteers	Sea litter	EcoMarine Team Grand Large http://www.teamgrandlarge.org/
44	Expedition Plastic Odyssey https://plasticodyssey.org/lexpedition/				Volunteers	Sea litter	Plastic Odyssey https://plasticodyssey.org/
45	Expedition Wings of the ocean https://www.wingsoftheocean.com				Volunteers	Sea Litter	Wings of the ocean https://www.wingsoftheocean.comv
46	ObsenMer https://riem-asso.com/macro-dechets-flottants/	Volunteers	Sea Litter	RIEM www.riem-asso.com			
47	Wikidechets http://dechets-marins.ovh/		Wiki	Litter identification	Volunteers	Beach litter	Sea-mer asso http://sea-mer.org
48	Dali https://wwz.ifremer.fr/quadrige2_support/DALI		Database	Data monitoring	Scientists	Marine litter	Ifremer https://wwz.ifremer.fr/
49	Fish & Click https://fishandclick.ifremer.fr/	Support Tool	App	Litter location	Volunteers	Fishing related litter	Ifremer https://wwz.ifremer.fr/
50	Oceanplastictracker www.oceanplastictracker.com				Volunteers	Beach litter	ANSEL https://assoansel.jimdo.com/
51	I clean my sea https://icleanmysea.com/fr_fr/				Sailors	Sea litter	I clean my sea https://icleanmysea.com/fr_fr/
52	Apps 7e continent http://www.septiemecontinent.com/lapplication-7e-continent-disponible-google-apple-store/				Scientists	Sea Litter	Expédition 7° Continent www.septiemecontinent.com
53	Robin des Mers application https://robinsdesmers.mystrikingly.com/				Sailors	Sea litter	Robin des Mers https://robinsdesmers.mystrikingly.com/
54	OceanPlasticTracker www.oceanplastictracker.com		Web viewer	Litter location	Volunteers	Beach litter	ANSEL https://assoansel.jimdo.com/

FRANCE - AWARENESS RAISING (1/3)

#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)	
1	Laisse de mer http://sophiehelene.fr/laisses-de-mer/	Event	Artist exhibition		Painter	General public	Sophie HELENE http://sophiehelene.fr/	
2	Swim through the Great Pacific Garbage Patch https://www.youtube.com/watch?v=RKVyRjXCLB8		Sport performance	Swimming in a gyre	Sport(wo)man	General Public	Benoît Lecomte	
3	Initiatives Océanes https://www.initiativesoceanes.org/fr/		(inter)National Clean-up day		International	NGO	General Public	Surfrider fondation https://surfrider.eu/
4	shellfish farming Clean-up				National	shellfish farmers	Shellfish farmers	CRC Normandie Mer du Nord http://www.huitres-normandie.com/
5	shellfish farming Clean-up					shellfish farmers	Shellfish farmers	CRC Bretagne-Sud http://www.huitres-de-bretagne.com/
6	shellfish farming Clean-up					shellfish farmers	Shellfish farmers	CRC Bretagne-Nord http://www.bretagne-peches.org/
7	Opération « Rivage Propre » https://www.rivagepropre.com/presentation-rivagepropre		Regional	NGO	General Public	Rivage propre https://www.rivagepropre.com/		
8	« Ban the plastic bags » https://surfrider.eu/en/ban-the-bag/		(Inter)national programme		National campaign	NGO	General public	Surfrider Foundation Europe https://surfrider.eu/
9	« Gardez Et Triez vos déchets » http://www.gestespropres.com/le-dispositif-gp/espacesnat/					Natural protected sites managers	General Public	Progres et Environnement http://www.gestespropres.com/
10	Je Navigue, Je Trie http://www.gestespropres.com/					Port authorities	Sailors	Progres et Environnement http://www.gestespropres.com/
11	"La mer commence ici" https://www.francebleu.fr/infos/climat-environnement/loire-atlantique-des-plaques-ici-commence-la-mer-pour-sensibiliser-a-la-pollution-des-eaux-pluviales-1554135722					Local authorities	General Public	Water agencies / Shoreline municipalities
12	« Les sirènes n'existent pas, les poubelles si » http://www.gestespropres.com/campagne-nationale-de-gestes-propres-sensibilisation-au-bon-comportement/					Local authorities	General Public	Progres et Environnement http://www.gestespropres.com/
13	« Non aux déchets sauvages et marins, Oui aux gestes propres » http://www.gestespropres.com/wp-content/uploads/2018/03/CP_GestesPropres_grandes-vacances-val.pdf					Local authorities	General Public	Progres et Environnement http://www.gestespropres.com/
14	#NoPlasticChallenge https://noplasticinmysea.org/le-no-plastic-challenge-2/					NGO	Divers	No plastic in my sea https://noplasticinmysea.org/
15	« Plage et mer propres» https://www.plage-propre.org/					Agents /employees	General public	Comptoir de la mer https://www.comptoirdelamer.fr/

FRANCE - AWARENESS RAISING (2/3)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
16	"Plage sans poubelle" https://bulletindescommunes.net/sites-touristiques-sans-poubelle/	Event	(Inter)national programme	National campaign	Local authorities	General public	Atlantic Shoreline municipalities
17	« Ce que laisse la mer » https://cap-vers-la-nature.org/education-a-la-mer-innovation/economie-circulaire-participatif/	Education	General outreach	On beach	NGO	General Public	Cap vers la nature https://cap-vers-la-nature.org/
18	CleanSea http://www.cpieflandremaritime.fr/agir/projet-clean-sea/			On beach	NGO	General Public	Adeeli - CPIE Flandre Maritime www.cpieflandremaritime.fr
19	Initiatives Océanes https://www.initiativesoceanes.org/fr/			On beach	NGO	General Public	Surfrider fondation https://surfrider.eu/
20	Les mains dans le sable http://lesmainsdanslesable.com/sensibilisez-votre-groupe/			On beach	NGO	General Public	Les Mains dans le Sable http://lesmainsdanslesable.com/
21	Unnamed http://www.assonaturelibre.fr/index.php/prestations/			On beach	NGO	General Public	Nature libre http://www.assonaturelibre.fr
22	« Plastiques à la Loupe » https://oceans.taraexpeditions.org/m/education/operations-educatives/plastique-a-la-loupe/			On beach	Scientists	Schools	Fondation Tara Ocean https://oceans.taraexpeditions.org/
23	« Balance pas dans ton port » https://cap-vers-la-nature.org/education-a-la-mer-innovation/action-balance-pas-dans-ton-port/			In port	NGO	General Public	Cap vers la nature https://cap-vers-la-nature.org/
24	Plastic Odyssey https://plasticodyssey.org/lexpedition/			On board dedicated vessel	Scientists	General Public	Plastic Odyssey https://plasticodyssey.org/

FRANCE - AWARENESS RAISING (3/3)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder,theme)	Organisation (Name/Website)
25	Plastic Odyssey https://plasticodyssey.org/recyclage-dechet-plastique/actions-citoyennes/	Tool	Travelling exhibition	Litter Recycling workshop	NGO	General Public	Plastic Odyssey https://plasticodyssey.org/
26	Rivage Propre https://www.rivagepropre.com/quiz-rivagepropre			Marine litter	NGO	General Public	CPIE Vallée de l'Orne http://www.cpievdo.fr/
27	Atelier pédagogique http://www.gestespropres.com/atelier-juniors/		Awareness Kit	Workshop		schools	Progres et Environnement http://www.gestespropres.com/
27 28	"I love ma plage" https://www.landes.fr/files/cg40/CP-i-love-my-plage-3.pdf			Guidelines		General Public	Syndicat Mixte du Littoral Landais https://www.landes.fr/littoral-landais
29	Kit de communication https://www.plastic-pickup.fr/association/kit-de-communication/			Miscellaneous		General Public	Plastic Pickup https://www.plastic-pickup.fr
30	Kit de sensibilisation http://www.gestespropres.com/le-dispositif-gp/communication/			Miscellaneous		General Public	Progres et Environnement http://www.gestespropres.com/
31	"Explain 7e continent" http://explique7econtinent.com/		Platform	Miscellaneous	NGO	General Public	Expedition 7° Continent www.septiemecontinent.com
32	No plastic in my sea https://noplasticinmysea.org/					General public	No plastic in my sea https://noplasticinmysea.org/
33	Quiz de l'eau « Et vous quel pollueur êtes-vous? » https://www.brest.fr/brestfr-accueil-1575.html		Quizz			General Public	Brest Métropole https://www.brest.fr/
34	Quizz « Plage et mer propres » https://www.plage-propre.org/kit-pedagogique/					General public	Comptoir de la mer https://www.comptoirdelamer.fr/
35	Quizz « Rivage Propre » https://www.rivagepropre.com/quiz-rivagepropre					General Public	CPIE Vallée de l'Orne http://www.cpievdo.fr/
36	« Les 6 Petits Déchets Abandonnés » http://www.gestespropres.com/wp-content/uploads/2020/04/SSMT-Les-six-petits-de%CC%81chets-abandonne%CC%81s.pdf		Tale			Schools	Progres et Environnement http://www.gestespropres.com/
37	Video http://www.gestespropres.com/nos-actions-2/campagne-15-25-ans/		Video			General public	Progres et Environnement http://www.gestespropres.com/

FRANCE - CIRCULAR ECONOMY (1/2)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Amarcrete https://www.pole-mer-bretagne-atlantique.com/fr/component/projects/project/2547	Recovery chain organisation	For used gears	Mooring lines	Port authority	Used mooring lines	Pôle mer Bretagne Atlantique https://www.pole-mer-bretagne-atlantique.com/
2	Fil & Fab https://fil-et-fab.fr/			Fishing nets	SME	Used fishing nets	Fil et Fab https://fil-et-fab.fr/
3	Net Sea http://palana-environnement.org/netsea/			Fishing trawls and nets	NGO	Used fishing nets	Palana Environnement http://palana-environnement.org/
4	Pechpropre 1 & 2 www.pechpropre.fr			Oyster bags	Fishermen	Used fishing nets	Cooperation Maritime http://www.cooperationmaritime.com/
5	Terre-Mer Chantiers http://www.naviculebleue.com/terre-mer-chantiers/			For specific litter item	Insertion NGO	Used oyster bags	Navicule bleue http://www.naviculebleue.com/
6	MegO! https://me-go.fr/		For marine litter	SME	Butts	Butts	MegO! https://me-go.fr/
7	Reseaclons https://www.reseaclons.org/					Fishermen	Plastic litter
8	Plastic Odyssey https://plasticodyssey.org/en/recycling-plastic-waste/social-entrepreneurship/	Valorisation chain organisation	Developing Local economy (in poor countries)	Recycling Entrepreneurship	Local Communities	Plastic litter and plastic waste	Plastic Odyssey https://plasticodyssey.org/
9	Pechpropre 1 & 2 www.pechpropre.fr		Tool	EPR implementation	Government / professionals	Used fishing trawls and nets	La Coopération Maritime http://www.cooperationmaritime.com/
10	Nylo® www.fil-et-fab.fr/nylo/	Litter recycling	Plastic production	r-plastic pellets	SME	Used fishing nets	Fil et Fab https://fil-et-fab.fr/
11	Terre-Mer Chantiers http://www.naviculebleue.com/terre-mer-chantiers/				Insertion NGO	Used oyster bags	Navicule bleue http://www.naviculebleue.com/
12	Net Sea http://palana-environnement.org/netsea/			« Precious Plastic » machine	NGO	Used fishing nets	Palana Environnement http://palana-environnement.org/
13	Kokozen https://www.kokozenn.com/				SME	Plastic litter	Kokozen https://www.kokozenn.com/
14	Plastic Odyssey https://plasticodyssey.org/en/recycling-plastic-waste/technologies-low-tech-open-source/		Energy production	Pyrolysis (Fuel)	SME	Plastic litter	Plastic Odyssey https://plasticodyssey.org/

FRANCE - CIRCULAR ECONOMY (1/2)

#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
15	<i>Bagage Océan</i> https://www.lycee-maritime-etel.fr/lpma-notre-blog/1139-bagage-ocean-les-eleves-de-1ere-cultures-marines-creent-leur-mini-entreprise	Use of recycled litter	Manufacture of objects	Hand bags	Students	Used Oyster bags	<i>Lycée maritime d'Etel</i> http://www.lycee-maritime-etel.fr/
16	<i>Fil & Fab</i> https://fil-et-fab.fr/			Design objects	SME	Used fishing nets	<i>Fil et Fab</i> https://fil-et-fab.fr/
17	<i>Reseaclons</i> https://www.reseaclons.org/			SME	Plastic litter	<i>Seaquarium du Grau du Roi</i> https://www.seaquarium.fr/	
18	<i>Kokozen</i> https://www.kokozenn.com/			Clothes Sport wear	SME	Plastic litter	<i>Kokozen</i> https://www.kokozenn.com/
19	<i>MegO!</i> https://me-go.fr/			Outdoor furniture	SME	Butts	<i>MegO!</i> https://me-go.fr/
20	<i>Terre-Mer Chantiers</i> http://www.naviculebleue.com/terre-mer-chantiers/			Tree protective nets	Insertion NGO	Used Oyster bags	<i>Navicule bleue</i> http://www.naviculebleue.com/
21	<i>Amarcrete</i> https://www.pole-mer-bretagne-atlantique.com/fr/component/projects/project/2547	New material for sea-related uses	Incorporation in another material	In concrete	SME	Used mooring lines	<i>Pôle mer Bretagne Atlantique</i> https://www.pole-mer-bretagne-atlantique.com/
22	Eco-conception de filets de pêche https://ofb.gouv.fr/actualites/premiers-filets-de-peche-biodegradables-et-compostables		Bio-sourced bioplastic	Fishing net	Agency	Circular economy	<i>PNM-EPMO</i> http://www.aires-marines.fr/L-Office/Organisation/Parcs-naturels-marins/Parc-naturel-marin-des-estuaires-picards-et-de-la-mer-d-Opale/Actualites
23	<i>SEA®113</i> https://www.seabird.fr/produit-bioplastique.php		Fishing net Oyster trays	SME	Economy circular	<i>ICCI SeaBird</i> https://www.seabird.fr/	

FRANCE - POLICY (1/1)							
#	IMA (Name/ Website)	Sub-Category	Type	Sub-Type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name/Website)
1	Ban the plastic bags	Engagement	Mobilisation campaign	International	Communities	Plastic bags	Progrès et Environnement http://www.gestespropres.com/
2	Gestes Propres http://www.gestespropres.com/wp-content/uploads/2018/06/Charte-collectivite%20partenaires-2018.pdf		Charter	National	Communities	Marine litter	Gestes Propres http://www.gestespropres.com
3	"Une plage sans déchets plastique" https://www.ecologie.gouv.fr/plage-sans-plastique-signature-dune-charte-communes-eco-exemplaires			National	Communities	Plastic	Ministère de la transition écologique https://www.ecologie.gouv.fr/
4	Feuille de route Economie circulaire https://www.ecologie.gouv.fr/sites/default/files/DOSSIER%20DE%20PRESSE_Economie%20circulaire%20et%20collecte%20des%20d%C3%A9chets.pdf	Baseline document	Roadmap	National	Government	Circular economy	Ministère de la transition écologique https://www.ecologie.gouv.fr/
5	Plan Biodiversité du MTEs (2018) https://www.ecologie.gouv.fr/sites/default/files/18xxx_Plan-biodiversite-04072018_28pages_FromPdf_date_web_PaP.pdf		Plan	National	Government	Biodiversity	Ministère de la transition écologique https://www.ecologie.gouv.fr/
6	Plan territorial de gestion des plastiques https://amorice.asso.fr/publications/plan-territorial-de-lutte-contre-les-plastiques-eat01a			National	Communities	Plastics	Amorce https://amorice.asso.fr
7	Lutte contre la pollution plastique en milieu marin. Etat des lieux, réglementation, recensement et analyse des initiatives https://www.ademe.fr/lutte-contre-pollution-plastique-milieu-marin		State of the art	Initiatives	Agency	Stakeholders	Agence de la transition écologique https://www.ademe.fr
8	GDR "polymères et océans" https://inee.cnrs.fr/fr/evenement/les-premieres-rencontres-du-gdr-polymeres-et-occeans-2019	(inter)national forum	Working group	National	Scientists	Plastic litter	CNRS http://www.cnrs.fr/
9	Arrêté préfectoral relatif aux lâchers de ballons et lanternes volantes https://woody.cloudly.space/app/uploads/ville-saintes/2019/01/scurit-lacher-ballon-arret.pdf	Ban	Ballons Flying lanterns	Local	Government	Ballons Flying lanterns	Préfecture de la Charente Maritime http://www.charente-maritime.gouv.fr/

SPAIN - CLEAN-UP / RECOVERY (1/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	Unnamed	Clean-Up Ops (on shoreline)	Citizen clean-up	Manual	Volunteers	Beach litter	Mar de Fábula www.mardefabula.org
2	Burbujas solidarias http://fedas.es/proyecto-burbujas-solidarias/				Volunteers	Seabed litter	Federacion Española de Actividades Subacuaticas www.fedas.es
3	Initiatives Océanes www.initiativesoceanes.org				Volunteers	Beach litter	Surfrider España surfrider.eu/
4	International Coastal Cleanup-España https://ambienteuropeo.org/proyectos-2/				Volunteers	Beach litter	Asociación Ambiente Europeo https://ambienteuropeo.org/
5	Juntos Somos Biosfera www.lanzarotebiosfera.org/category/juntos-somos-biosfera				Volunteers	Beach litter	Lanzarote reserva de Biosfera www.lanzarotebiosfera.org/
6	LEMA www.lifelema.eu				Volunteers	Beach litter	Diputación Foral de Gipuzkoa www.gipuzkoa.eus/eu/web/
7	Libera www.proyectorlibera.org				Volunteers	Beach litter	SEO/BirdLife https://www.seo.org/ ECOEMBES https://www.ecoembes.com/es
8	Limpieza de Costas: Sea in blue, taller azul https://fundacionecomar.org/limpieza-de-costas/				Volunteers	Beach litter	Fundación ECOMAR https://fundacionecomar.org/
9	Limpieza de playas OCEANS4LIFE https://es.oceans4life.com/				NGO	Beach litter	OCEANS4LIFE https://es.oceans4life.com/
10	Limpiezas de playa PROMEMAR http://promemar.es/				NGO	Beach litter	PROMEMAR http://promemar.es/
11	Limpieza simultánea de playa http://www.adega.gal/novas.php?id=1034&idioma=gl&sec=9				Volunteers	Beach litter	Asociación por la Defensa Ecológica de Galicia (Adega) http://www.adega.gal/portada.php
12	Mares Circulares https://www.cocacolaespana.es/sostenibilidad/medioambiente/mares-circulares/mares-circulares-contaminacion-marina				Volunteers	Beach litter	Coca-Cola España https://www.cocacolaespana.es/inicio
13	Recogida diaria de basuras flotantes del puerto	Clean-Up Ops (in port)	Professional clean-up	Mechanical	Port authorities	Sea litter	Autoridad Portuaria de Valencia www.valenciaport.com/

SPAIN - CLEAN-UP / RECOVERY (2/2)											
#	IMA (Name / Website)	Sub-Category	Type		Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)				
14	LEMA www.lifelema.eu/fr/	Clean-up Ops (at-sea)	Fishing for litter		Fishermen	Sea Litter	Diputación Foral de Gipuzkoa www.gipuzkoa.eus/eu/web/				
15	Marviva http://residus.gencat.cat/es/ambits_dactuacio/tipus_de_residu/deixalles-marines/projectes/projecte-marviva/index.html						Agència de Residus de Catalunya http://residus.gencat.cat/ca/inici				
16	Nada Pola Borda http://knowledgetool.cleanatlantic.eu/projects/198						Cetmar https://cetmar.org/				
17	Pescal http://knowledgetool.cleanatlantic.eu/projects/197						Organización Nacional de Asociaciones Pesqueras (ONAPE). Actual denomination: Confederación Española de Pesca (CEPESCA) https://cepasca.es/				
18	Proyecto Ecopuertos https://www.ecopuertos.org/						Asociación Proyecto Ecopuertos https://www.ecopuertos.org/				
19	RepescaPlas https://www.programableamar.es/proyectos/repescaplas-valorizacion-material-de-residuos-plasticos-recuperados-del-mar-1						Aimplas www.aimplas.es				
20	UpCycling the Oceans España https://ecoalf.com/es/p/upcycling-the-oceans-15						EcoAlf https://ecoalf.com/				
21	Jornadas de recogida de basuras de los fondos portuarios						By Diving	Scuba diving	Port authority	Seabed litter	Autoridad Portuaria de Cartagena www.apc.es/
22	Proyecto Ecopuertos https://ecopuertos.org/index.php/buceadores-2019										Asociación Proyecto Ecopuertos https://ecopuertos.org
23	La Red de Vigilantes Marinos www.vigilantesmarinos.es/?p=1728								Volunteers		Seabed litter
24	Por un océano más sostenible http://promemar.es/	PROMEMAR http://promemar.es/									
25	SOS#redes http://sosredes.org/es/el-proyecto/	ALDFG https://hombreyterritorio.org/									
26	Lema Barrier www.lifelema.eu/fr/	Specific Equipment	Containment	Floating Barrier	Port authority	Floating litter	Diputación Foral de Gipuzkoa www.gipuzkoa.eus/eu/web/				
27	OC-Tech barge www.oceancleaner.es		At-sea Recovery	Recovery Barge	SME	Floating litter	OceanCleaner Technology www.oceancleaner.es				

SPAIN - OBSERVATION / MONITORING (1/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	OSPAR beach litter monitoring	Litter survey Ops (on shoreline)	(inter)National monitoring network	OSPAR/ MSFD protocole	Volunteers	Beach litter	Surfrider España https://surfrider.eu/
2	OSPAR beach litter monitoring						Ollalamar (no active anymore) www.ollalamar.org/
3	Basura marina watchers https://www.observadoresdelmar.es/Projects/View/7		Participative observations	Own protocol	Volunteers	Beachlitter	Observadores del mar https://www.observadoresdelmar.es/
4	Microplastic watchers https://www.observadoresdelmar.es/Projects/View/8						Observadores del mar https://www.observadoresdelmar.es/
5	LEMA Monitoring www.lifelema.eu/		Research study	Own protocol	Volunteers	Microplastics	Diputación Foral de Gipuzkoa www.gipuzkoa.eus/eu/web/
6	LEMA Monitoring www.lifelema.eu/						Local authorities
7	Microplasticos en playas http://www.conama.org/conama/download/files/conama2016/GTs%202016/1998972663_ppt_JLBuceta.pdf			Methodology	Scientists	Microplastics	Centro de Estudios y Experimentación de Obras Públicas (CEDEX) http://www.cedex.gob.es/
8	Basura marina watchers https://www.observadoresdelmar.es/Projects/View/7	Litter surveys Ops (at sea)	Participative observations	Own protocol	Volunteers	Sunken litter	Observadores del mar https://www.observadoresdelmar.es/
9	Microtrofic https://microtrofic.wordpress.com/campanas/		Research Study	Own protocol	Scientists	Microplastics	Microtrofic Consortium https://microtrofic.wordpress.com/
12	Indicit II https://indicit-europa.eu/	Litter impact assessment	(inter)national monitoring network	Turtles	Scientists	Marine Litter	Universidad de Valencia https://www.uv.es/
10	Incidencia y cuantificación de microplásticos en depredadores marinos en el Golfo de Bizkaia https://fundacion-biodiversidad.es/es/biodiversidad-marina-y-litoral/proyectos-convocatoria-ayudas/incidencia-y-cuantificacion-de		Research study	Sea Birds	Scientists	Microplastics	AZTI https://www.azti.es
11	Microtrofic https://microtrofic.wordpress.com/			Fauna	Scientists	Microplastics	Microtrofic Consortium https://microtrofic.wordpress.com/
13	SOS#redes database http://sosredes.org/	Support Tool	Database	Data monitoring	NGO	Fishing nets	Asociación Hombre y Territorio https://hombreyterritorio.org/
14	Marnoba Plataforma https://vertidoscero.com/marnoba/		Web viewer	Monitoring results	Volunteers	Marine litter	Vertidos Cero https://vertidoscero.com
15	eLitter App https://vertidoscero.com/app-elitter/		Application	Observations	Volunteers	Land litter	Vertidos Cero https://vertidoscero.com
16	Marnoba App https://vertidoscero.com/marnoba/					Marine litter	Vertidos Cero https://vertidoscero.com
17	CleanLICS http://cleanlics.ihcantabria.es/		Modelling	Drift	Scientists	Marine Litter	IH Cantabria http://www.ihcantabria.com/
18	Lema Tool www.lifelema.eu/	Diputación Foral de Gipuzkoa www.gipuzkoa.eus/eu/web/					

SPAIN - OBSERVATION / MONITORING (2/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
19	LitterDrone http://litterdrone.eu/index.php/proyecto/	Specific Equipment	Observation	Drone UAV	Scientists	Beach Litter	AEBAM (Asociación Española de Basuras Marinas) http://aebam.org/

SPAIN - AWARENESS RAISING (1/3)								
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)	
1	Mares Circulares https://www.cocacolaespana.es/noticias/2020/tercera-edicion-concurso-mares-circulares	Event	Contest	R&D	Scientists	SME	COCA-COLA ESPAÑA https://www.cocacolaespana.es/inicio	
2	Chiringuitos responsables http://www.chiringuitosyvoluntarios.es/chiringuito-responsable/			Best Practices	SME	Snack bar at beach	Fundación Biodiversidad https://www.fundacion-biodiversidad.es/es	
3	Initiatives Oceanes https://www.initiativesoceanes.org/fr/			(inter)national Clean-up day	International	NGO	Beach Litter	Surfrider Foundation Europe https://surfrider.eu/
4	Limpiezas de playa PROMEMAR http://promemar.es/			Sciences conference		NGO	General public	PROMEMAR http://promemar.es/
5	Agüita con el Plástico https://www.facebook.com/Aguitaconelplastico/	Education	General outreach	On beach	Agency	General public	Lanzarote reserva de Biosfera http://www.lanzarotebiosfera.org/	
6	Ecopuertos https://ecopuertos.org/index.php/pescadores2-2				Port authorities	General public	Asociacion Ecopuertos https://ecopuertos.org/index.php/pescadores2-2	
7	Aulas Libera www.proyectolibera.org				NGO	General public	SEO/BirdLife https://www.seo.org/ ECOEMBES https://www.ecoembes.com/es	
8	Limpieza simultánea de playas http://www.adega.gal/novas.php?id=1034&idioma=gl&sec=9						Asociación por la Defensa Ecológica de Galicia (Adega) http://www.adega.gal/portada.php	
9	La mar de limpio http://lamardelimpio.com/			Fundación Oxígeno http://fundacionoxigeno.org/				
10	Barco Museo Ekoaktiboa http://matermuseum.com/			On board dedicated vessel	Scientists	Schools	MATER Museoa http://matermuseum.com/	
11	FISH-RECYCLE: Apoyando la transición de la industria pesquera hacia una economía circular http://ldac.coag.org/attachment/e55b9e18-aeef-4f6e-97d9-0990df68328d	Education	Targeted outreach	Fishermen	Professional association	Best practices	CEPESCA: Confederación Española de Pesca https://cepesca.es/	
12	Lema https://www.lifelema.eu/fr/				Scientists		Diputación Foral de Gipuzkoa https://www.gipuzkoa.eus/eu/web/	
13	Nada pola borda http://knowledgetool.cleanatlantic.eu/projects/198				Public foundation		CETMAR https://cetmar.org/	
14	Observatorio Medioambiental sobre os residuos sólidos das actividades pesqueiras, acuícolas e portuarias de Galicia (Observatorio OMAR) (website not available, resources are being included onto the CleanAtlantic Knowledge Tool) http://knowledgetool.cleanatlantic.eu/projects/196				Public foundation		CETMAR https://cetmar.org/	

SPAIN - AWARENESS RAISING (2/3)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
15	Guía de boas prácticas do cultivo de mexillón en Galicia para a redución dos lixos mariños https://www.mexillondeg Galicia.org/wp-content/uploads/2018/10/BoasPracticasWeb.-baja-resolucion.pdf	Education	Targeted outreach	Shellfish farmers	Agency	Best practises	Consello Regulador do Mexillón de Galicia https://www.mexillondeg Galicia.org/
16	Negocios sin plástico OCEANS4LIFE https://es.oceans4life.com/plastic-free-businesses			SME	NGO		OCEANS4LIFE https://es.oceans4life.com/
17	Defensa del Mar http://surf-and-clean.com/surf-transmision-de-conocimiento/			Surfers	NGO		Surf and Clean www.surf-and-clean.com
18	Manual de buenas prácticas ambientales para usuarios náuticos http://www.ecologialitoral.com/download_file/view/344/391/391.pdf			Sailors	Scientists		Instituto de Ecología Litoral http://www.ecologialitoral.com/
19	Charlas educativas OCEANS4LIFE https://es.oceans4life.com/beach-cleans			School	NGO	Training	OCEANS4LIFE https://es.oceans4life.com/
20	Limpiezas de playa PROMEMAR http://promemar.es/		Workshop	Training	NGO	General public	PROMEMAR http://promemar.es/
21	Talleres de creación http://www.mardefabula.org/en/roadmap			Art	NGO	General public	Mar de Fábula www.mardefabula.org
22	Marviva exposició http://residus.gencat.cat/ca/ambits_dactuacio/sensibilitzacio/elements_de_comunicacio/exposicio_marviva/	Tools	Traveling Exhibition	Marine litter	Agency	General public	Agència de Residus de Catalunya http://residus.gencat.cat/ca/inici
23	Red para la recuperación de los ecosistemas marinos del Parque Nacional MarítimoTerrestre das Illas Atlánticas de Galicia https://biologosdeg Galicia.org/pdf/guia-de-buenas-practicas_270818_es.pdf		Awareness kit	Guidelines	NGO	General public	Colexio Oficial de Biólogos de Galicia (COBGA) https://biologosdeg Galicia.org/index.html
24	Cuaderno de Bitácora https://fundacionecomar.org/cuadernos-de-bitacora/					Kids (aquatic sports)	Fundación ECOMAR https://fundacionecomar.org/
25	Decálogo Ciudadano https://aebam.org/adhesion-al-decalogo-ciudadano/				Consortium of stakeholders	general public	Grupo de trabajo de basuras marinas (Conama18) http://www.conama.org/conama/download/fil es/conama2018//GTs%202018/16_final.pdf
23	Chiringuitos responsables http://www.chiringuitosyvoluntarios.es/wp-content/uploads/2018/07/decalogo-ampliado_.pdf		Professional association	Snack bar at beach	Fundación Biodiversidad https://www.fundacion-biodiversidad.es/es		
27	Isla Verde http://islasverdes.com/multimedia/			Fishermen	ARVI http://www.arvi.org/		

SPAIN - AWARENESS RAISING (3/3)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
28	Caderno Verde http://www.cadernoverde.gal/category/conecement-o-do-medio/	Tools	Platform	Miscellaneous	Public organisation	Primary schools	SOGAMA http://www.sogama.gal/es
29	Un mar sin desperdicio https://www.estrategiasmarinas.info/un-mar-sin-desperdicio				NGO	Primary schools	Submon https://www.submon.org/es/inicio/
30	Marine Litter-Hub http://marine-litterhub.com/category/recursos/			Training courses	NGO	General public	Asociación Vertidos Cero https://vertidoscero.com/
31	Ocean of Plastics http://oceansofplastics.campusdomar.gal/recursos/				Scientists	General public	Campus do Mar http://campusdomar.gal/
33	Reeducamar https://www.miteco.gob.es/es/ceneam/recursos/mini-portales-tematicos/reeducamar/default.aspx			Ocean literacy	Government (service, agency)	General public	Centro Nacional de Educación Ambiental https://www.miteco.gob.es/es/ceneam/
32	Microtrofic https://microtrofic.wordpress.com/infografias-para-descargar/		Infography		Scientists	General Public	Microtrofic Consortium https://microtrofic.wordpress.com/
34	Mar Sana https://marsana.info/		Video		NGO	General public	Asociación Ambiente Europeo https://ambienteuropeo.org/

SPAIN - CIRCULAR ECONOMY (1/1)								
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)	
1	Upcycling the oceans España https://ecoalf.com/es/p/fundacion-33	Recovery chain organisation	For marine litter		SME	Marine litter	Fundacion ECOALF https://ecoalf.com	
2	REPESCA_PLAS project https://www.programableamar.es/proyectos/repescaplas-valorizacion-material-de-residuos-plasticos-recuperados-del-mar-1				From fishing for litter ops	Technological institute	Marine litter	AIMPLAS https://www.aimplas.es/
3	3r-Fish http://knowledgetool.cleanatlantic.eu/projects/125				fishing net	Consortium of stakeholders	Fishermen	CETMAR https://cetmar.org/
4	3r-Fish http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=home.showFile&rep=file&file=LIFE07_ENV_E_000814_LAYMAN.pdf http://knowledgetool.cleanatlantic.eu/projects/125		For used gears	EPS fish box	Fishermen		CETMAR https://cetmar.org/	
5	3r-Fish http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=home.showFile&rep=file&file=LIFE07_ENV_E_000814_LAYMAN.pdf http://knowledgetool.cleanatlantic.eu/projects/125			Fishing lights	Fishermen		CETMAR https://cetmar.org/	
6	3r-Fish http://knowledgetool.cleanatlantic.eu/projects/125			Batteries	Fishermen		CETMAR https://cetmar.org/	
7	Orlegi Sarea http://reciclajesavi.es/reciclar-redes-de-pesca-para-convertirlas-en-material-textil/	Use of recycled litter	Manufacture of objects	Clothes / sport wear	SME	Fishing nets	EKO-REC https://ekorec.net/	
8	Upcycling the oceans España https://ecoalf.com/es/p/fundacion-33					Marine litter	Fundacion ECOALF https://ecoalf.com	
9	Urak Dakarrena https://www.facebook.com/astore.officialpage/videos/urak-dakarrena/10156632641315942/					PET from marine litter	Astore https://www.ternuagroup.com/	
10	La Fábrica de Coge3 https://www.surferrule.com/coge3-basura-marina-materia-prima/	Use of recycled litter	Manufacture of objects	Combs fins for surfboards orthotics	NGO	Marine litter	Surfruler https://www.surferrule.com/	
11	Proyecto REDERAS http://oceanidas.org/?p=510			Mesh bags (litter collection by diving)	NGO SME	Used fishing nets	Oceanidas https://oceanidas.org/	
12	Sea2See https://www.sea2see.org/			Glasses	SME	Marine litter	Sea2See https://www.sea2see.org/	
13	La Fábrica de Coge3 https://www.surferrule.com/coge3-basura-marina-materia-prima/	Litter recycling	Production of plastic	3D printing filament	NGO	Marine litter	Surfruler https://www.surferrule.com/	

SPAIN - POLICY (1/1)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	ACT4LITTER https://act4litter.interreg-med.eu/	Baseline Document	Guidelines	Litter management	Government (service, agency)	Natural protected site managers	ARC-SCP/RAC (Agencia de Residuos de Cataluña-Centro de Actividad Regional para el Consumo y la Producción Sostenible) http://www.cprac.org
2	Estrategia nacional del sector pesquero para la reducción de basuras marinas https://cepesca.es/proyectos_cepesca/proyecto-estrategia-sectorial-de-cepesca-para-la-contribucion-del-sector-pesquero-a-la-reduccion-de-basuras-marinas/				Professional association	Marine litter	CEPESCA: Confederación Española de Pesca https://cepesca.es/
3	Grupo de trabajo de basuras marinas (Conama 2018) http://www.conama.org/conama/download/files/conama2018/GTs%202018/16_final.pdf		State of the art	Litter management	Consortium of stakeholders	Marine litter	ACA (Asociación de Ciencias Ambientales) www.cienciasambientales.org.es/
4	Grupo de trabajo de basuras marinas (Conama 2018) http://www.conama.org/conama/download/files/conama2018/GTs%202018/16_final.pdf	(Inter)national forum	Working group	National	Consortium of stakeholders	Marine litter	ACA (Asociación de Ciencias Ambientales) www.cienciasambientales.org.es/
5	Red Española sobre Basuras Marinas BAMAR http://redbasurasmarrinas.net				Scientists	Marine litter	Universitat de Barcelona (Geociencias Marinas) http://www.ub.edu/geomarines/index_es.html
6	Micro2020 https://micro2020.sciencesconf.org/		Conference	International	Scientists	Microplastics	https://micro2020.sciencesconf.org/

PORTUGAL - CLEAN-UP / RECOVERY (1/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	Berlengas https://www.berlengas.eu/	Clean-up Ops (On shoreline)	Citizen clean-up	Manual (usual)	Volunteers	Beach litter	Município de Peniche http://www.cm-peniche.pt/
2	Coastwatch Portugal https://coastwatchnacional.wixsite.com/coastwatch-portugal				Volunteers	Beach litter	Geota http://www.geota.pt/scid/geotawebpage/
3	Coastwatch Portugal https://coastwatchnacional.wixsite.com/coastwatch-portugal				Volunteers	Beach litter	Centro português de actividades subaquaticas https://cpas.pt/
4	Escola Azul https://escolaazul.pt/en/atividades				Students	Beach litter	Direção-Geral de Política do Mar https://www.dgpm.mm.gov.pt/
5	Ha mar e mar ha ir e limpar http://www.cm-saovicente.pt/campanha-ha-mar-e-mar-ha-ir-e-limpar/				Volunteers	Beach litter	Câmara Municipal de São Vicente https://www.camarasaovicente.sp.gov.br/
6	International Costal Cleanup Day https://en.aplixomarinho.org/aplm-e-o-icc				Volunteers	Beach litter	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/
7	Limpar Portugal http://www.amoportugal.org/pt/limparportugal				Volunteers	Beach litter	Amo Portugal https://www.amoportugal.org/
8	Mares Circulares https://cm-portosanto.pt/mares-circulares-limpam-praia-do-porto-santo/				Volunteers	Beach litter	Município do Porto Santo https://cm-portosanto.pt/
9	Mariscar sem lixo https://www.ocean-alive.org/mariscar-sem-lixo-campanha				Volunteers	Beach litter	Ocean alive https://www.ocean-alive.org/
10	Mar sem lixo http://www.docapesca.pt/pt/comunicacao/noticias/item/mar-sem-lixo.html				Volunteers	Beach litter	CAPA - Cooperativa Armadores da Pesca Artesanal C.R.L. - OP
11	Pesca por um mar sem lixo				Volunteers	Beach litter	Apropesca - Organização de Produtores da Pesca Artesanal
12	Praia Mais Limpa com... https://bandeirazuul.abae.pt/projetos/praias-mais-limpa-com/				Volunteers	Beach litter	Associação Bandeira Azul da Europa https://bandeirazuul.abae.pt/

PORTUGAL - CLEAN-UP / RECOVERY (2/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
13	Praia Mais Limpa com... https://bandeiraazul.abae.pt/projetos/praias-limpa-com/	Clean-up Ops (On shoreline)	Citizen clean-up	Manual (usual)	Volunteers	Beach litter	Câmara Municipal de Mafra https://www.cm-mafra.pt/
14	Unnamed				Volunteers	Beach litter	Ambialistas https://www.facebook.com/ambialistas/
15	Unnamed				Volunteers	Beach litter	APS. S.A. - Administração dos Portos de Sines e do Algarve https://www.portodesines.pt/
16	Unnamed				Volunteers	Beach litter	ASPEA www.aspea.org
17	Unnamed				Volunteers	Beach litter	Apropesca - Organização de Produtores da Pesca Artesanal
18	Unnamed				Volunteers	Beach litter	Brigada Do Mar http://www.brigadadomar.org/
19	Unnamed				Volunteers	Beach litter	CASCAISEA associação ambiental https://cascaisea.pt/pt/
20	Unnamed				Volunteers	Beach litter	Centro de Educação Ambiental de Esposende https://www.esposendeambiente.pt/
21	Unnamed				Volunteers	Beach litter	Ciência Viva https://www.jf-parquedasnacoes.pt/pages/668?event_id=274
22	Unnamed				Volunteers	Beach litter	Instituto das Florestas e conservação da Natureza IP-RAM https://ifcn.madeira.gov.pt/
23	Unnamed				Volunteers	Beach litter	Rheadive https://www.rheadive.com/fr/
24	Unnamed				Volunteers	Beach litter	Sciaena http://www.sciaena.org
25	Unnamed				Volunteers	Beach litter	SEA LIFE Porto www.visitsealife.com/porto
26	Unnamed				Volunteers	Beach litter	Straw Patrol https://www.facebook.com/StrawPatrol
27	A pesca por um mar sem lixo http://www.docapesca.pt/pt/comunicacao/noticias/item/mar-sem-lixo.html	Clean-up Ops (at-sea)	Fishing for litter		Fishermen	Sea litter	Docapesca http://www.docapesca.pt
28	Adopt a dive site https://www.projectaware.org/adoptadivesite		By diving	Scuba	Volunteers	Seabed Litter	Azul Diving Center https://www.azuldiving.com/?lang=fr
29	O mar começa aqui https://ecoescolas.abae.pt/o-mar-comeca-aqui/	Incentive scheme	Signage tool	Plaque / Tag	Local authorities	Urban litter	Associação Bandeira Azul da Europa https://bandeiraazul.abae.pt/

PORTUGAL - OBSERVATION / MONITORING (1/1)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	EMEPC Campanhas https://en.emepc.pt/campanhas	Litter Survey Ops (at sea)	(inter)National monitoring network	Standardized protocole	Scientists	Seabed litter	Estrutura de Missão para a Extensão da Plataforma Continental https://www.emepc.pt
2	Ephemare www.jpi-oceans.eu/ephemare	Litter impact Assessment	Research study	Fauna	Scientists	Microplastic	CIIMAR https://www2.ciimar.up.pt/
3	PlasticGlobal https://www.compete2020.gov.pt/noticias/detalhe/Proj16885-PlasticGlobal-CIIMAR-IDT-NL156-24052018			Trophic chain	Scientists	Microplastic	Marine and Environmental Sciences Centre (MARE) https://www.mare-centre.pt/en/proj/plasticglobal
4	Geota Questionarios https://docs.google.com/forms/d/e/1FAIpQLSdZ3vSF91bKU4tl5QuNVb83eq6XQyuCFReguThXOdWSA9KBFQ/formResponse	Support Tool	Application	Observations	Volunteers	Beach Litter	Geota http://www.geota.pt/scid/geotawebpage/
5	Lixomarinho app https://lixomarinho.app				Volunteers	Beach Litter	Lixo Marinho https://lixomarinho.app
6	Lixomarinho platform https://lixomarinho.app/national-statistics?id=57				Web viewer	Monitoring results	Volunteers
7	EMEPC Campanhas https://en.emepc.pt/campanhas	Specific equipment	Observation	ROV	Scientists	Seabed litter	Estrutura de Missão para a Extensão da Plataforma Continental https://www.emepc.pt

PORTUGAL - AWARENESS RAISING (1/2)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	Escultura de Lixo Marinho - Comemoração do Dia dos Oceanos N/A	Event	Artist exhibition		Port authority	Marine litter	Tecnovia Madeira (Porto de Recreio da Calheta) http://portorecreioicalheta.pt/
2	Mar Motto https://www.sciaena.org/pt/projetos/32-mar-motto				NGO	Marine litter	Sciaena www.sciaena.org
3	Art'EcoMar https://oom.arditi.pt/index.php?page=edu&sub=intr-oedu		Contest	Drawing	Scientist	Marine litter	Observatório Oceânico da Madeira https://oom.arditi.pt/
4	Dizer Não ao balão https://www.aplixomarinho.org/aplm-recomenda		(inter)national programme	National campaign	NGO	Ballons	APLM - Associação Portuguesa do Lixo Marinho https://www.aplixomarinho.org
5	Brigada do Mar http://www.brigadadomar.org/o-projecto.html	Education	General Outreach	On beach	NGO	General public	Brigada Do Mar http://www.brigadadomar.org/
6	Coastwatch https://coastwatchnacional.wixsite.com/coastwatch-portugal				NGO	General public	Centro português de actividades subaquaticas https://cpas.pt/
7	Coastwatch https://coastwatchnacional.wixsite.com/coastwatch-portugal				NGO	General public	Geota http://www.geota.pt/scid/geotawebpage/
8	Mariscar sem lixo https://www.ocean-alive.org/mariscar-sem-lixo-campanha				NGO	General public	Ocean alive https://www.ocean-alive.org/
9	O Lixo Marinho vai à Escola https://en.aplixomarinho.org/ofertaeducativa3				NGO	General public	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/
10	MaRaM N/A				Scientists	General public	Instituto das Florestas e conservação da Natureza IP-RAM https://ifcn.madeira.gov.pt/
11	Unnamed N/A				NGO	General public	Straw Patrol https://www.facebook.com/StrawPatrol/
12	Lixo Marinho https://en.aplixomarinho.org/copia-oferta-educativa-corriger			Training Course	Scientists	General public	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/
13	Lufinha School Tour http://www.lufinha.pt/schooltour			NGO	School	Oceano Azul Fundacao https://www.oceanoazulfoundation.org/	
14	Unnamed			NGO	Lecture	General public	APPDCO Associação Pescadores Profissionais e Desportivos do Cais do Ouro https://www.facebook.com/groups/211514556264238/

PORTUGAL - AWARENESS RAISING (2/2)								
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)	
15	A Pesca por um Mar Sem Lixo http://www.docapesca.pt/pt/comunicacao/noticias/item/mar-sem-lixo.html	Education	Targeted Outreach	Sea Professional	Fishermen Organisation	Fishermen	Apropesca - Organização de Produtores da Pesca Artesanal	
16	Guardiães do Mar www.ocean-alive.org/guardias-do-mar			Sea Professional	NGO	Shellfish and fishermen' women	Ocean alive https://www.ocean-alive.org/guardias-do-mar	
17	Kelp https://www.sailorsfortheseaportugal.org/kelp			Sailing	NGO	Sailors (kids)	Sailors for the Sea www.sailorsforthesea.pt	
18	Clean regatas https://www.sailorsfortheseaportugal.org/			Sailing	NGO	Sailors	clean-regattas Sailors for the Sea www.sailorsforthesea.pt	
19	Escola Azul https://escolaazul.pt/			Schools	Collectivities	Schools	Portuguese Ministry https://www.dgpm.mm.gov.pt/	
20	Lixo Marinho https://en.aplixomarinho.org/ofertaeducativa4			General public	NGO	General public	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/	
21	Os Suspeitos do Costume https://bandeiraazul.abae.pt/recursos/exposicoes-bandeira-azul/os-suspeitos-do-costume	Tool	Awareness kit		NGO	General public	Associação Bandeira Azul da Europa https://bandeiraazul.abae.pt/	
22	Exposição sobre Lixo Marinho https://en.aplixomarinho.org/ofertaeducativa5		Travelling Exhibition			NGO	General public	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/
23	Redes fantasma no Litoral Norte https://esposendeambiente.pt/index.php/107-noticias-2016/710-esposende-desenvolveu-estudo-pioneiro-sobre-as-redes-fantasma-no-litoral-norte.html			Ghost nets	Collectivities	General public Fishermen	Município de Esposende https://www.municipio.esposende.pt/	
24	Os Suspeitos do Costume https://bandeiraazul.abae.pt/recursos/exposicoes-bandeira-azul/os-suspeitos-do-costume		Game			NGO	General public	Associação Bandeira Azul da Europa https://bandeiraazul.abae.pt/
25	A Pegada do Lixo Marinho https://bandeiraazul.abae.pt/recursos/jogos/a-pegada-do-lixo-marinho/			litter degradation	NGO	General public	Associação Bandeira Azul da Europa https://bandeiraazul.abae.pt/	

PORTUGAL - POLICY (1/1)							
#	IMA (Name / Website)	Sub-Category	Type	Sub-type	Type of actors involved	Target (litter, stakeholder, theme)	Organisation (Name / Website)
1	BASEMAN - Defining the baselines and standards for microplastics analyses in European waters http://www.jpi-oceans.eu/baseman/main-page	Baseline Document	Guidelines	Monitoring	Research Consortium	Microplastics	IPMA - Instituto Português do Mar e da Atmosfera http://www.ipma.pt/
2	Lixo Marinho :um Problema sem fronteiras https://www.aplixomarinho.org/aplm-recomenda		State of the art	Litter management	Research Consortium	Marine litter	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/
3	Conferência Portuguesa sobre Lixo Marinho e Microplásticos https://www.aplixomarinho.org/2cplm	(inter)national forum	Conference	National	Research Consortium	Marine litter	Associação Portuguesa do Lixo Marinho (APLM) https://en.aplixomarinho.org/

