CleanAtlantic

Tackling Marine Litter through regional cooperation

Cedre Information Day
5th March 2019
Paris. La Défense

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CETMAR

Interreg
Atlantic Area
European Regional Development Fund

EUROPEAN UNION

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The project: CleanAtlantic

Objective: protect biodiversity and ecosystem services in the Atlantic Area by :
- Increasing knowledge on marine litter and facilitating access to it;
- improving capabilities to monitor, prevent and remove marine litter;
- raise awareness and change attitudes among stakeholders.

Funding Programme: INTERREG Atlantic Area 2014 – 2020.

Budget: 3.249.241,04€ (75% ERDF).

Duration: 3 years (September 2017 - August 2020).

Partners: 18 organisations coming from 5 countries (IE, UK, FR, ES, and PT).

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Partnership

Working streams

Mapping knowledge & stakeholders

Awareness raising

Monitoring & data management

CAPITALISATION
OSPAR, MSFD, INSPIRE, ML projects,…

Waste management, F4L, ALDFG removal & beach cleanup protocols

Mapping & modelling of marine litter

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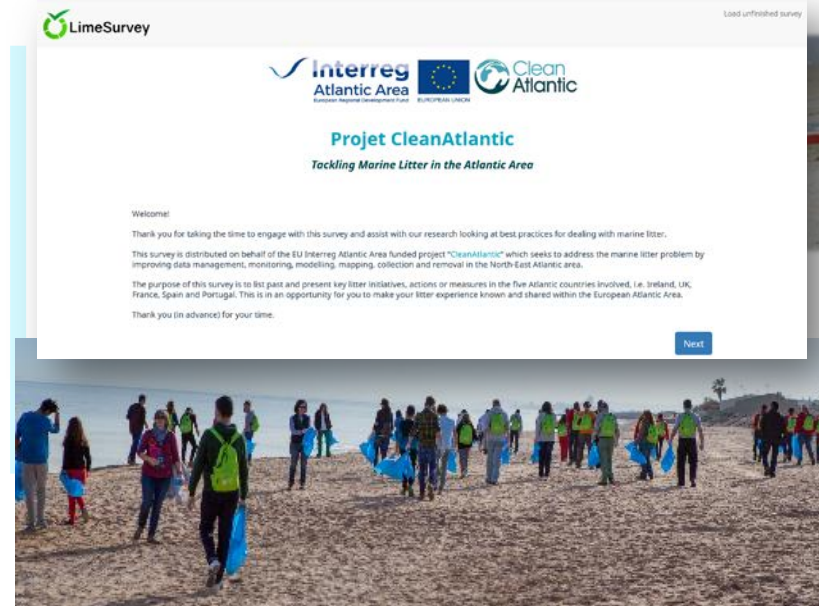European Regional Development Fund

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Marine Litter Knowledge. Economic impacts

Actions:

- Compilation and assessment of marine litter information available in the Atlantic Area;
- Identification of stakeholders, best practices, and relevant initiatives;
- Analysis of the economic impacts of marine litter on different sectors.
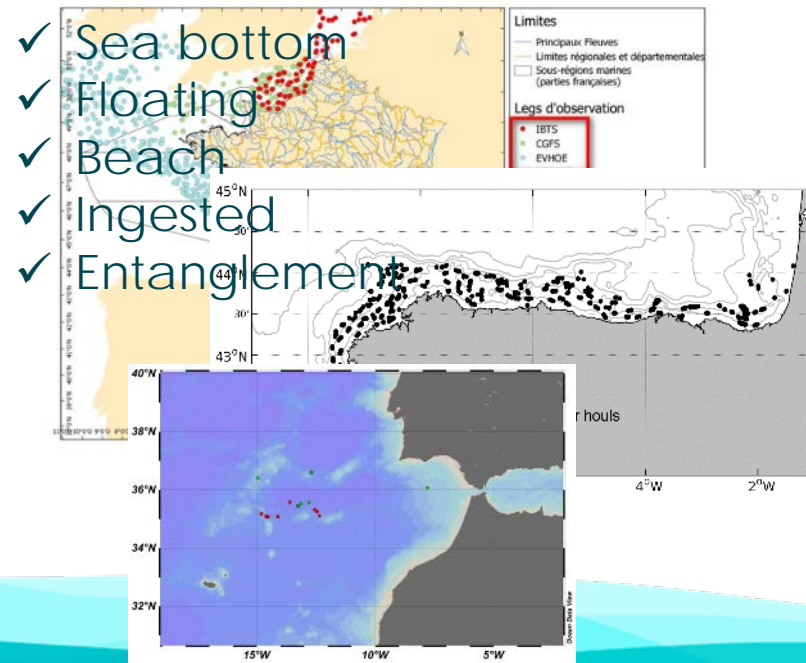
✓ Sea bottom
✓ Floating
✓ Beach
✓ Ingested
✓ Entanglement

# Marine Litter Knowledge. Economic impacts

Actions:

- Compilation and assessment of all marine litter information available in the Atlantic Area;
- Identification of stakeholders, best practises, and relevant initiatives;
- Analysis of the economic impacts of marine litter on different sectors.

Results:

- Report on marine litter actual status, information gaps, and recommendations;
- Interactive map showing available data;
- Report and map of initiatives and stakeholders;
- Online database of projects & resources sorted by knowledge areas;
- Economic impact studies and recommendations:
 - 5 case studies.

Organisation :	Saving oceans
Name of initiative :	Clean shoreline
Status of action :	In progress
Category :	Litter collection
Main litter	Beach litter
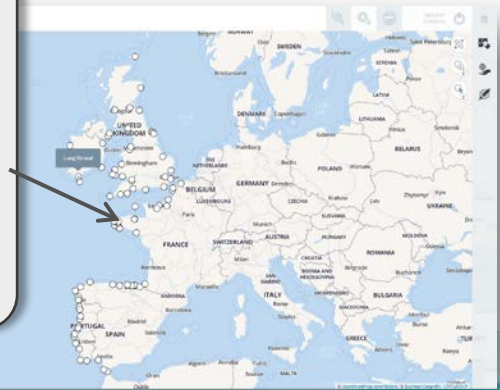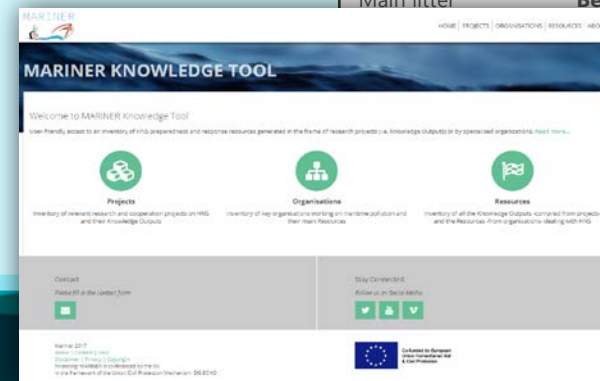
Data Management, Monitoring, and Impact

Actions:

- Reinforcement and support of harmonized monitoring of marine litter in the framework of the Marine Strategy Framework Directive (MSFD):
  - Designing databases and applications for managing data;
  - Assessing new technologies for monitoring;
  - Searching for adequate environmental impact indicators;
  - Bringing insight into the risks and impacts of marine litter: e.g. cigarette butts & cotton buds.
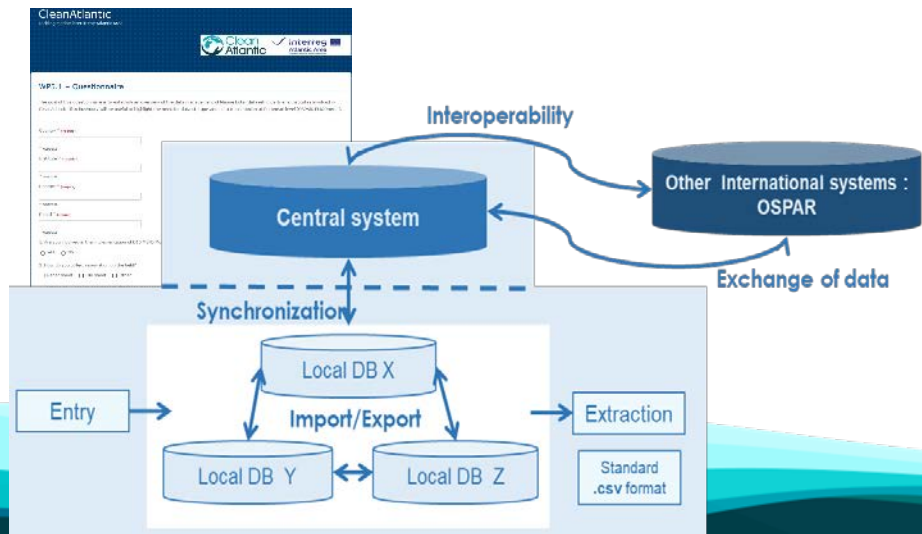
Plastic Pollution in Alepisaurus ferox (N. Atlantic Ocean)

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Results:

- DB interfaces and apps to store and analyse data;
- Improvement of monitoring capabilities and procedures;
- Proposals for MSFD impact indicators: ingestion & entanglement;
- Study of harm caused by cotton buds and cigarette filters;
- Study on marine litter as a Non Indigenous Species vector.

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Mapping and Modelling

Actions:

- Review of the state-of-the-art of marine litter models;
- Development of software to include marine litter processes in hydrodynamic models;
- Assessment of the fate of marine litter using models: hotspots mapping;
- Modelling influence of land, river and ocean based sources;
- Assessment of impact of potential mitigation measures.

MOHID Lagrangian
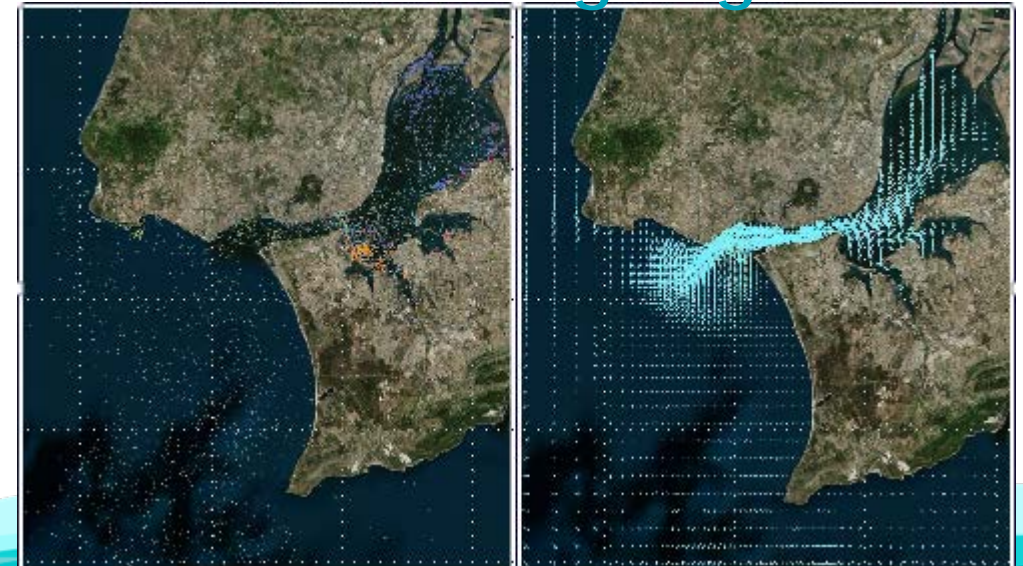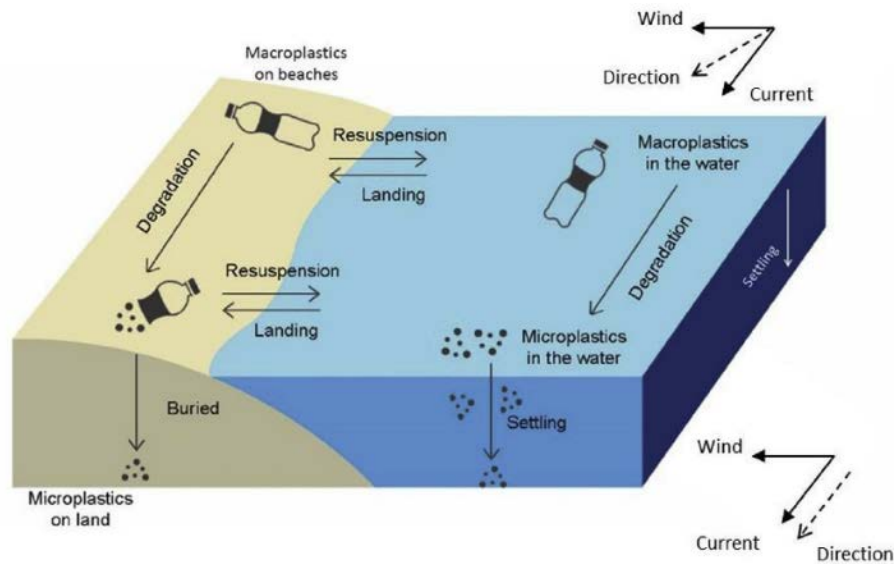
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- Modelling influence of land, river and ocean based sources;
- Assessment of impact of potential mitigation measures.

Results:

- Report on state-of-the art on marine litter models;
- Marine litter transport tool: open source Lagrangian model;
- Maps of hotspots;
- Maps of influence of river, land, and ocean-based sources;
- Marine litter reduction scenarios.
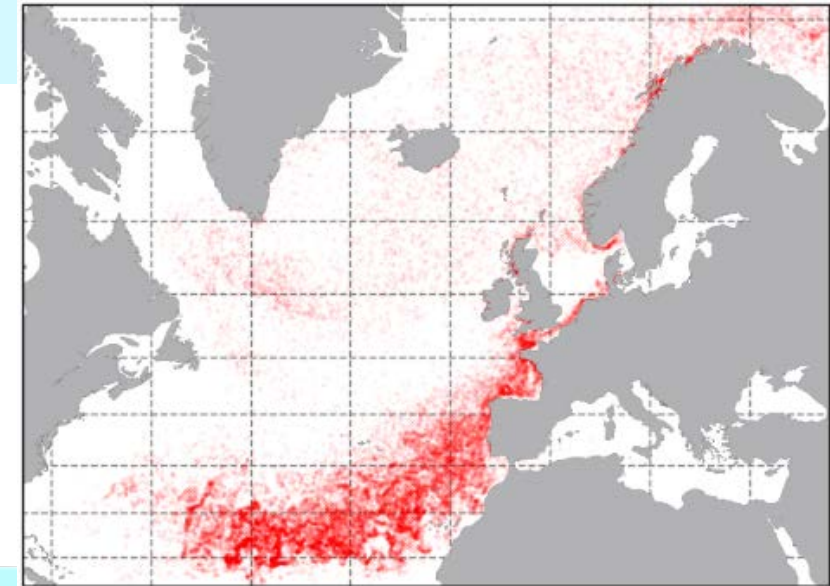
Prevention and Removal Actions

Actions:

- Compilation and assessment of information on best practices and protocols for:
  - Waste management onboard and in ports;
  - Fishing for litter activities (+ pilot actions);
  - Ghost gears: prevention, removal, and impact (+ pilot actions);
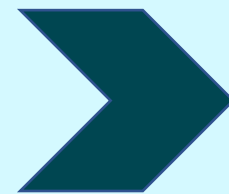 - Routinely beach clean-up by municipalities.

Prevention and Removal Actions
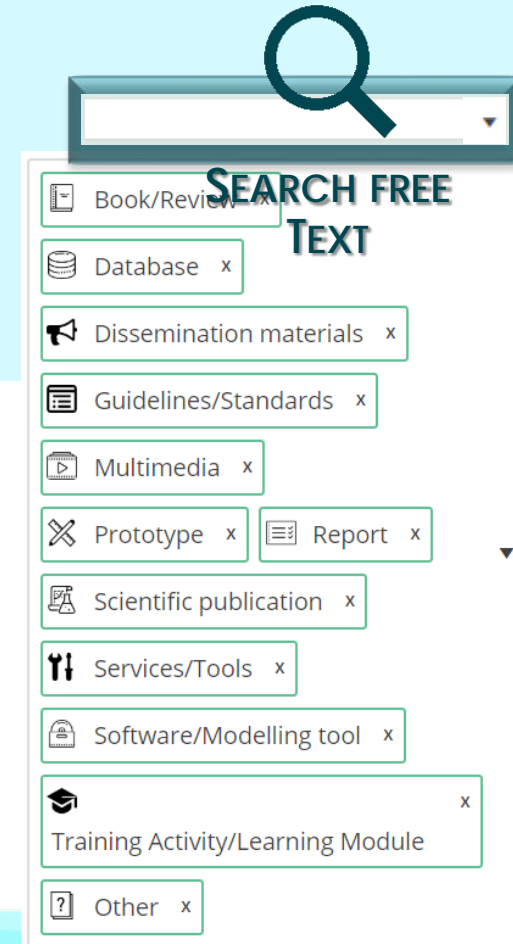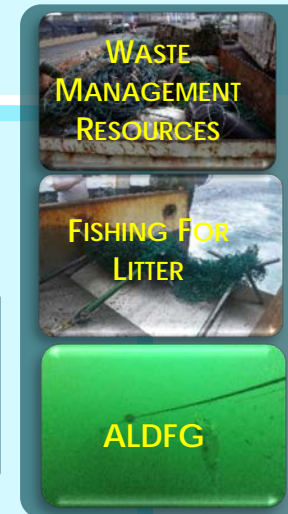
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  - Waste management onboard and in ports;
  - Fishing for litter activities (+ pilot actions);
  - Ghost gears: prevention, removal, and impact (+ pilot actions);
  - Routinely beach clean-up by municipalities.

Results:

- Best practices for:
  - Waste management;
  - Fishing for litter;
  - Ghost gears removal;
  - Inventory of beach litter collection techniques & Operational guide for manual and mechanical clean-up;
- Case studies: FfL (2 in ES) and Ghost gears removal (2, in ES and UK).
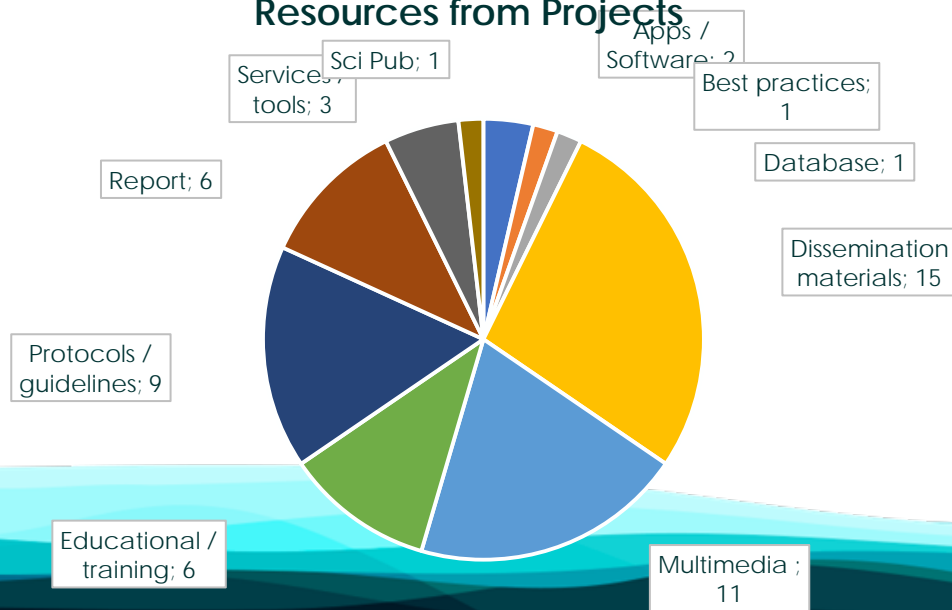
Online database with search engine

WASTE MANAGEMENT RESOURCES

FISHING FOR LITTER

ALDFG

SEARCH FREE TEXT

- Book/Review x
- Database x
- Dissemination materials x
- Guidelines/Standards x
- Multimedia x
- Prototype x   Report x
- Scientific publication x
- Services/Tools x
- Software/Modelling tool x
- Training Activity/Learning Module x
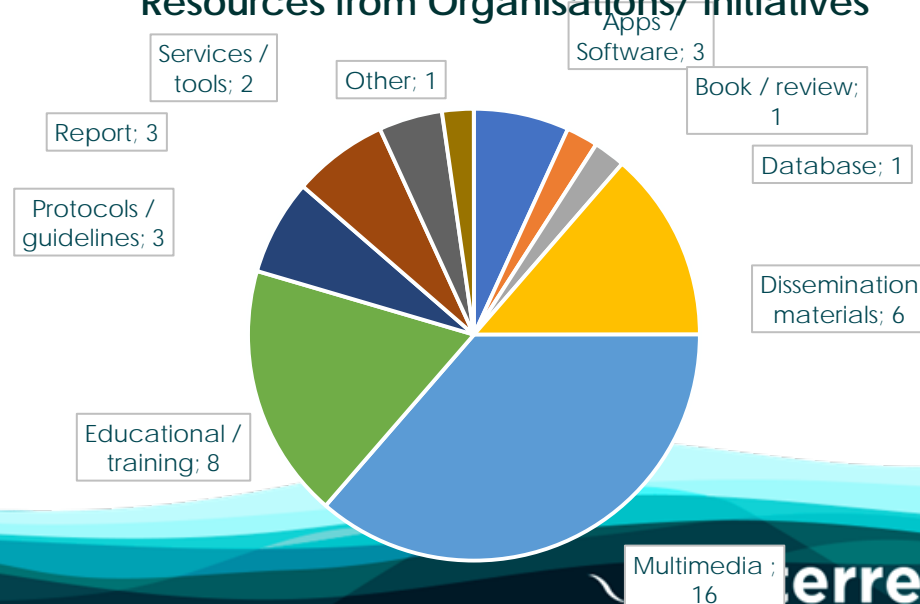- Other x

Awareness Raising

Actions:

- Awareness strategy
- Identification of priorities for awareness raising in participating regions: local context & target public
- Compilation and assessment of existent awareness-raising initiatives & materials;
- Production/adaptation of awareness-raising materials;
- Organization of awareness-raising activities/events.

Resources from Projects

- Sci Pub; 1
- Apps / Software; 2
- Services / tools; 3
- Best practices; 1
- Report; 6
- Database; 1
- Dissemination materials; 15
- Protocols / guidelines; 9
- Educational / training; 6
- Multimedia ; 11

Resources from Organisations/ initiatives

- Services / tools; 2
- Other; 1
- Apps / Software; 3
- Book / review; 1
- Report; 3
- Database; 1
- Protocols / guidelines; 3
- Dissemination materials; 6
- Educational / training; 8
- Multimedia ; 16

¿QUÉ PASA CON LOS PLÁSTICOS QUE UTILIZAMOS?

Muchas aves pelágicas confunden los olores que liberan los plásticos en el mar con el producto de la reacción química que libera el zooplancton cuando se alimenta de fitoplancton. Atraídas por estos aromas desde grandes distancias, esta confusión tiene efectos muy nocivos para estas importantes aves marinas.

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Awareness Raising

Actions:

- Compilation and assessment of existent awareness-raising initiatives;
- Identifying priorities for awareness raising in participating regions: Local context, target public, etc.;
- Production/adaptation of awareness-raising materials;
- Organization of awareness-raising activities/events.

Results:

- Awareness raising packages adapted to target local actors and contexts;
- Awareness raising actions in the 5 countries addressing different audiences: tourists, students, fishermen, etc.;
- Increased awareness and behavior changes.

Capitalisation

Actions:

- Capitalisation and transference of CleanAtlantic results;
- Looking for synergies with other related initiatives and participation in European working groups:
  - OSPAR Marine Litter Regional Action Plan;
  - Marine Strategy Framework Directive; INSPIRE;
  - Atlantic Strategy;
  - Other projects: LitterDrone, OceanWise, etc.

Results:

- Orientation of project results to the priorities identified by European working groups;
- Project results built on last progress made by other related initiatives;
- Transference of results to organizations with competences on marine litter and related key actors.

Communication

www.cleanatlantic.eu
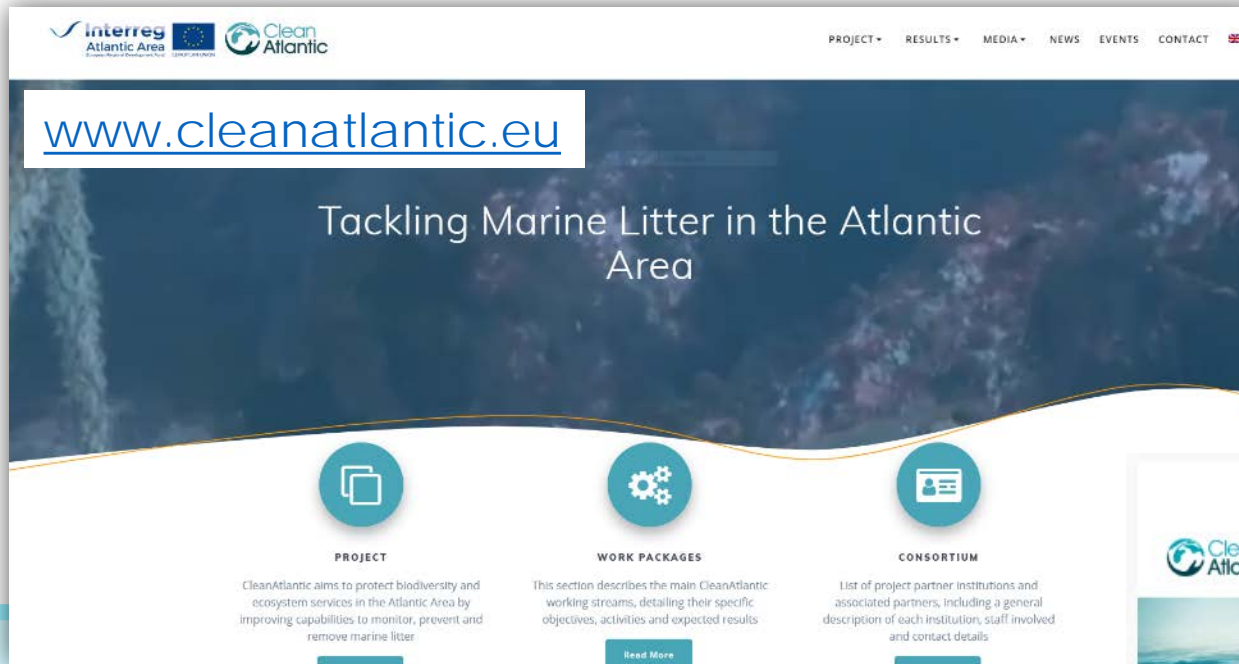
Results:

- 🐦 @Clean_Atlantic
- 📷 @CleanAtlantic project
- 📘 @CleanAtlantic project
- Posters, leaftlets, newsletters;
- 8 workshops (3 UK, 1 PT, 1 IE, 1 ES, 1 FR, 1 Brussels);
- 1 Final Conference: Vigo 2020.

Thank you very much!

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