

CleanAtlantic

Tackling Marine Litter
in the Atlantic Area

Marine Litter LOC-app

User Manual

WP	5
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DISCLAIMER

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User Manual

1. BACKGROUND

In the framework of CleanAtlantic project, the Technological Institute for the Marine Environment Monitoring of Galicia (INTECMAR) developed the mobile application *Marine Litter LOC-app* with the objective of facilitate and homogenize data collection of marine litter piled-up areas along the coast.

Marine Litter LOC-app allows geolocalize the zones of accumulation, their characteristics and dimensions, add pictures and comments, as well as collect specific information about the marine litter. *Marine Litter LOC-app* was created with the purpose of being used during managed monitoring sessions where a coordinator (with the profile of Administrator) must previously choose those sector that will be monitored and must assign each sector to whom will collect data (with the profile of User).

Marine Litter LOC-app has three help manuals and an annex:

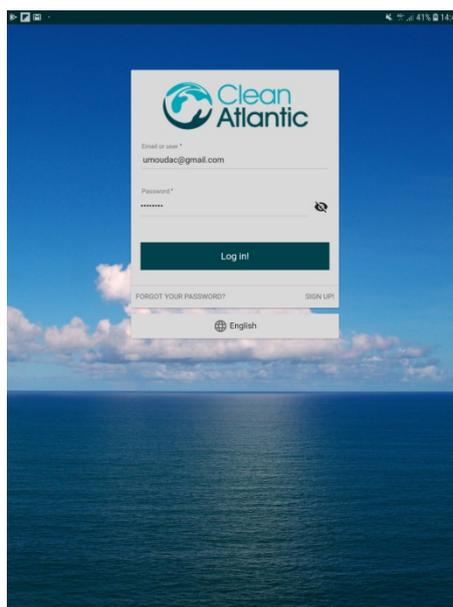
- Installation Manual.
- Administrator Manual.
- User Manual (content in this document).
- Annex: Diagram of the data base.

2. DOWNLOAD AND IDENTIFICATION

The application is available at www.cleanatlantic.eu. To download it, it is necessary to activate the "unknown sources" option on the device from which it is going to be used.

If it is the first time it is accessed, you must contact the sampling coordinator or Administrator, who will provide the credentials to access the application to the user.

Once the access credentials are available, the users must identify themselves through their email and password. This will allow you to access your profile and send the data once saved.



3. HOME SCREEN

Once inside the application, the initial screen allows access to the **Configuration Menu**, **Help** and **Contact**.

By clicking on the menu button (upper left margin) the following options are displayed:

- a) Change language (Spanish, Galician, English).
- b) Consult transects linked to the account. (If you do not agree with the assigned transects, contact the administrator).
- c) Frequently asked questions.
- d) Contact information.
- e) Disconnect the account.
- f) Consult the inspection history. By clicking on each of the inspections, you can access its data. Those whose data has been sent to the administrator cannot be edited (red padlock). As long as they have not been sent, they are saved for later editing (green padlock).
- g) Start a new inspection

Clicking on the (+) button a new inspection is added. From that moment on, the information related to the inspection begins to be filled in. The (+) button allows you to add new information at all times.



4. NEW INSPECTION

Each inspection consists of four steps:

1. Fill in the form with the general data of the inspection.
2. Characterization of the accumulation zones found.
3. Review of recorded data.
4. Sending the data.

Navigation between the different steps can be done using the next button (lower right margin) or using the buttons on the toolbar (marked in red in the following figure).

4.1. Inspection Form

When the inspection begins, the application automatically completes the date and time data, although it can be edited if necessary.

The transect in which the inspection is to be performed must be selected. For a correct geolocation of the accumulations it is necessary to have the GPS activated in the device that is going to be used during the inspection.

The application allows collecting information from up to two types of elements that can be used as indicators or tracers. As they are the most common in the area where the application is developed (Galicia), batea sticks from mussel farming platforms (bateas) have been used, but the most appropriate tracer can be used according to the sampling area (consult with the coordinator of the inspection area).

If you are going to collect tracers, you must mark the corresponding box. Do not forget that once collected, the number of tracer 1 (whole stick) and tracer 2 (half or broken stick) that have been found must be indicated.

The image shows a mobile application interface for an inspection form. At the top, there is a dark green header with a back arrow and the title 'Inspección'. Below the header is a navigation bar with icons for a calendar, location, menu, and share. The main form area is white and contains several sections: 'Hora de inicio' with a calendar icon and the value '08/05/2020 10:10', 'Hora de fin' with a time selection icon, 'Transecto' with a location pin icon and the value 'Demo (Praia de San Xurxo): Ferrol', 'Tipo de inspección' with two checked checkboxes for 'Acúmulos' and 'Palillos', 'Palillos partidos' and 'Palillos enteros' with pencil icons, and 'Muestreador' with a person icon and the value 'Demo User'. A dark green button labeled 'SIGUIENTE' is located at the bottom right of the form. The Android navigation bar is visible at the very bottom.

4.2. Characterization of the accumulation zones

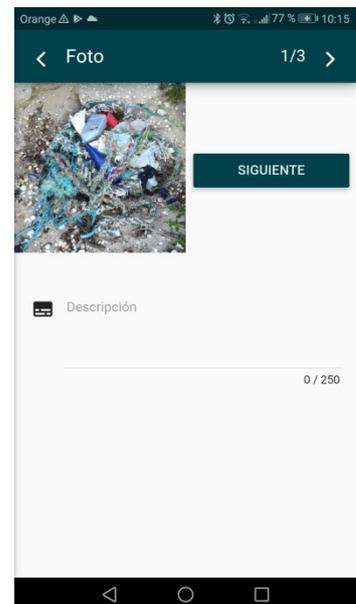
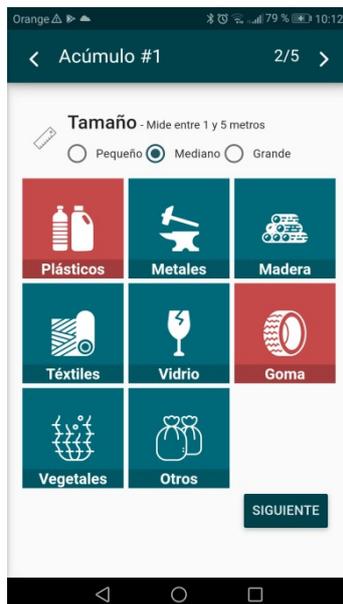
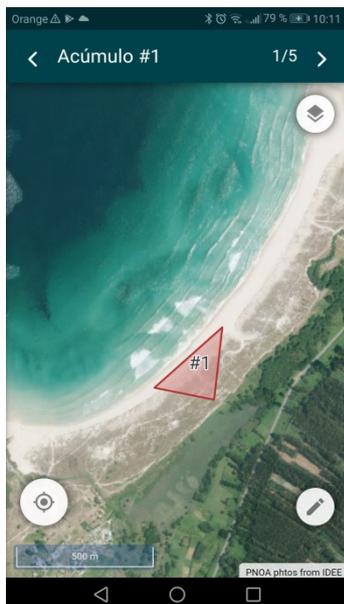
In this second step you can use the editing tools that allow:

- Add a photo of the transect status (optional).
- Add general comments about the sampling (optional).
- Add the accumulations found.



To characterize each of the accumulations, use the editing tool that best suits it (point, line or polygon). Its size and composition must be indicated by clicking to create a vertex and double click to finish.

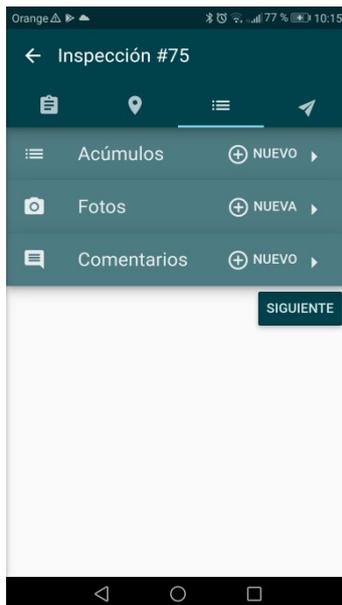
Finally, you can add a photo and/or a comment. This last step is not mandatory but is highly recommended.



4.3. Data review

In this third step you can both review the information already entered, and add new information.

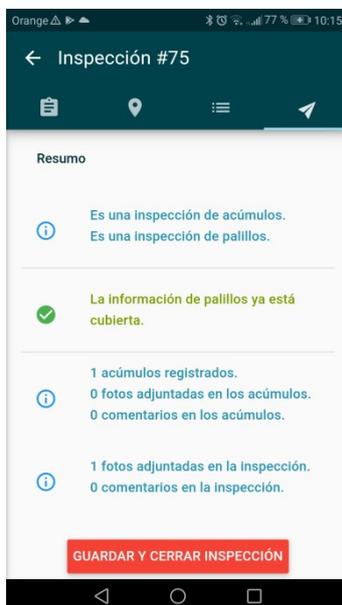
You can access each of the sections in order to review the recorded information or also use the (+) button to enter new data.



4.4. Sending the collected data

Once the inspection is complete, the data can be sent to the database automatically. Once sent, the data cannot be edited, and the inspection will only be available in the historical for consultation. The data sent will be received by the Administrator and will become part of the database for that sampling area.

If you do not want to send the information in order to it be able to review later, you must leave the application without sending it. The inspection and all its associated data will be accessible in the historical as described in section 4.3.



5. CONTACT INFORMATION

For further information, you can contact us through the following channels:

- **E-mail:** udac@intecmar.gal
- **Phone:** 986512320 Extensions 236/208
- **Web:** www.intecmar.gal; www.cleanatlantic.eu