

WEBTOOL USER MANUAL



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¿What is Open WebTool?

Open Web Tool is a support tool for environmental specialists that helps to plan and predict reforestation project outcomes in order to choose the most suitable one.

A Plantation Case is a proposal for a reforestation project, which includes project data, costs, worker productivity, and the planting method to be used.

Based on this initial data, the tool calculates cost estimates, work times, and liters of water to be used.

For the same reforestation project, different plantations cases can be proposed to compare the results and choose the most optimal one. Each plantation case consists of:

- **Input data (specification of each case):** Data used to define each plantation case, indicating the project duration, the number of trees to be planted, the number of workers, and the number of fog collectors to be used.
- **Starting data (data used for calculations):** For each plantation case to be calculated, you can select which values from the cost, method, and productivity tables you want to use.

- **Costs:** Data that allows the calculation of the cost of items used in the plantation, such as collectors (COLLECTOR COST), transportation (TRANSPORTATION COST) and other additional costs (ADDITIONAL COST) like trees, water and hoses.
- **Methods:** Data used to define the planting method to be used, including information about the cost of materials for that method, planting productivity, irrigation requirements, or survival rate.
- **Productivity:** Data used to calculate the required work duration and costs, including information about land preparation time, installation of irrigation systems and collectors, workdays, and wages. It also includes information to calculate the productivity of the collectors based on the impact surface area and water capture capacity for each type of collector used (traditional and innovative).
- **Output data (results):** Based on the input data, the project costs, required work duration, and liters of water used will be calculated.

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1.

Platform Use

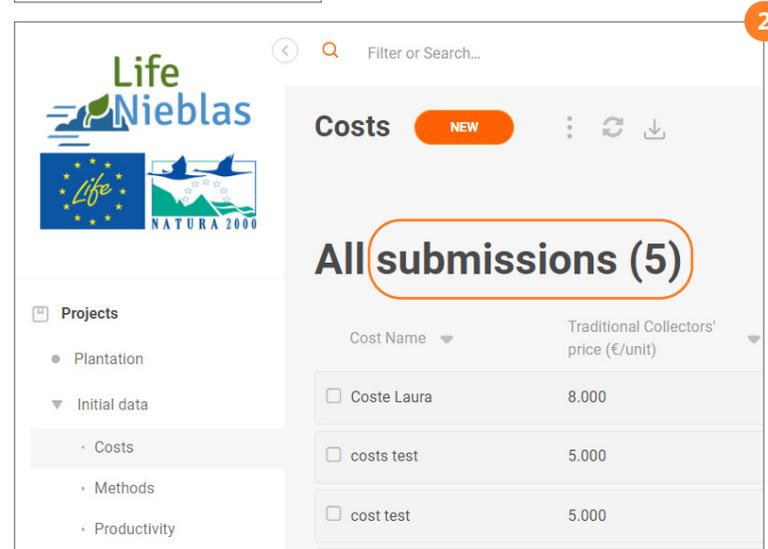
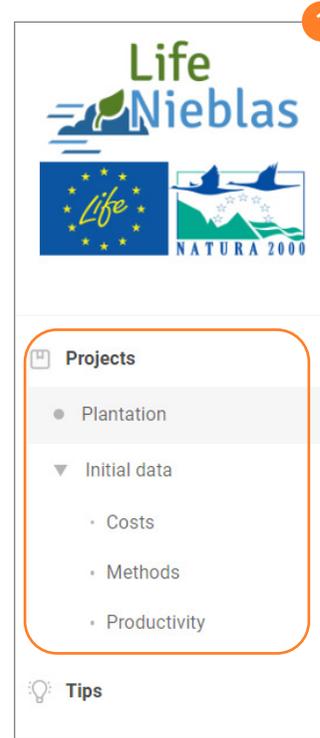
1.1

How is the information organized?

The information stored in the platform is organized in **tables**. The list of available tables is displayed in the **'Projects'** section. By clicking on each table, the information contained within will be displayed¹.

Each table consists of columns which are fixed and define the structure of the data to be stored. Each of these columns is called **'field'**, and each field stores a type of data (text, number, options, etc.). To add information to each table you may create new rows that contain a value for each field.

Each of these sets of values or rows is called a **'submission'**².



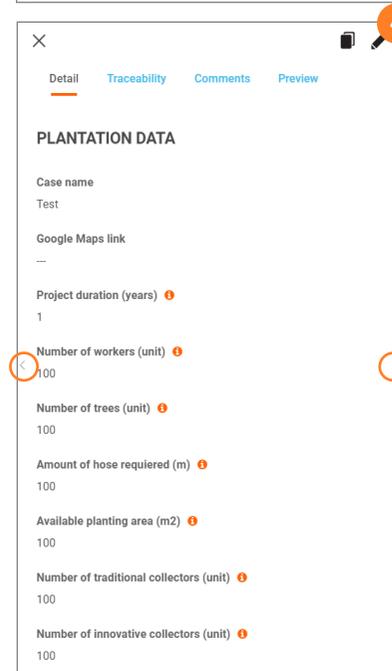
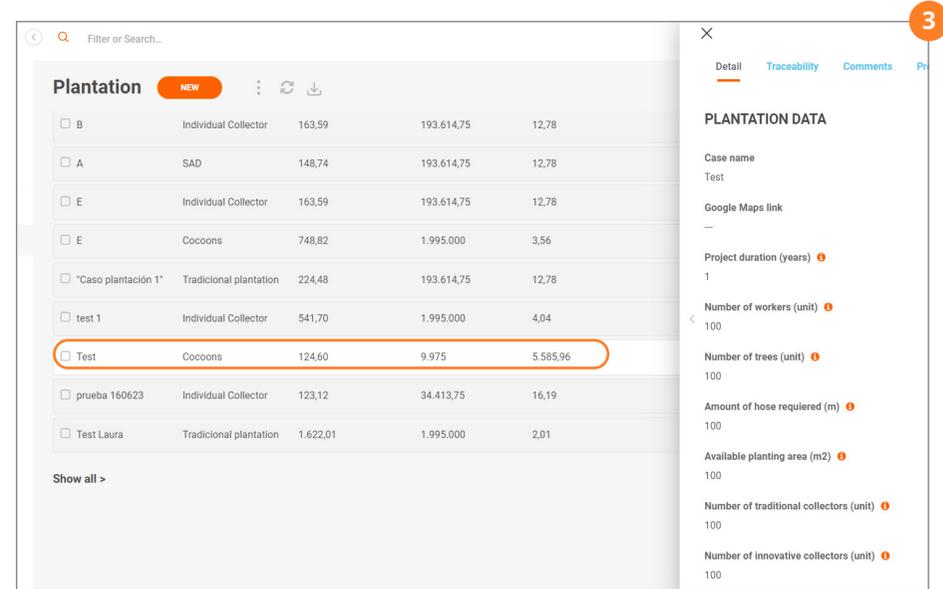
1.2

How can I view and navigate through the values of a submission?

To view all the data of each data set (submission), **click on each row of the table³**, and a side panel will expand showing all the values.

Hover on the side menu and **scroll down** to consult all the data, which are organized in blocks.

You can also **use the arrows⁴** to switch to the view of the previous or next submission's data.



1.3

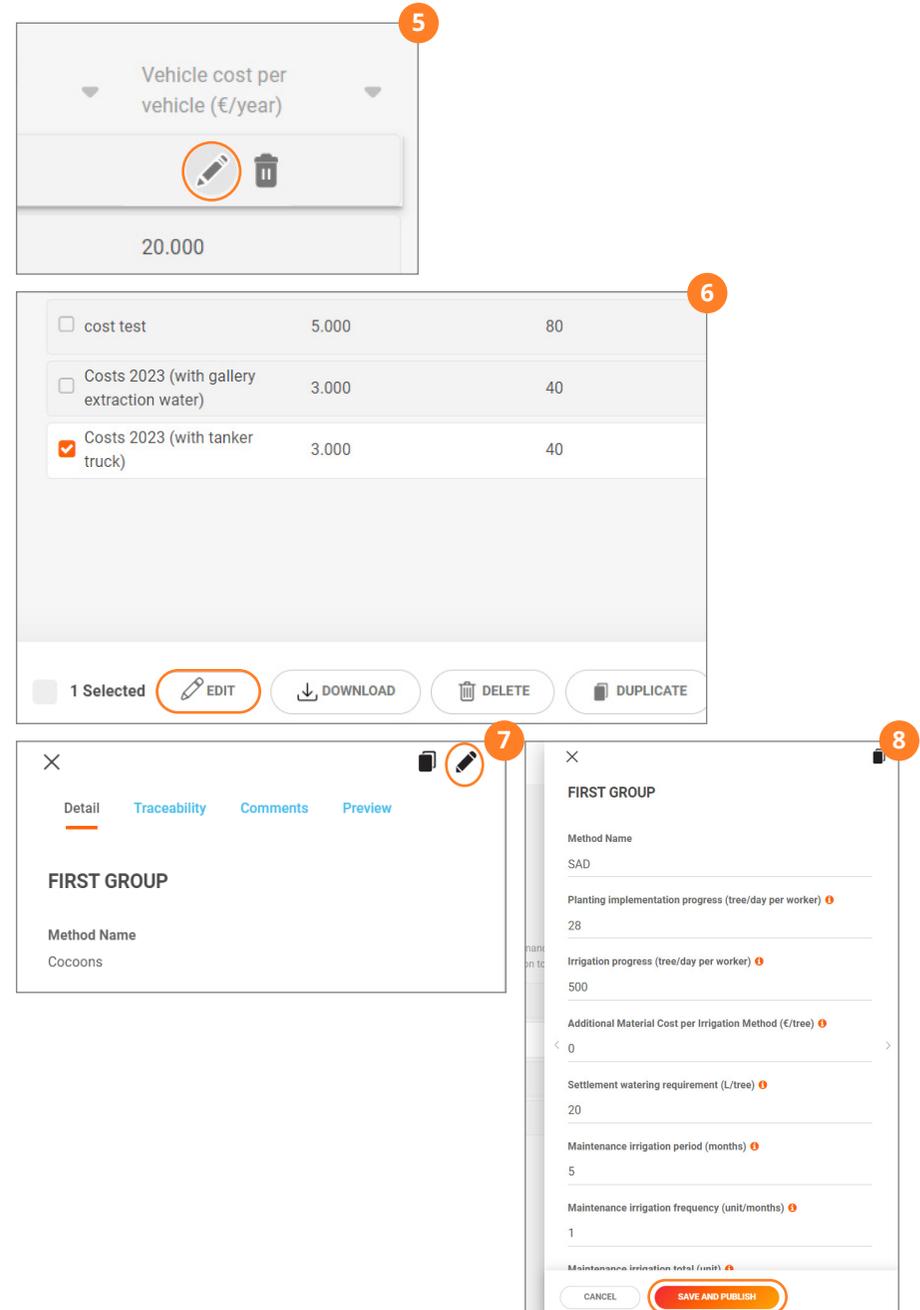
How can I edit the values of a submission?

To edit the values of a submission, **hover over each row and click on the pencil icon** that appears on the right⁵.

You can also select one of these submissions **by clicking on the checkbox** that appears on the left of each row and use the **'Edit' button** in the bottom menu⁶.

If you already have the **side menu** open that displays the values of a submission, you can also edit these values by clicking on the **pencil icon**⁷.

Any of these three options will expand a **side menu**⁸ from which you can edit these values. Once the desired changes are made, click on the **'Save and Publish' button** to save the changes. If you want to discard these modifications, click on **'Cancel'**.

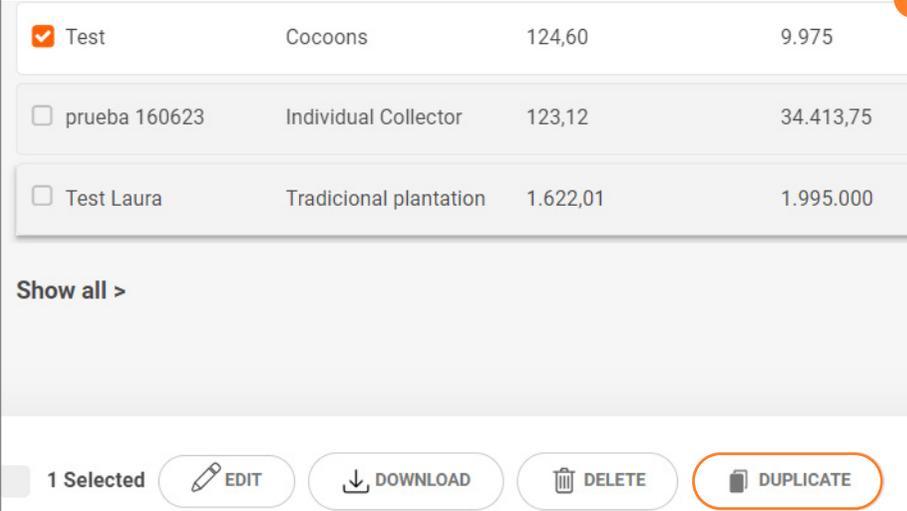


1.4

How can I duplicate an existing submission?

To create a new submission, you can base it on existing data and make changes to it. To do this, **select the submission by clicking the checkbox** on the right of each row and click on **'Duplicate'**⁹.

A copy of the submission will be created, which you can edit to modify the name and the data you want to change.



<input checked="" type="checkbox"/>	Test	Cocoons	124,60	9.975
<input type="checkbox"/>	prueba 160623	Individual Collector	123,12	34.413,75
<input type="checkbox"/>	Test Laura	Tradicional plantation	1.622,01	1.995.000

Show all >

1 Selected    

2.

User Management and Permissions

2.1

How can I access the platform?

To gain access to the platform, you must get in touch with Gesplan to request an access code, either through the email gvierui@gesplan.es or via <https://www.lifenieblas.com/es/contacto>.

Once you have received this access code, you can register on the platform at <https://web.surikat.io/register/>.¹⁰

10

Register

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Submit

Already have a Surikat account? [Log in](#)

3.

Starting Data

3.1

What is the starting data?

To facilitate the calculation process, you can store starting values (**costs, methods, and productivity**), making it easy to associate them quickly with a plantation case and reuse them for other estimations.

- **Costs:** Classified on collector, transportation and other additional costs¹¹.
- **Methods:** Data used to define the planting method to be used¹².
- **Productivity:** Data used to calculate the required work duration and costs, including information about land preparation time, installation of irrigation systems and collectors, workdays, and wages. It also includes information to calculate the productivity of the collectors based on the impact surface area and water capture capacity for each type of collector used (traditional and innovative)¹³.

COLLECTOR COSTS

Cost Name
cost test

COLLECTOR COSTS

Traditional Collectors' price (€/unit) ⓘ
5.000

Innovative collector' price (€/unit) ⓘ
5.000

TRANSPORTATION COSTS

Number of kilometers per vehicle (km/day) ⓘ
80

Number of vehicles (unit) ⓘ
2

CANCEL SAVE AND PUBLISH

FIRST GROUP

Method Name
Cocoons

Planting implementation progress (tree/day per worker) ⓘ
13

Irrigation progress (tree/day per worker) ⓘ
54

Additional Material Cost per Irrigation Method (€/tree) ⓘ
7,80

Settlement watering requirement (L/tree) ⓘ
20

Maintenance irrigation period (months) ⓘ
5

Maintenance irrigation frequency (unit/months) ⓘ
1

Maintenance irrigation total (unit) ⓘ
5

Maintenance watering requirement (L/tree) ⓘ
15

FIRST GROUP

Productivity Name
Productivity 2023

ADDITIONAL PRODUCTIVITY DATA

Ground conditioning progress (m2/day per worker) ⓘ
209

Irrigation systems installation progress (m of hose/day per worker) ⓘ
120

Traditional Collector Installation progress (unit/day per worker) ⓘ
0,25

Innovative Collector Installation progress (unit/day per worker) ⓘ
2,30

Working Days per Year (days/years) ⓘ
249

Average Worker Salary (annual gross income €) ⓘ
20.000

3.2

How can I access the list of starting data (costs, productivity and methods)?

To view the sets of starting data, **click on 'Initial Data'** in the left-hand side menu¹⁴.

Now select **'Costs', 'Methods'** or **'Productivity'** to view each of these types of initial data¹⁵.

A table will be displayed with the **groups of values entered**, related to costs, planting methods, or productivity.



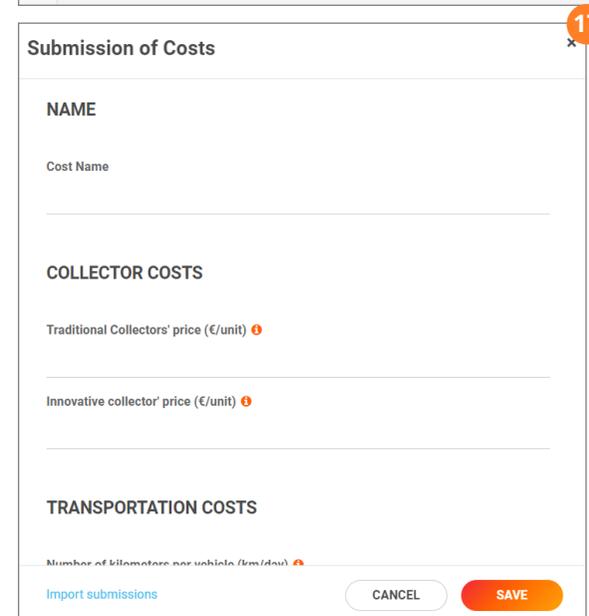
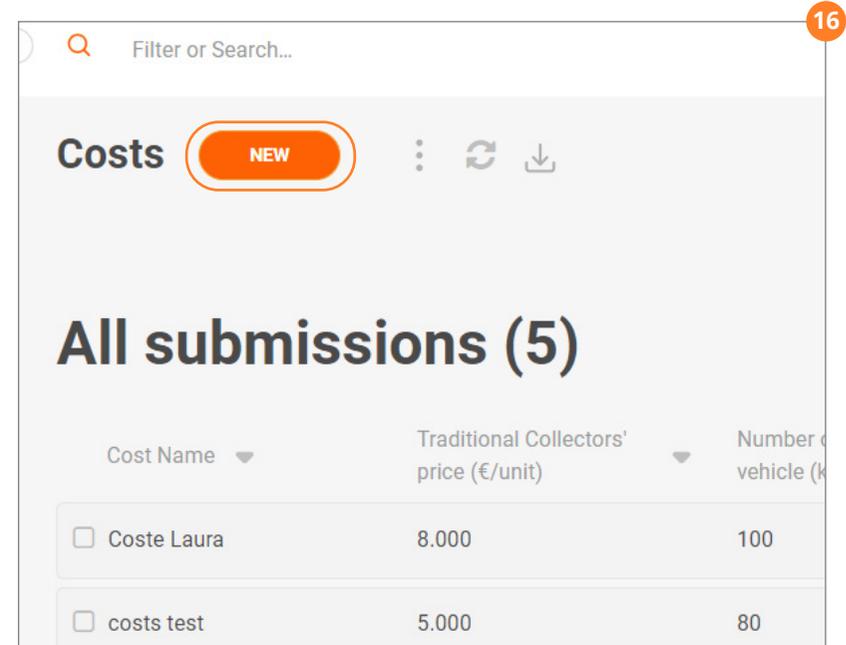
3.3

How can I add a new set of starting data (cost, productivity and methods)?

From the cost, method, or productivity tables in the side menu, click on the **'New' button** to create a new submission¹⁶.

Name the set of starting data in the first field ('Cost Name', 'Method Name' or 'Productivity Name'). This name will be used to identify each group of values when selecting it from the questionnaire to calculate a plantation case¹⁷.

Complete the remaining numeric values to establish the initial data. Click on **'Save'** to submission the information or **'Cancel'** to discard the changes.



3.4

How can I edit the starting cases directly from a plantation case?

You can edit the starting data directly when editing a plantation case. To do so, **click on the pencil icon** next to the dropdowns for 'Cost', 'Productivity' and 'Methods'¹⁸.

This will display a section on the right-hand side, where you can edit and save this data.

Number of traditional collectors (unit) ⓘ

2

Number of innovative collectors (unit) ⓘ

20

Costs

cost test ✎

Productivity

Productivity 2023 ✎ ▼

Methods

Cocoons ✎ ▼

COST DATA TO BE OBTAINED

Traditional Collectors' price(€/unit) ⓘ

5.000

NAME

Cost Name

cost test

COLLECTOR COSTS

Traditional Collectors' price (€/unit) ⓘ

5.000

Innovative collector' price (€/unit) ⓘ

5.000

TRANSPORTATION COSTS

Number of kilometers per vehicle (km/day) ⓘ

80

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CANCELAR GUARDAR

3.5

How can I update a plantation case if the starting data is modified?

To prevent changes in the starting data from affecting previous calculations, when the starting data is updated, these changes are not automatically applied to previously proposed plantation cases.

Plantation cases that include modified initial data will display a warning message saying 'Attention'¹⁹.

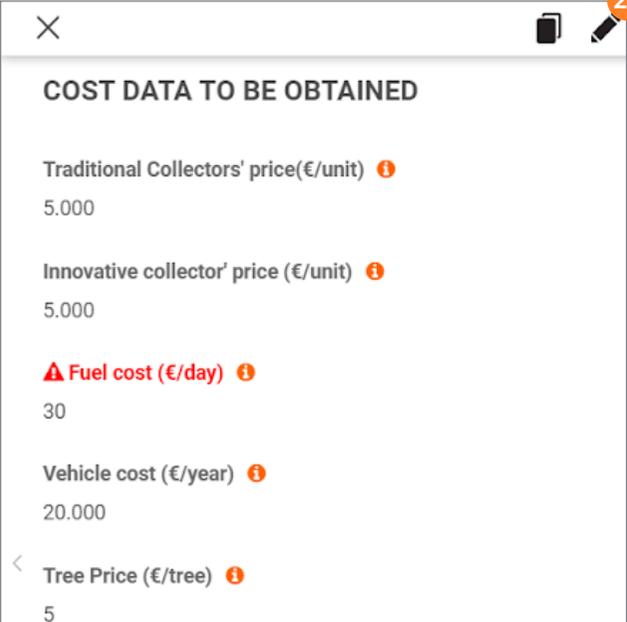
When viewing or editing the values of a plantation case, the information that has been modified in the starting data will be red²⁰.

To update the starting data of a plantation case to the current values, edit it and save it again, which will refresh the calculations, and the attention symbol will disappear.

If you want to update a plantation case to use the new starting data, edit it and save it again. This will refresh the calculations using the updated data.



Project cost	Cost per survival tree (€/unit)	
68	884,62	
8,32	60.642,17	
96	104,22	



COST DATA TO BE OBTAINED

Traditional Collectors' price(€/unit) ⓘ
5.000

Innovative collector' price (€/unit) ⓘ
5.000

Fuel cost (€/day) ⓘ
30

Vehicle cost (€/year) ⓘ
20.000

< Tree Price (€/tree) ⓘ
5

4.

Plantation Cases

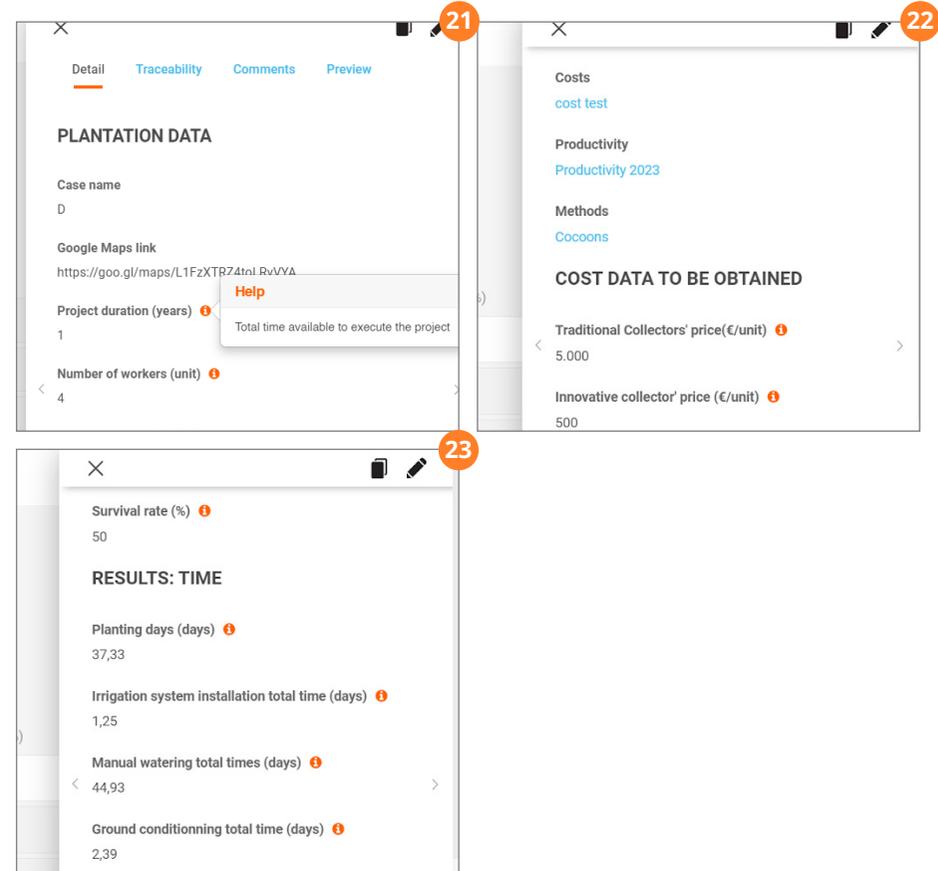
4.1

What makes up a Plantation Case?

A plantation case consists of a name, project duration, number of workers, number of trees to be planted, meters of hose to be used, available planting area and number of traditional and innovative collectors to be used. These data that make up a plantation case can be found in the **'PLANTATION DATA'** section²¹.

Each plantation case has values of costs, productivity and methods from the initial data tables, which can be consulted from the plantation case in the sections **'COST DATA TO BE OBTAINED'**, **'PRODUCTIVITY DATA TO BE OBTAINED'** and **'METHOD DATA TO BE OBTAINED'**²².

Finally, based on all these starting data, the results of the plantation case are calculated, which can be seen classified into three sections, times (**'RESULTS: TIME'**), liters (**'RESULTS: LITERS'**) and costs (**'RESULTS: COSTS'**)²³.



4.2

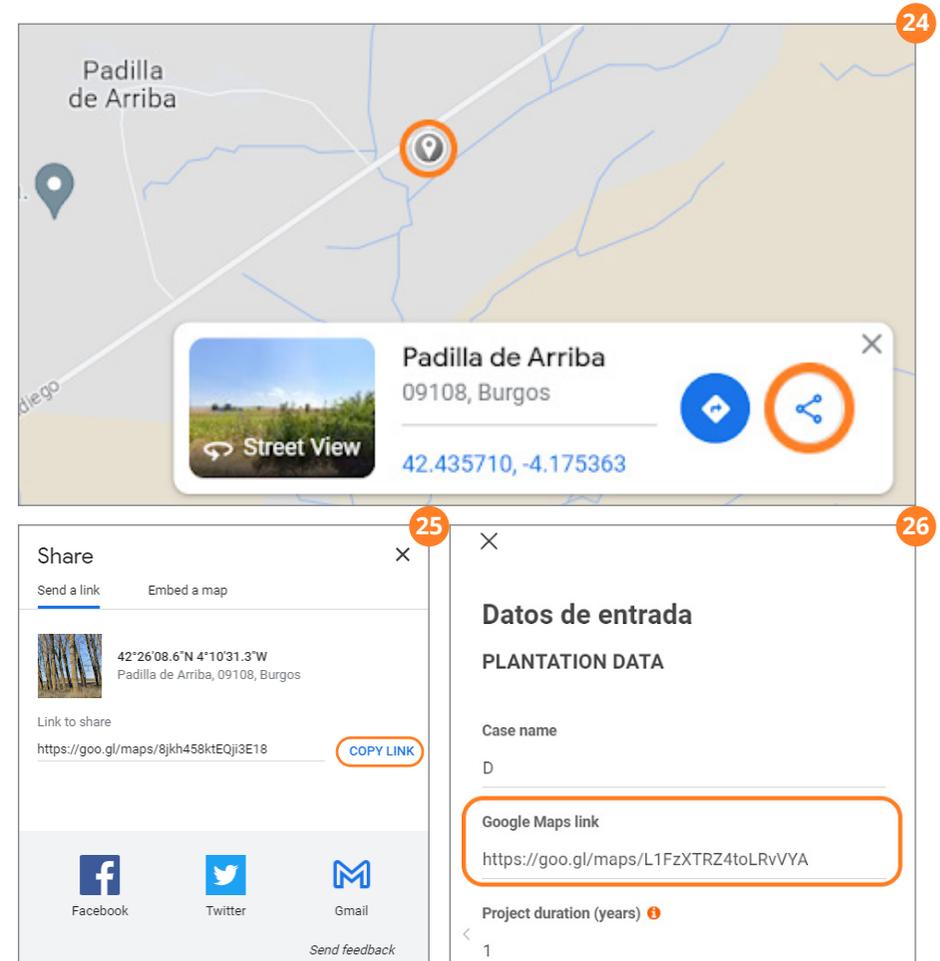
How can I add the location of a Plantation Case?

A plantation case can be linked to a Google Maps url that determines its location.

Access Google Maps (<https://www.google.es/maps>) and locate the plot where the reforestation project will be carried out.

Once the place is located, click on the specific point on the map and then on 'Share' button²⁴.

Now, click on 'Copy link'²⁵ to obtain the link and add it in the 'Google Maps Link' field²⁶ back on the platform.

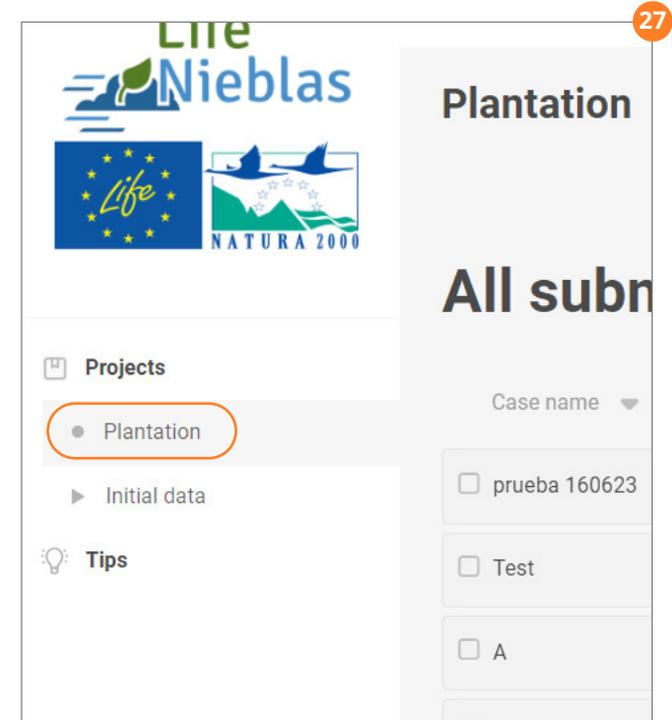


4.3

How can I access the list of Plantation Cases?

To view a list of plantation cases, **click on 'Plantation'** in the left-hand side menu.

A table will be displayed containing a list of the proposed plantation cases and their data²⁷.



4.4

How can I add a new Plantation Case?

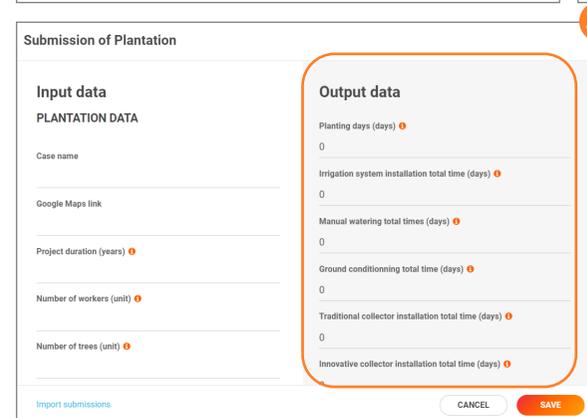
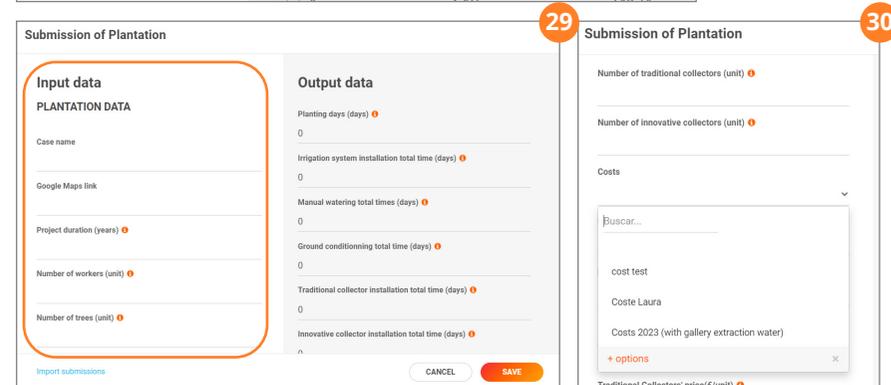
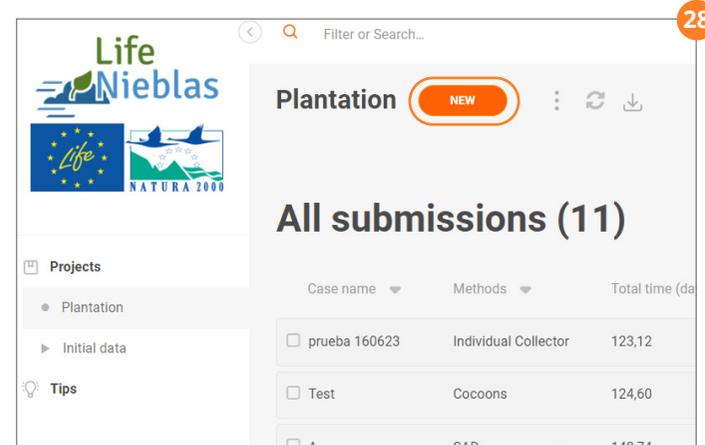
From the 'Plantation' list, you can add a new plantation case by clicking on the **'New' button**²⁸.

Enter the values of the plantation case to be added in the **'Input Data'** section²⁹.

Within the input data, to indicate the **values for costs, productivity, and planting method**, you can select one of the options from the **dropdown menu** to use previously loaded data.

You can also add your own values by clicking on '+ options'³⁰.

Once all these data are entered, you can see the results regarding costs, required work durations, and liters of water in the **'Output Data'** column on the right-hand side, obtained from the initial plantation data³¹.



5.

Data Analysis and Download

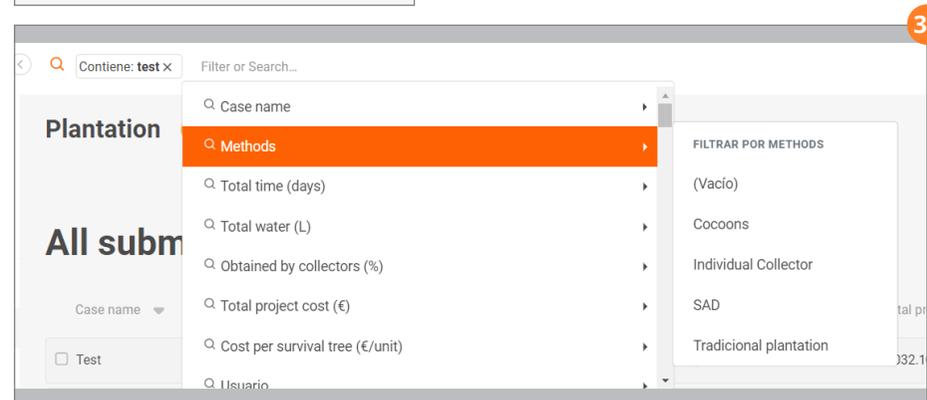
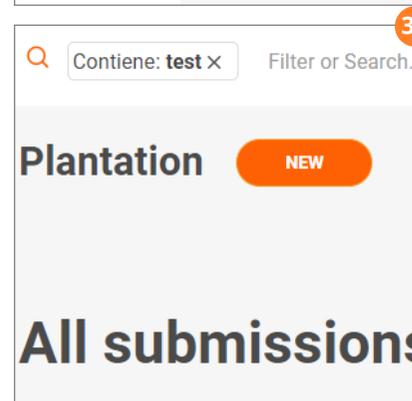
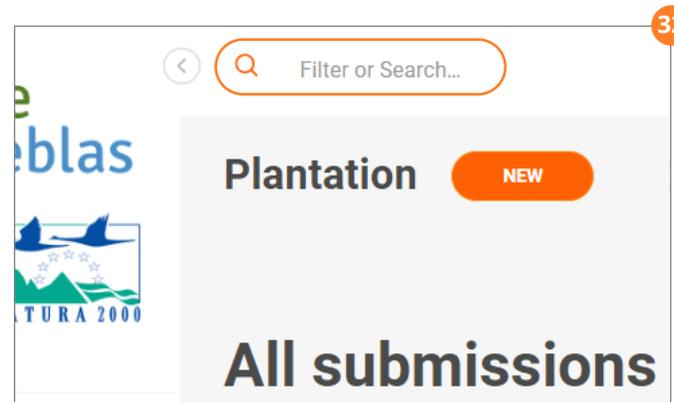
5.1

How can I search and filter submissions?

Use the **top search bar**³² to search submission data or apply filters:

Enter the term you want to search for and click **'Enter'** to search for that text in all fields and display only the submissions that contain it³².

If you want to make a more specific filter, choose a specific field from the table to search in³⁴.



5.2

How can I download the data?

To download the information from a table, click on the 'Download' button³⁵.

Now you can download all the fields in Excel or in pdf, or a custom download, which contains the main results data. Click on the desired download option³⁶.

Also, you can create your own custom downloads from 'Custom Download - New Download'³⁷.

You can indicate the name of the custom download, the download format (text document, spreadsheet or pdf), if you want to filter the fields to download, the layout (the fields to include) and if you want to send it by email³⁸.

Click on 'Save and download' to save the custom download and be able to reuse it later³⁹.

You can modify or delete saved custom downloads from 'Manage Downloads'⁴⁰.

The screenshots illustrate the following steps:

- 35:** The user is on the 'Plantation' page, viewing a table of 'All submissions (11)'. A 'Download' button is visible in the top right corner.
- 36:** The user clicks the 'Download' button, opening a menu with options: 'Custom', 'All fields', 'All files', and 'Custom Download >'.
- 37:** The user selects 'Custom Download >', leading to a 'New download' dialog box with a 'New download' button highlighted.
- 38:** The user clicks 'New download', opening a 'Download' configuration form. It includes fields for 'Download title', 'Contiene: test x', and 'Format' (Text Document, Spreadsheet, PDF). There are also 'Advanced configuration' options like 'Único documento', 'Default layout', and 'No email'. Buttons for 'PREVIEW', 'DOWNLOAD', and 'SAVE AND DOWNLOAD' are at the bottom.
- 39:** The user clicks 'SAVE AND DOWNLOAD', opening a 'Manage downloads' dialog box with 'New download' highlighted.
- 40:** The user clicks 'New download', opening a 'Manage downloads' window. It shows a list of saved downloads: 'Custom' and 'Custom Download 1', each with edit and delete icons. An 'ACEPTAR' button is at the bottom right.

5.3

How can I compare plantation cases?

The main view of plantation cases⁴¹ displays the key data that will be used to compare plantation cases:

- Total time
- Total liters of water
- Percentage of water obtained by collectors
- Total project cost
- Cost per surviving tree

Click on the arrow next to the name of each result to sort the submissions according to the value of that field, either from highest to lowest or from lowest to highest⁴².

Also, you can download an Excel file with all the values of the different plantation cases, which allows you to work with the data. To do this, click on the 'Download' button at the top and select 'All Fields'⁴³.

41

Plantation **NEW**

All submissions (11)

Case name	Methods	Total time (days)	Total water (L)	Obtained by collectors (%)	Total project cost (€)	Cost per surviving tree (€/unit)
<input type="checkbox"/> prueba 160623	Individual Collector	123,12	34.413,75	16,19	290.402,80	886,05
<input type="checkbox"/> Test	Cocoons	124,60	9,975	5.585,96	3.032.108,32	60.642,17
<input type="checkbox"/> A	SAD	148,74	193.614,75	12,78	101.144,96	104,22
<input type="checkbox"/> B	Individual Collector	163,59	193.614,75	12,78	117.197,03	63,56
<input type="checkbox"/> E	Individual Collector	163,59	193.614,75	12,78	117.197,03	63,56
<input type="checkbox"/> D	Cocoons	208,82	193.614,75	12,78	272.821,39	281,11
<input type="checkbox"/> C	Tradicional plantation	224,48	193.614,75	12,78	101.144,96	104,22

42

All submissions (11)

Case name Methods Total time (days)

prueba 160623 Individual Collector 123,12

Test Cocoons 124,60

43

Plantation **NEW**

All submissions (11)

Case name Methods Total time (days)

All fields

All files

Custom Download >

For further information about the project

Contact us **via email at gvierui@gesplan.es** or through
the website **<https://www.lifenieblas.com/es/contacto>**

For technical support

Contact us **via email at support@surikat.io**

