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Results of the questionnaire

Itahisa Déniz González – Project coordinator
11 December 2023

The questionnaire

What for?



Questionnaire was set up to gather further feedback on the conclusions of the Workshop on “The CCLME Alien Species Database: How to present the data gathered in the CCLME Eco-GIS Viewer”, and before start working in the developments

<https://forms.gle/HqBsBMbjTPKLB5WB6>

The questionnaire

Respondents



13 replies

- 6 respondents did not participate in the workshop
- 9 respondents' field of work is alien species (research, teaching)

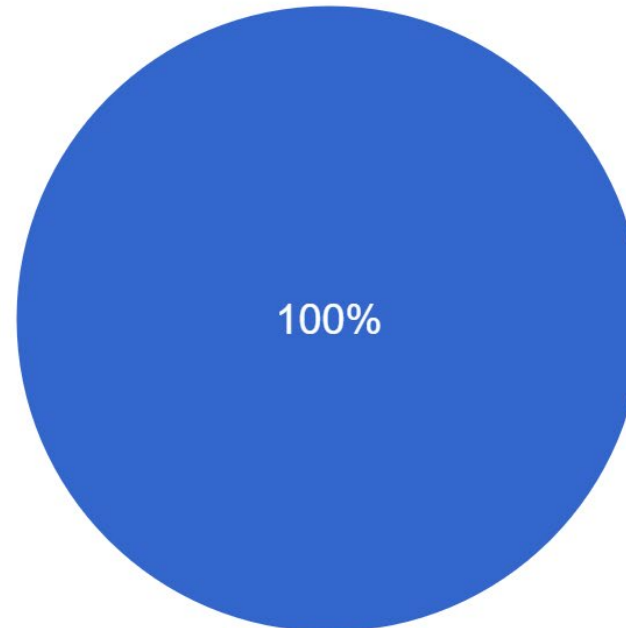
The questionnaire

Question 2

2. During the [Workshop](#) it was agreed to add the CCLME Alien Species Database as an additional layer in the [Biological data analytical tool](#), named: **IOC CCLME Alien Species**.

This would allow comparison of alien species occurrences with data from other sources (i.e. OBIS, IEO fisheries surveys, FAO maps of species distribution).

Do you agree with this proposal?




● Yes
● No

The questionnaire

Question 2

CCLME ECO-GIS VIEWER Tools ▾ Selection Panel Clear Legend About Contact

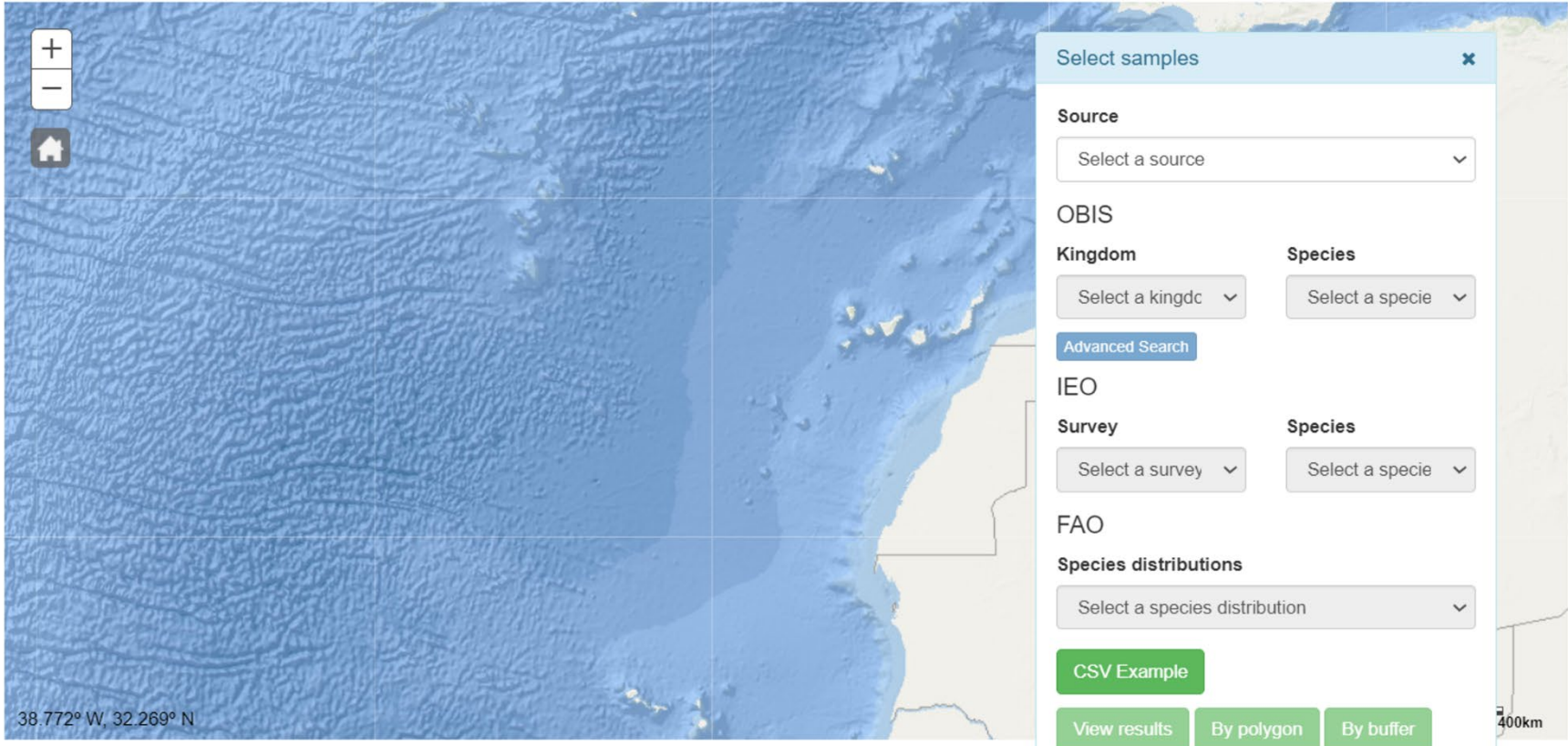


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- Argo Profiles
- SST and Chl data and differences analysis
- Spatio-temporal data viewer
- Oceanographic transects
- Biological data**
- Using my own data
- Useful links

Biological data



38.772° W, 32.269° N

400km

The questionnaire

Question 3

3. In order to highlight the importance of the Ballast Waters Management Convention and see whether there is a connection between the transport of alien species (e.g. ballast waters, hull fouling, etc.) and their occurrences, it is proposed to add two additional **static layers**:

- **Main harbours in the region**, if possible, indicating if ballast waters implementations are applied.
- **Marine traffic routes**, at least main regular ones. i.e. marinetraffic.com (real time view), EmodNET traffic density maps, or other visualization options.

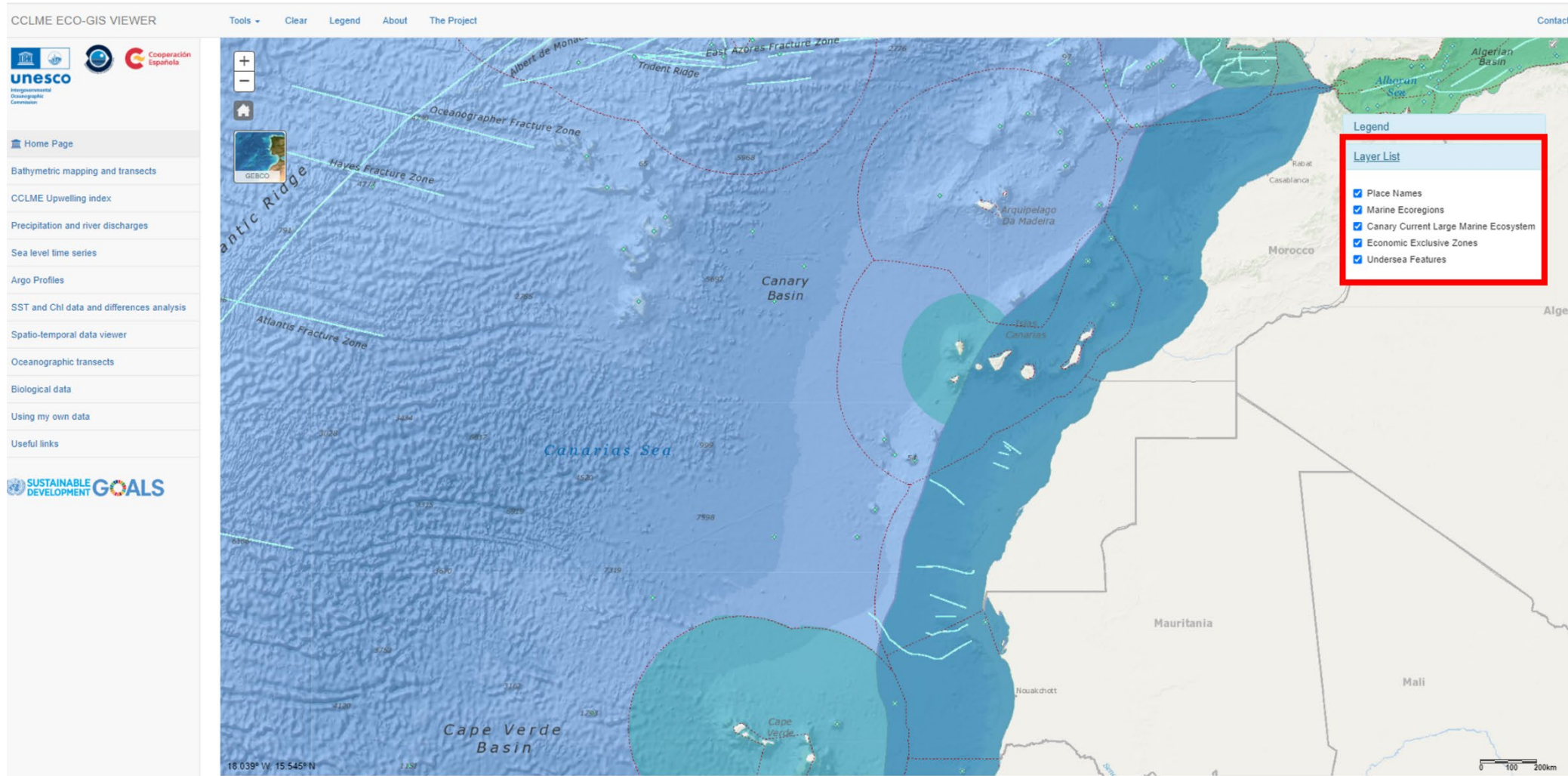
Do you agree in adding these two additional static layers?

In the picture below, you can see some examples of static layers already available in the CCLME Eco-GIS Viewer ([HomePage](#))

- Yes
- No

The questionnaire

Question 3



The questionnaire

Question 3b



3b. If you have any further ideas of static layers that could be useful in the analysis of alien species data, you can share your ideas with us here.

Please share any resources we could use to implement any relevant static layers.

2 respuestas

Please include a link to the Geoportal of the ULPGC (<https://www.geoportal.ulpgc.es/>), which is holding several static layers of common interest about marine data

Maybe also include Offshore wind turbines, oil and gas platforms... As ocean sprawl in shallow and coastal waters has favored NIS, there is concern that increasing development of offshore wind farms will accelerate this phenomenon.

Check e.g. <https://tethys.pnnl.gov/summaries/short-science-summary-offshore-wind-farms-stepping-stones-non-indigenous-species>

These platforms (with their fouling communities) are transported over seas (sometimes platforms can be observed in Canary harbours)

→ Useful links

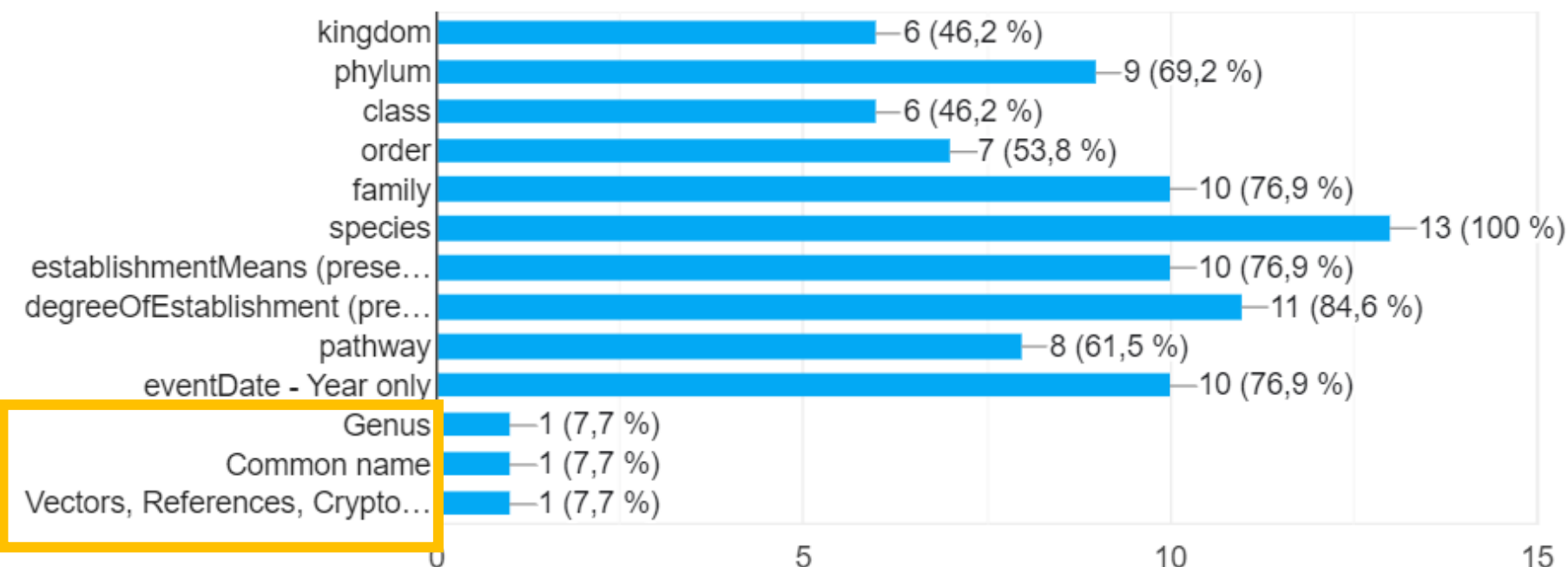
The questionnaire

Question 4

4. Back to the layer "IOC CCLME Alien Species". The selection panel should allow an Advanced Search via an additional panel. It is proposed to use the following terms (further information about the terms is available at [Darwin Core List of Terms](#)).

Choose as many terms as you like.

13 respuestas



Genus and Common name are not included in our database

Vector = **pathway**

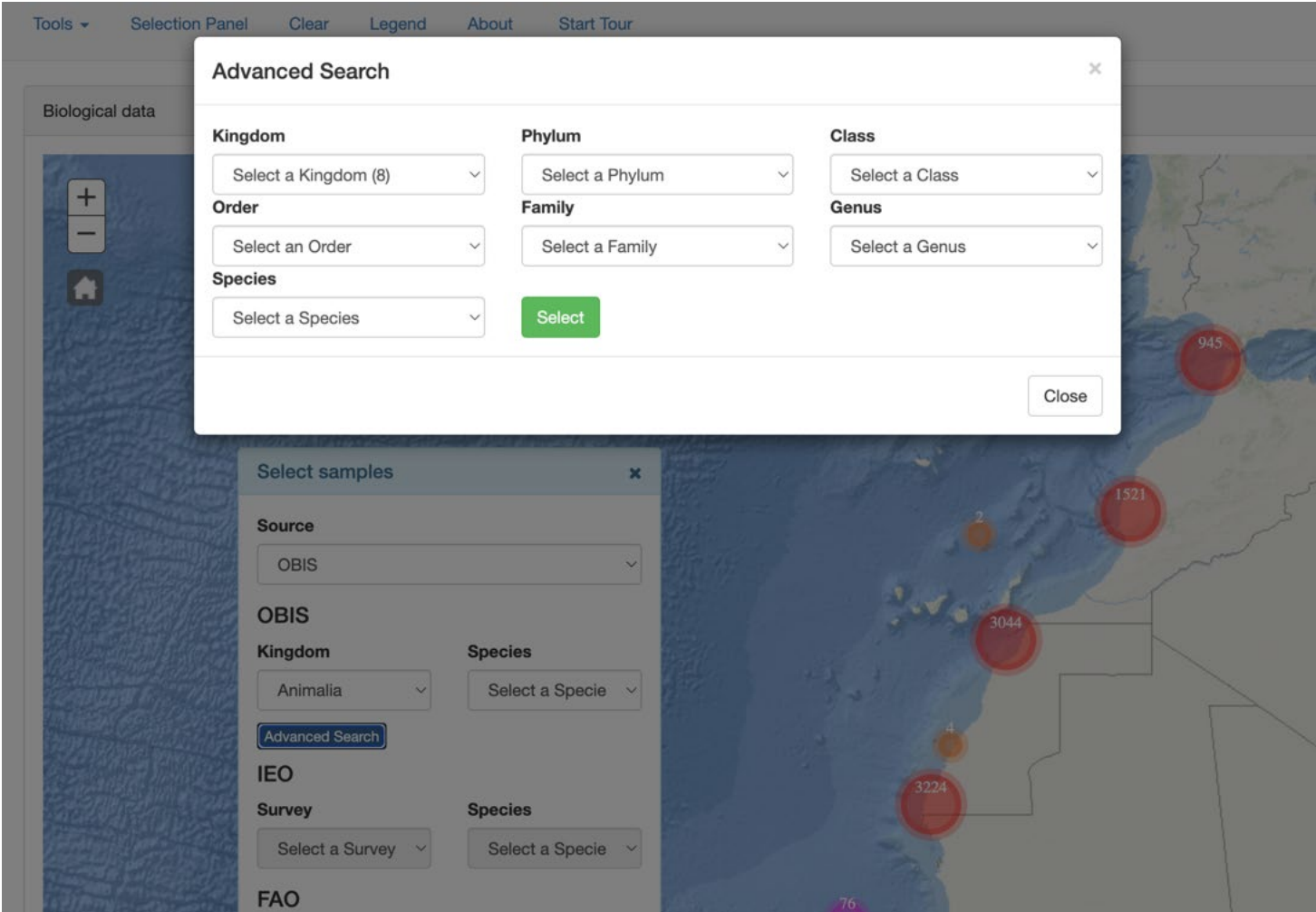
degreeOfEstablishment:
Invasive, etc.

Impact classification:
cryptogenic, etc.

Further information will be available when clicking on the register (pop-up window)

The questionnaire

Question 4



Tools ▾ Selection Panel Clear Legend About Start Tour

Biological data

Advanced Search ✕

Kingdom Select a Kingdom (8) ▾

Phylum Select a Phylum ▾

Class Select a Class ▾

Order Select an Order ▾

Family Select a Family ▾

Genus Select a Genus ▾

Species Select a Species ▾

Select

Close

Select samples ✕

Source OBIS ▾

OBIS

Kingdom Animalia ▾

Species Select a Specie ▾

Advanced Search

IEO

Survey Select a Survey ▾

Species Select a Specie ▾

FAO

The questionnaire

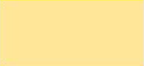



Question 5

5. In what regards the presentation of the data, it is proposed to present the registers in the map using a color code. For this purpose, it is suggested to use the term [degreeOfEstablishment](#).

Please note that, provided that we are working on an [alien species](#) database, and considering the definitions presented at the [Darwin Core Terminology](#), it seems that the following concepts are unlikely to be used: native, cultivated, captive.









Do you agree to use the term degreeOfEstablishment, withdrawing the concepts listed above, and using the following color code?

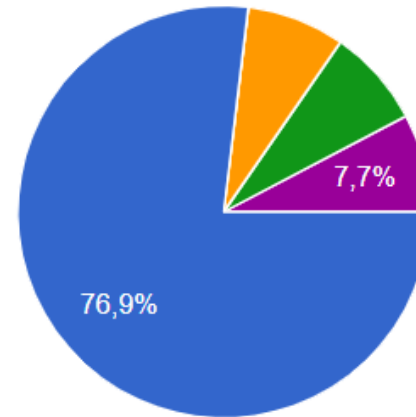
13 respuestas

Released	
Failing	
Casual	
Reproducing	
Established	
Colonizing	
Invasive	
Widespread invasive	

The questionnaire

Question 5

Released	
Failing	
Casual	
Reproducing	
Established	
Colonizing	
Invasive	
Widespread invasive	



- Yes
- No
- Code bar shall not replace text
- maybe too complex? Reduce to Established/Not establishe/Unknown
- The Color code looks very similar starting Casual to colonizing

Further information will be available when clicking on the register (pop-up window)

The concepts are those proposed in the Darwin Core Terminology

The questionnaire

Question 7

7. According to the discussions, it is important to know the year of the first record and the pathway to implement management measures.

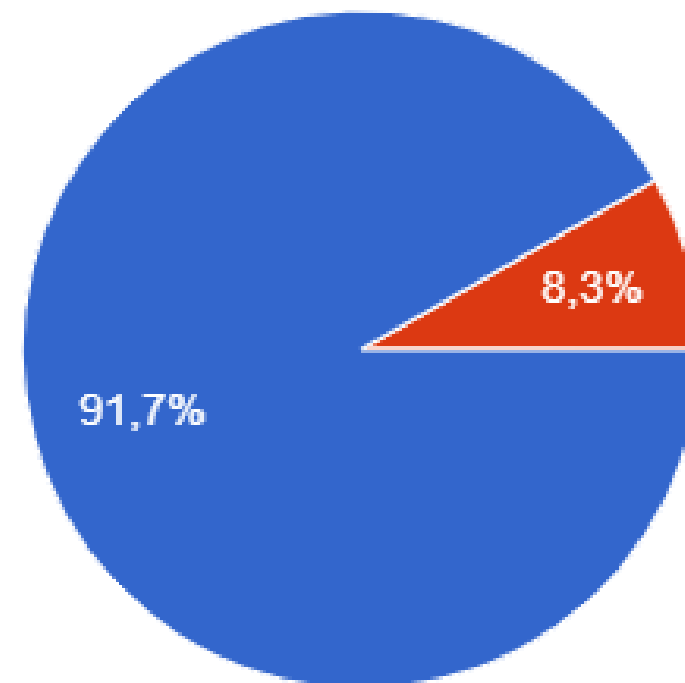
[eventdate](#): to analyze trends.

[pathway](#): to see the human activity at the origin of the occurrence, e.g. marine traffic, aquaculture, etc.

Further information about the Terms in the [Darwin Core Terminology](#).

If feasible, do you agree to do a search by eventDate (Year), allowing filtering by pathway?

12 respuestas



● Yes
● No

The questionnaire

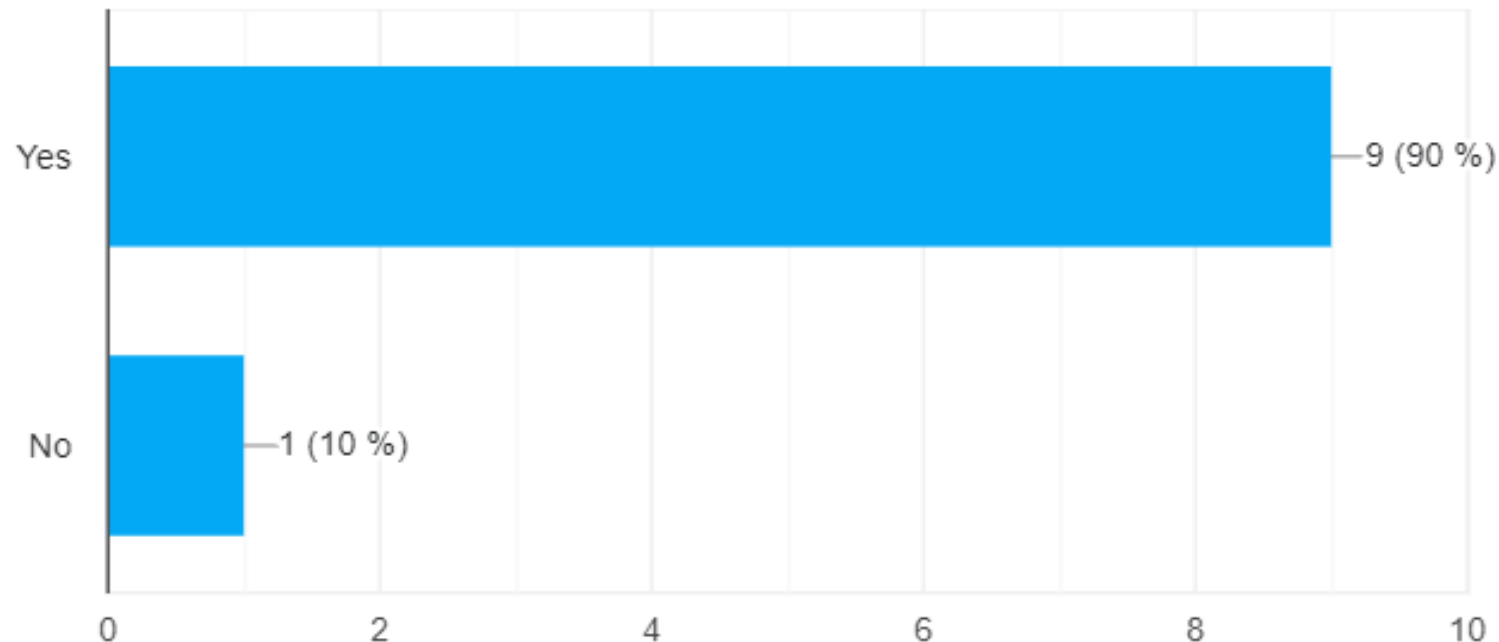
Question 8

8. It is proposed to prospect the possibility of associating DOIs to the different products.

Would this be useful for your work?

Please share any comments or examples for our reference in "Other"

10 respuestas



The questionnaire

Question 9

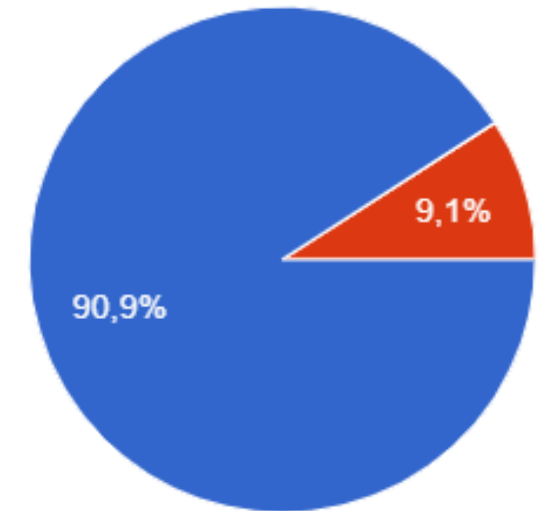
9. The IOC Secretariat prospects the possibility of organizing a one full-day hands-on workshop, as an opportunity to:



- Showcase the improvements in the CCLME Eco-GIS Viewer;
- Collect your feedback, experiences from past use and spot any details before communicating widely about the updates in the CCLME Eco-GIS Viewer.

Would you be interested in participating in a one-day hands-on workshop on the use of the CCLME Eco-GIS Viewer?

Use "Other" to share your views, suggestions on other modalities or specific content.

11 respuestas



 Yes
 No

THANK YOU

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