

1. Survey Questions

Thank you for following the link to this survey!

Successful marine environmental management addresses the **needs and interests of stakeholders and communities**. We are researchers interested in the perceptions and opinions of Marine Citizen Science coordinators and participants in European projects. Our study investigates whether Marine Citizen Science promotes public understanding of marine environmental issues and whether this promotes public support and acceptance for current marine management in the EU.

Our project builds upon data collected by the **European Marine Board** and seeks to address some of the necessary conservation actions it has identified (see <http://marineboard.eu/publication/advancing-citizen-science-coastal-and-ocean-research-position-paper>). This survey is also part of the ECOPOTENTIAL research project (<http://www.ecopotential-project.eu/>). We will conduct surveys of Citizen Science co-ordinators and participants from marine projects in the EU to advise this data. Following this, we will conduct selected interviews with several coordinators and participants. The summarised and anonymised information we collect will be made available to all participants and Marine Citizen Science projects that take part in the study, as well as the European Marine Board's Working Group. The data will not be passed onto other persons or groups. Data will be saved for 5 years, and after this period all data will be deleted.

This survey component will take approx. 10 minutes to complete. It asks questions on 1) your Marine Citizen Science project, and your opinions on 2) participant engagement and perceptions, 3) marine management in Europe. Participation in the survey is voluntary. You are free to withdraw from this survey at any stage, your personal details will remain confidential.

If you wish to conduct this survey in a language other than English, please email X

Thank you very much in advance for taking part in this survey.

Survey for Marine Citizen Science Coordinators

I agree to conduct this survey, that my answers will remain anonymous, and that the survey results may be published to inform understanding and development of Marine Citizen Science in Europe. This consent can be revoked at any time.

1. Which Marine Citizen Science project do you coordinate/participate in?
Name: _____ Weblink: _____
2. What are your responsibilities in this role? *Please tick all that apply.*
 - a. I coordinate participants and project activities
 - b. I manage the data we collect in the project
 - c. I engage with the participants on outreach and education
 - d. I teach/organise science for the project
 - e. Other, please identify: _____
3. In what year (approx.) was your Marine Citizen Science project established? _____
 - a. Approx. how many participants does your project engage with? _____
 - b. Approx. how many of these participants are **active** within the project? _____

4. Does your project actively engage and educate participants on these issues? *Please tick all that apply.*
- Biodiversity (i.e. species, habitats)
 - Ecosystem services (i.e. recreation)
 - Climate change
 - Marine regulation (i.e. fisheries)
 - Marine conservation in general (i.e. protection, regulation)
 - European level marine conservation/management
 - State/National level marine conservation/management
 - Other

It is important for us to understand **how** your project engages and educates participants on these issues. Can you please provide some detail?

5. Do you think that participation in Marine Citizen Science increases participant's general understanding about:
- The marine environment?
A lot ... Not at all (Likert) / Don't know. Can you provide any evidence for this from your project? _____
 - Marine conservation?
A lot ... Not at all (Likert) / Don't know. Can you provide any evidence for this from your project? _____
6. Do you think that participation in Marine Citizen Science increases participant's general support for marine conservation and regulation? *A lot ... Not at all (Likert) / Don't know*
It is important for us to understand **how Citizen Science increases support**, please explain _____
7. Do you think that participants in your Marine Citizen Science Project trust EU government to manage European marine environments and resources? *Trust a lot / A little / Neutral / Somewhat / Do not trust at all (Likert)*
8. Do you trust EU government to manage European marine environments and resources? *Trust a lot / A little / Neutral / Somewhat / Do not trust at all (Likert)*
9. Do you think your country's government manages its marine environment and resources (i.e. fisheries, etc.) well? *Extremely well / Very well / Okay / Badly / Very badly*
- Do you think that your country's government manages its marine environment and resources in accordance to EU regulations? *Extremely well / Very well / Okay / Badly / Very badly / Don't know*
10. In your opinion, do you think that participants in your Marine Citizen Science project are **more likely to support marine regulation and conservation**, than:
- before they engaged with Citizen Science?
Less likely / more likely / likely / about the same / less likely / least likely
 - people who do not engage with Citizen Science?
Less likely / more likely / likely / about the same / less likely / least likely
11. Do you think Citizen Science can work to influence marine policy and management in Europe? *Yes / No / Don't know*
How? _____

12. Male / Female / Prefer not to specify

13. Age

- a. Under 18
- b. 18-25
- c. 26-35
- d. 36-45
- e. 46-55
- f. 55-64
- g. 65+

14. Job title _____

Name of Organisation _____

15. We value your opinion and support very much. If you have any additional information, comments or further contacts you think we should approach please let us know here:

16. How easy did you find this survey? (*Likert*)

17. Would you like to receive a summary of the results via email? *Please provide your:*

Name _____

Email address _____

**Thank you very much for conducting this survey.
We are grateful for your time and expertise!**

2. Interview Questions

Their Citizen Science project

1. Can you tell me a bit about your project? *Size, research, history, who runs it, funding?*
2. What is the main purpose (focus/benefit) of your project?
For my own info, to 'tick off' when they answer:
 - *Collecting data and producing new knowledge for science*
 - *Providing data that marine managers and policy-makers can use*
 - *Educating the public about marine issues and science (and creating environmental behavioural change)*
 - *Benefiting nature, by learning about it (and protecting it)*
3. How does your project interact with its participants? *Internet, meet-ups, newsletters, education sessions, programme training, etc.*

Citizen Science more generally

4. What does 'citizen science' mean for you?
Do you think others would agree? Are there other meanings you agree/disagree with? (Do you think your project is 'citizen science'?)
5. Do you see a role for citizen science to inform the public about marine conservation and protection?
*How could it be used to promote such communication and exchange?
Has your citizen science project informed (taught) participants about marine conservation?
Increased awareness? Changed opinions? How?*

Marine Citizen Science in Europe

6. Do you think citizen science can influence marine conservation and management in Europe? *How? At what scale (temporal, spatial)?* (adapted from Vann-Sander et al. 2016)
7. Do you think the awareness that citizen science creates about marine issues can promote greater trust in marine conservation and management? *(Clarify) Compared to those who don't participate in citizen science? How? Can you give any examples?*
8. Apart from the usual expectations of public awareness, education and data collection, do you think citizen science could be used a tool in other ways for marine conservation? (adapted from Vann-Sander et al. 2016)

Social Licence

9. Have you heard about social licence?
(Define it here – 'ongoing approval or broad social acceptance')
Where? In what context? What does 'social licence' mean to you?
Do you think social licence actually occurs? Where? For which groups? Local, regional, national? Can you give any examples?
10. **Do you think marine citizen science programmes can influence social licence for marine conservation and protection in Europe?**
(Explain question) In what ways? Through what processes? Can you give any examples?

Closing thank you. Ask for anything I might have missed in my questions, any other information they'd like to give or think is useful. Explain that results will be shared when they're published, hopefully early 2018.