

Design of marine protected areas in a human-dominated seascape

Simonetta Frascchetti^{1,*}, Paolo D'Ambrosio¹, Fiorenza Micheli², Fausto Pizzolante¹, Simona Bussotti¹, Antonio Terlizzi¹

¹Dipartimento di Scienze e Tecnologie Biologiche ed Ambientali (DiSTeBA), Università del Salento, CoNISMa, 73100 Lecce, Italy

²Hopkins Marine Station, Stanford University, Pacific Grove, California 93950, USA

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Appendix 1. Example of the questionnaire used to assess stakeholder (tourism sector and recreational/artisanal fishers) attitudes and their potential support for the institution of a network of no-take MPAs

Questionnaire for fishermen	
Questionnaire number
Location
Activity
Fishing tools
Tons and power of the boat
Approx. number of working days/year
1. Do you think that protection of the marine environment is crucial?	
Yes	1 <input type="checkbox"/>
No	2 <input type="checkbox"/>
Don't know	3 <input type="checkbox"/>
No answer	4 <input type="checkbox"/>
<i>(If yes, go to question 2, otherwise go directly to question 3)</i>	
2. If you think that protection is crucial, would you like to tell me how it is possible to protect the marine environment?	
.....	
.....	
.....	
3. Do you know what is a Marine Protected Area (MPA)?	
Yes	1 <input type="checkbox"/>
No	2 <input type="checkbox"/>
<i>(If yes, go to question 4. In case the answer is no, read the definition of MPA before going to question 5).</i>	
4. Could you tell me, in a few words, what is a MPA (with this question try to understand if the interviewed is aware of restrictions and different levels of protection and use)	
.....	
.....	
To be more precise, I will read the official definition of MPA: <i>Any area of the intertidal or subtidal terrain, together with its overlying water and associated flora, fauna, historical and cultural features, which has been reserved by law or other effective means to protect part or all of the enclosed environment</i> (IUCN 1988). It is clear that the implementation of an MPA limits anthropogenic activities in its boundaries. Protection includes restrictions and/or prohibition of fishing, collecting of algae and invertebrates, navigation, and in some cases access and recreational activities (e.g., tidepooling, snorkelling, swimming).	
5. Do you agree with the institution of MPAs (read all the possible answers, but choose only one answer).	
I totally agree	1 <input type="checkbox"/>
I substantially agree	2 <input type="checkbox"/>
I'm uncertain/I don't know	3 <input type="checkbox"/>
I substantially disagree	4 <input type="checkbox"/>
I totally disagree	5 <input type="checkbox"/>

Why?

6. Have you ever had the chance to visit an MPA?

Yes 1

No 2

(in case the answer is yes, go to question 7. In case the answer is no, go to question 8).

7. If yes, which one did you visit?

8. In your opinion, which are the potential advantages deriving from the institution of an MPA? (do not read the possible answers, only two answers can be selected).

Conservation of the marine environment/biodiversity 1

Increase in tourists frequentation 2

Increased fishery yields outside the MPA 3

Diversification in the touristic frequentation 4

Improvement in the local economy 5

Enhancement of the location image and attractiveness 6

Improved environmental education 7

No improvement 8

Don't know 9

No answer 10

Other (specify) 11

9. In your opinion, which are the potential disadvantages? (do not read the possible answers; only two answers can be selected).

Less tourism 1

Decrease in the number of areas where fishing activities are allowed 2

Limits of access for navigation/bathing 3

Restrictions of use that are not well substantiated and justified 4

Advantages only for specific categories 5

No improvement 6

Don't know 7

No answer 8

Other (specify) 9

10. Do you know that in Apulia there are three MPAs?

Yes 1

No 2

(if the answer is yes, go to question 11. If the answer is no, go to question 12).

11. Which Apulian MPA are you familiar with? (do not read the possible answers):

Porto Cesareo 1

Torre Guaceto 2

Isole Tremiti 3

All 4

12. Do you know that there is a plan to implement an MPA within the stretch of coast from Otranto to Santa Maria di Leuca, including your municipality?

Yes 1

No 2

No answer 3

(if the answer is yes, go to question 13. If the answer is no, go to question 14).

13. What do you know about this initiative?

14. Do you agree with the institution of this MPA? (read the possible answers) (choose only one answer).

- I totally agree 1
- I substantially agree 2
- I'm uncertain/I don't know 3
- I substantially disagree 4
- I totally disagree 5

Why?

15. Could you tell us, in your opinion, what kind of consequences could the institution of this MPA have?

Personal data

Sex

Age

Residence

Highest degree earned

Notes and impressions

Appendix 2. Questionnaire results

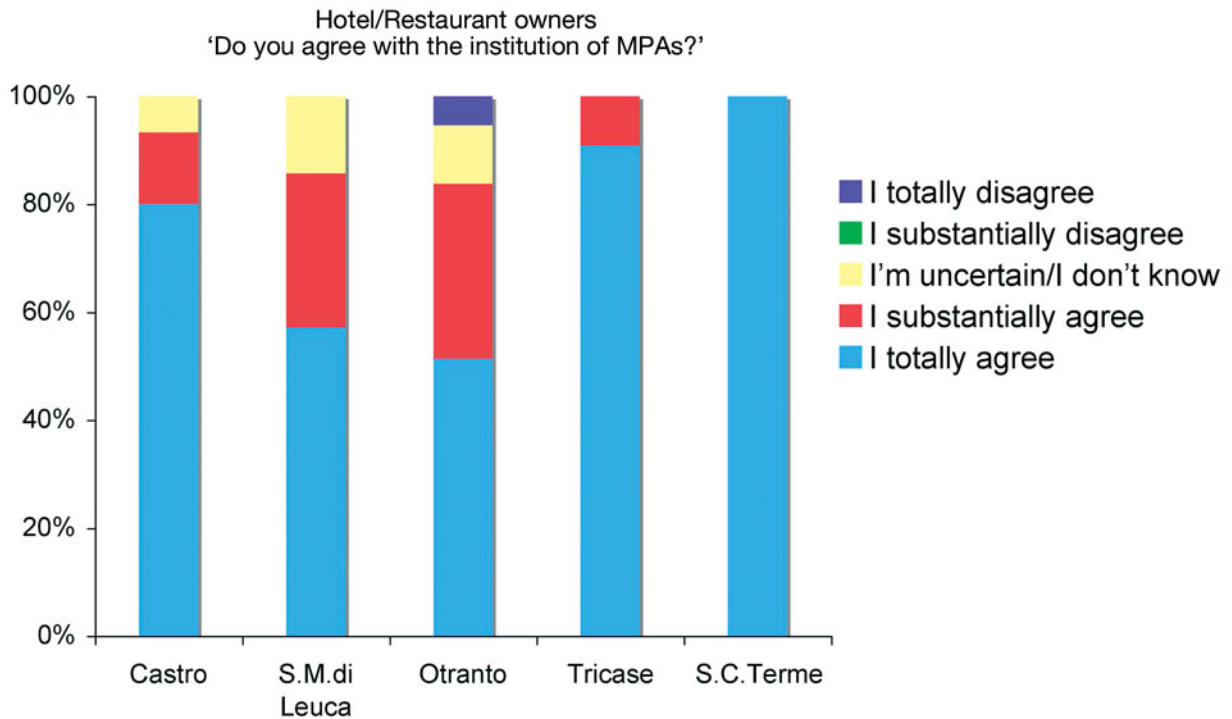
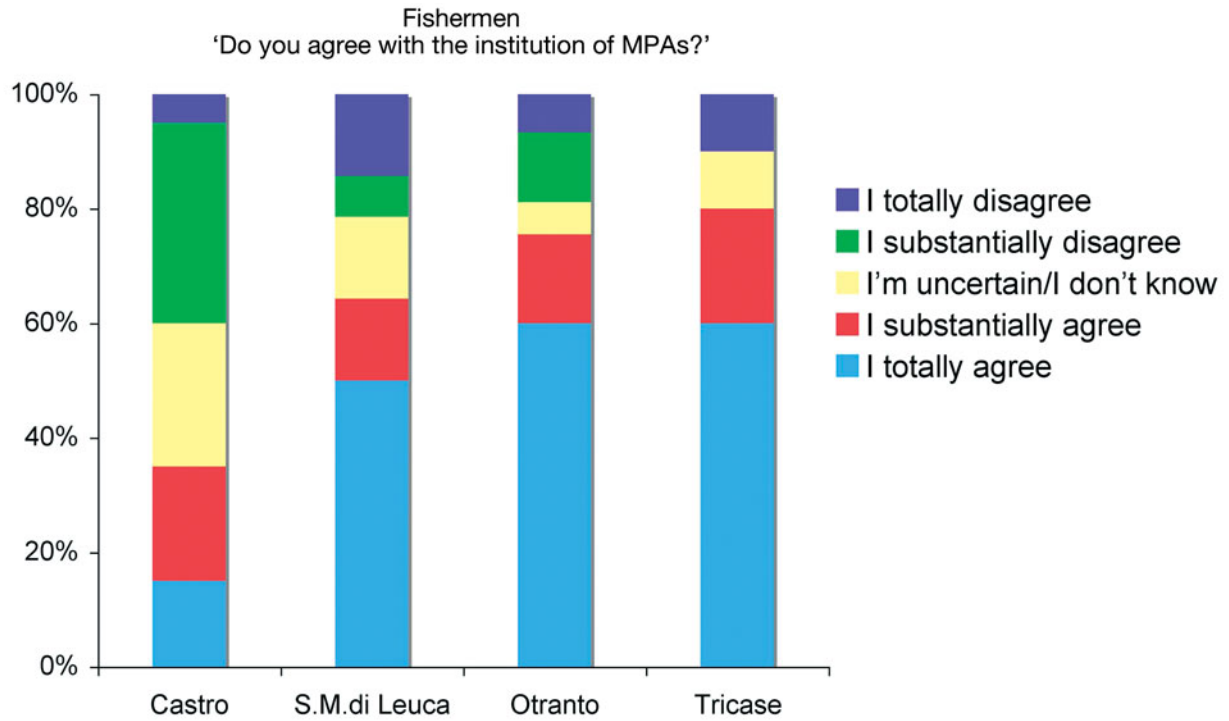


Fig. A1. Results from the questionnaires about MPA institution among stakeholders in the districts (Castro, S. M. di Leuca, Otranto and Tricase) along the stretch of coast under investigation. Data are expressed as percentages