



“Marine Ecosystems and climate change” Project

Data are collected by the Universities of Pisa (scientific referent Professor Federico Niccolini) for scientific research purpose within the framework of a project funded by the Italian Ministry of University and Research, titled "**Preserving Coastal Marine Ecosystem Functions and Services under Climate Change Pressure and Overfishing.**" Data will be processed **anonymously**, fully respecting privacy (in accordance with Legislative Decree No. 196 of June 30, 2003).

1. Are you on a day trip or on vacation?	<input type="checkbox"/> day trip	<input type="checkbox"/> vacation
2. If you are taking a vacation:	Location:	Duration (days):
3. During your stay, have you conducted snorkeling activities?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

IF YOU HAVE ANSWERED **YES**, PLEASE CONTINUE WITH THE SURVEY

PART 1 – Activity information

4. How many days have you engaged in snorkeling activities this year?	
Type of activity	Number
Snorkeling without guide	
Snorkeling with guide	

5. Please indicate the sites where snorkeling was carried out this year in this MPA this year and the number of days you snorkeled at each site		
	Site where the activity took place	Number of days
Site 1		
Site 2		
Site 3		
Other		

Thinking about the experience during the last dive:

6. Site:	
7. Please indicate how much satisfied you are with the experience, using a value from 1 to 5. Where 1: not at all - 2: slightly - 3: moderately - 4: very - 5: extremely	Score

8. Please indicate how much the following factors influenced your level of satisfaction with the experience using a value from 1 to 5 where 1: not at all - 2: slightly - 3: moderately - 4: very - 5: extremely		
	Factors	Score
A	The variety of flora and fauna	
B	The presence of big fishes	
C	The morphological variety of the landscape	
D	The presence of thermophilic species	
E	Other (specify)	

9. Please indicate the **level of satisfaction** of the following proposed **species**, using a value from 1 to 5. Where: 1: not at all - 2: slightly - 3: moderately - 4: very - 5: extremely

	Species	Score
A	Groupers (<i>Epinephelus e Mycteroperca</i>)	
B	Seabreams (<i>Diplodus</i>)	
C	Dentex (<i>Dentex</i>)	
D	Ornate wrasse (<i>Thalassoma pavo</i>)	
E	Rainbow wrasse (<i>Coris julis</i>)	
F	Salema porgy (<i>Salpa Salpa</i>)	
G	Common octopus (<i>Octopus vulgaris</i>)	

10. Please indicate **frequency of sightings** of the proposed **species**, using a value from 1 to 5. Where: 1: never - 2: very rare - 3: sometimes - 4: often - 5: very frequent

	Specie	Score
A	Groupers (<i>Epinephelus e Mycteroperca</i>)	
B	Seabreams (<i>Diplodus</i>)	
C	Dentex (<i>Dentex</i>)	
D	Ornate wrasse (<i>Thalassoma pavo</i>)	
E	Rainbow wrasse (<i>Coris julis</i>)	
F	Salema porgy (<i>Salpa Salpa</i>)	
G	Common octopus (<i>Octopus vulgaris</i>)	

11. Please indicate your **level of satisfaction** of the **marine habitats** listed below while diving, using a value from 1 to 5. Where: 1: not at all - 2: slightly - 3: moderately - 4: very - 5: extremely

	Habitat	Score
A	Sand	
B	Posidonia seagrass meadows	
C	Pinnacles	
D	Gently sloping rocky reefs with erect macroalgal cover	
E	Steeply sloping rocky reefs	

12. If you have **previously snorkeled at this site before 2018**, please indicate for each item if you have **observed changes**. If this is your first time, do not complete and move on to the following questions

		Increased	Decreased	Unchanged	Don't know
	The frequency of species sightings is				
	The size of observed specimens is				
	The variety of species present is				
	The presence of alien species is				
	The quality of the marine environment is				
	Overall, the quality of your experience is				

PART 2 – Willingness to Pay

<p>13. How important do you consider the establishment of marine protected areas for the conservation of coastal and marine environments?</p>	<input type="checkbox"/> Extremely important <input type="checkbox"/> Very important <input type="checkbox"/> Moderately important <input type="checkbox"/> Slightly important <input type="checkbox"/> Not important at all
<p>The quality of recreational activities carried out within the MPA, including snorkeling, depends on the conservation status of the MPA. Conservation of the MPA involves significant management costs. These costs are only partially covered by public funding (in Italy, by the Ministry of the Environment). Some MPAs worldwide also fund themselves through snorkeling fees, allocating a portion to marine environment conservation activities.</p> <p>14. Would you be willing to pay an increased price for each guided tour to ensure excellent conservation of the site?</p>	<input type="checkbox"/> yes <input type="checkbox"/> no
<p>15. If you answered yes, what is the maximum increase you would be willing to pay without reducing the number of each guided snorkeling days in this MPA?</p>	<p>€/day</p>

16. If you imagine you would return to this MPA in the future, and the following changes were to occur, would you still snorkeling?						
		No	Yes, paying the stated increment	Yes, paying increment of:	Yes, without increment	Don't know
A	Decrease in the average size of native individuals and no increase in non-native species			€		
B	Maintenance of the average size of native individuals and increase in warmer-water species. Maintenance of current algal status			€		
C	Decrease in native species and increase in warmer-water species. Desertification of rocky environments (presence of bare rock)			€		

PART 3 – General information

17. State of origin	
18. Age	
19. Study degree	

Date

Site