

Date: _____ Time: _____

QUESTIONNAIRE

The questionnaire is distributed within the context of the program NSRF (National Strategic Reference Framework) "**Synergy for the sustainable development and safety of the Hellenic Tourist Beaches (Beach Tour)**". The aim of this program is to develop an efficient management framework for **Gerakas beach**.

The process is anonymous and all answers will be regarded as strictly confidential.

Part 1: Description of the problem

The Greek touristic beaches provide very significant ecosystem services that support the socioeconomic development in Greece, as well as the European tourist industry. It is predicted that both the climate change and the increasing human pressures on the coastal environment will degrade beaches with substantial impacts on the environmental, social and economic development.

A main risk is coastal erosion which results in reduction of the ‘dry’ beach width, risk of flooding, loss of property and degradation of natural resources. To constrain these impacts, it is appropriate to design/implement coastal adaptation measures such as beach nourishment or/and construction of other coastal protection works.

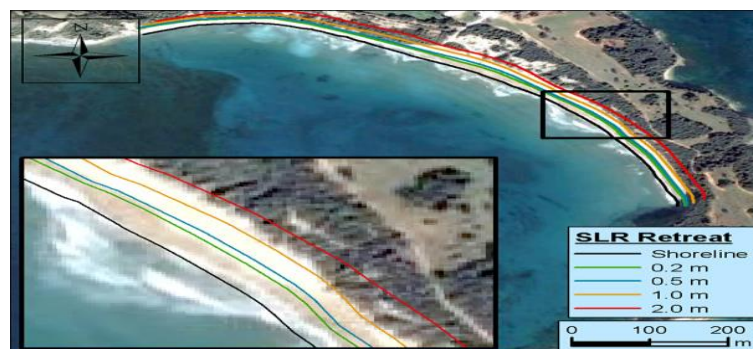


Figure 1: Beach recession predictions for Gerakas beach

Part 2: Preferences of visit and understanding of the problem

Evaluate the importance of the following characteristics to your decision to visit this beach today (1= least important - 5=most important)					
Water clarity / cleanness	1	2	3	4	5
Beach width / beach area	1	2	3	4	5
Type of sediment(e.g. Sand)	1	2	3	4	5
Recreational activities	1	2	3	4	5
Natural environment/Aesthetics	1	2	3	4	5
Beach facilities (umbrellas, sunbeds etc.)	1	2	3	4	5
Lifeguard services	1	2	3	4	5
Proximity of amenities (bars, shops, restaurants)	1	2	3	4	5
Proximity to accommodation	1	2	3	4	5
Popularity of beach	1	2	3	4	5
Accessibility	1	2	3	4	5
Biodiversity (i.e. Caretta caretta)	1	2	3	4	5
Other					

How often do you visit this beach during your stay at the area (on a scale of 1 = rarely to 5= very often)?	
Would you visit this beach again (on a scale of 1= small desire to 5= high desire)?	

Are you aware or have you noticed the effects of erosion on the beach?	
I am aware but I have not noticed	
I am aware and I have noticed	
None of the above	

Questions i to v only for tourists.

i. How long will you stay at the area?							
< 1 day		1 - 3 days		3 - 5 days		5 - 7 days	> 7 days

ii. Are you staying in an all-inclusive resort?				YES		NO	
ii. If YES , which is the most important reason for that choice?							
Beach		Price		Convenience		Variety of options (dining, activities etc.)	Other
v. If the state of the beach were to deteriorate, would you still make the same choice for your accommodation?						YES	NO

v. What is your vacation budget ?							
< 100 €		100-300 €		500-1000 €		1000 -3000 €	>3000 €

Part 3: Willingness to pay

For residents / local businessman:								
For the conservation, protection and management of the beach it is necessary to implement measures through which the economic and social prosperity (tourism) as well as the environmental sustainability will be assured. Are you willing to pay a voluntary annual fee for such measures (applied for the implementation period of the measures)?								
YES		NO						
If YES : How much would you be willing to pay?				1-5€		5-10€	10-90 €	>90 €

For beach users:								
For the conservation, protection and management of the beach it is necessary to implement measures through which the economic and social prosperity (tourism) as well as the environmental sustainability will be assured. Are you willing to pay for such measures supporting a dedicated fund?								
YES		NO						
If YES : How much would you be willing to pay?				1-5€		5-10€	10-90€	>90€

If you refused to pay for the treatment of beach erosion, what is the main reason for your choice?	
Natural protection should be regulated by laws	
I don't earn enough	
I don't care	
I don't believe that there is an erosion problem	
I will go to another beach	
Beach is a public good and I'm not willing to pay for its use	
I need more information / time to think about it	

Would you revisit this beach if the erosion impacts became apparent (width reduction, overcrowding)?	
Yes, I would not be affected	
No, I would go to another beach	

Would you revisit this beach if the Caretta caretta population was affected/ became extinct?	
Yes, I would not be affected	
No, I would go to another beach	

Part 4: CIT (Climate Index Tourism)

How would you describe your thermal sensation at this moment?													
Very hot		Hot		Warm		Slightly warm		Indifferent		Slightly cool		Cool	

Which is the temperature range that makes you feel most comfortable (in °C)?									
<10°C		10-20°C		20-30°C		30-38°C		>38°C	

Select your ideal /preferred sky conditions (Sunshine / Cloudiness):	
Clear sky (0 % cloudiness)	
Scattered cloud (0 - 39 % sky covered)	
Sky covered (40 - 79 % sky covered)	
Overcast (80 -100% sky covered)	

Select your ideal /preferred precipitation conditions (Rainfall):	
Absence of Rain (0 mm / hour)	
Light Rain (0 - 1 mm / hour)	
Moderate Rain (1 - 16 mm / hour)	
Heavy Rain (16 - 50 or > 50 mm / hour)	

You are at the beach and it rains for about an hour and you don't know when or if it will stop. Are you likely to leave the beach?	Yes		No	
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Select your ideal /preferred wind speed conditions :	
1) Absence of wind (0 Beaufort)	
2) Light breeze (1-19.4 km/h OR 1-2-3 Beaufort)	
3) Fresh breeze (19.5 - 39.8 km/h OR 4-5 Beaufort)	
4) Strong breeze (39.9 - 62 km/h OR 6-7 Beaufort)	

You are at the beach and the wind is a nuisance . For example, it blows personal belongings away, blows sand onto your beach towel, into your clothing and refreshments. At which condition do you consider leaving the beach? (Pick a number from previous question)	Number
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Select your ideal /preferred wave conditions :	
No waves (Calm Sea)	
Small waves (0.1-0.3 m)	
Moderate Waves (Presence of Foam close to the shoreline, 0.4-0.6 m)	
Very High waves (Surf Conditions, > 0.6 m)	

Part 5: Social-Demographic characteristics

Are you a:							
Resident		Local businessman		Local tourist		International tourist	

Is it your first visit to this destination?							
YES		NO					
If YES how many times have you visited the area?							

Gender:		Male		Female	
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Age:		<20		21-30		31-40		41-50		>50
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Marital status:		Single		Married	
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How many people are in your household, including you:	
How many of them are minors:	

Education level:	
Secondary education	
Bachelor or equivalent	
Master or equivalent/ PhD	
Other	

Occupation:	
Publicly employed	
Privately employed	
Businessman	
Student	
Housewife	
Pensioner	
Unemployed	

Annual income:						
0-7.000 €		7.000-15.000 €		15.000-30.000 €		> 30.000 €