





Challenges and Solutions in marine litter



MUNICIPALITY OF PLATANIAS - CRETE







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One of Crete's most busy touristic areas

With long, sandy coastline, and remoted attractions

- -~2.5 million visitors annually
- •1/3 of hotel beds in Chania prefecture









As a result of this seasonal increasement of the population is the accumulation of a large waste mass mainly on the coastline of the Municipality.







Geomorphological alternation:

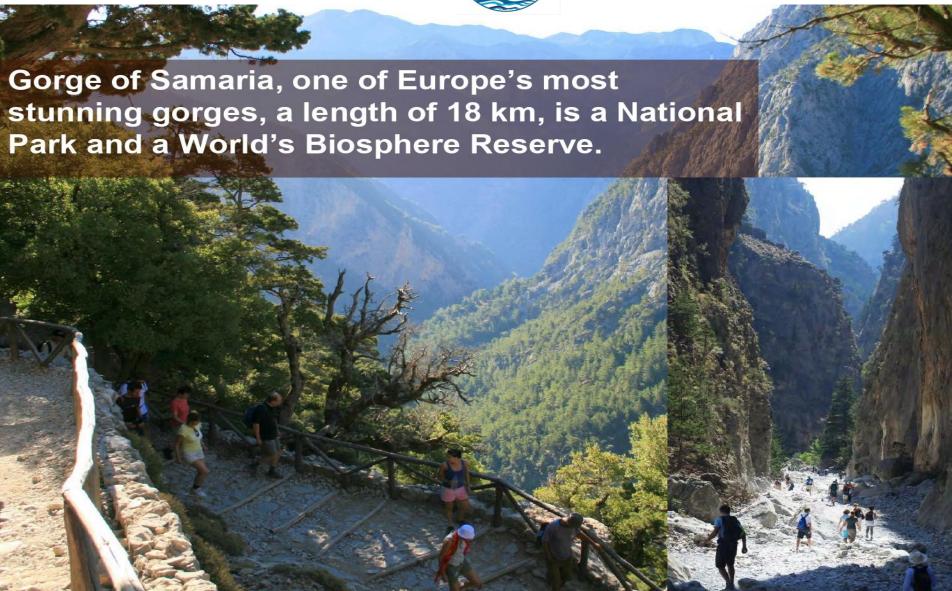
Great territorial diversity, mountains (White mountains), plateau (Omalos), Samaria Gorge National Park, (a World's Biosphere Reserve), gorges, big rivers (Tavronitis, Keritis-Iardanos, Nterianos, Spilianos) and tributaries e.t.c.









































IMPORTANT NOTICE

Platanias Municipality along with other neighboring areas of high natural value, they have joined the European Ecological Network NATURA 2000 in the area (GR4340003) "Rodopou Peninsula - Maleme Beach".

This network includes spawning beaches of the sea turtle Caretta where the **Sea Turtle Protection Society of Greece "ARCHELON"** is active











any interventions are made outside the zone of sand dunes on which grows the lily of the beach







Our unique visitor.....Caretta Caretta

During the spawning season of the Caretta caretta turtle (from 1 May to 31 October every year), none municipal vehicle is active on the beaches, while if any waste accumulation is required this is performed manually.

It has been observed that the compaction of the sand by wheeled vehicles, the removal of algae and garbage from the beaches with heavy machinery, the destruction of sand dunes by sand extraction, tree planting and road openings result in the change of the physicochemical composition of the beach sand and number and reduce the success of turtles nests.













Therefore, before each spawning period, the people of Sea Turtle Protection Society ARCHELON, inform the competent Department of Cleaning & Recycling of the Municipality of Platanias, so that the coastal garbage collection should be done only by manual means.















- ➤ The Municipality of Platanias provides due to the competent Department of Cleaning and Recycling, 3 communication phone numbers for the citizens where they can arrange an appointment for the bulk collection.
- ➤ With its own forces, the Municipality is sweeping the coastal shoreline at regular intervals, and in the summer on a daily basis.
- In fact, on a coastline of about 30km, the sweeping is done manually following the instructions of the Sea Turtle Protection Society ARCHELON for the safety of the sea turtle Caretta Caretta. Employees of the Cleaning and Recycling Department manually collect garbage along the shoreline.











> The waste collection on the beaches of the Municipality is done by vehicles, only after planning and before the spawning period of sea turtles.



















The Municipality of Platanias assists with both, machinery and human, resources of the Department of Cleaning and Recycling in any voluntary environmental effort of NGOs or every simple volunteer groups for the waste and plastic coastline collection. For example, the Municipality has been an active member for the past 5 years of the largest Voluntary Action of the country "Let's do it Greece" for the protection of the environment which includes coastal

cleaning activities.







❖ For the Municipality of Platanias, cleanliness in general and in the special context of the beaches, is one of the main pillars of its interest. Due to geomorphological alternation and seasonal population increasement, the municipality is constantly looking to find solutions, means, resources and methods for the optimal waste management.

In this framework submits studies, actions plans

and projects.







IN PROGRESS...

A proposal for bio-waste management. The Municipality of Platanias seeks to extend the recycling program of the four packaging materials, (paper, plastic, aluminium and glass) and to install coffee

bins for a separate collection composters.









➤ A study for Green Waste Collection Point. This is about a landscaped area, with appropriate building infrastructure and equipment where they will be deposited recyclable materials, collected separately, such as paper, glass, metals, plastics, textiles, edible oils or used items and equipment (clothing, furniture, electrical and electronic equipment) for recycling or reuse. This point aims to receive and forward green waste/trimmings to be composted, as well as recycling and/or reusing other domestic material and objects, such as electrical appliances, furniture, toys, etc.









A study for Recyling Corners (under preparation): It is about small areas located in different places of the region of Municipality, where the citizens could deposit separately collected recyclable waste, that will be collected by the Department of Cleaning & Recycling of the Municipality of Platanias









Generally, the Municipality of Platanias has managed many EU co-financed projects, gaining experience in the management of national and international projects in education and awareness, with particular emphasis on the environment and ecosystems. In this framework, it seeks to separate organic waste and to find methods in order to reduce environmental pollution. It has implemented various relevant Projects and it constantly submits relevant proposals for approval.









Finally the Municipality pays attention to the need of citizens information and raising awareness about the importance of recycling in daily life and in shaping culture and mentality in waste management.

Therefore, a large awareness campaign on cleanliness and recycling is in progress







Municipality of Platanias is actively working towards sustainable development in all sectors.





The Mayor Mr John Malandrakis was further committed to this vision by signing the COVENANT OF MAYORS in 2013 and he is actually continuing his politics, based on this commitment!







The citizens awareness along with the infrastructures and studies, contribute to the vision of the Municipality of Platanias for a Green Destination, an attractive, accessible, safer and healthier environment to live, work and enjoy!

