

Prosfero Campaign

"<u>Prosfero</u>" campaign is funded by Procter & Gamble and AB Vasilopoulos and implemented by iSea with the aim to achieve cleaner beaches and coasts. The 11th wave of "Prosfero" campaign includes 16 underwater and beach clean-up actions carried out during June-July 2021 in different regions of Cyclades.

The coordination and organization of the actions began in May 2021 and the implementation of the actions took place in June-July 2021.

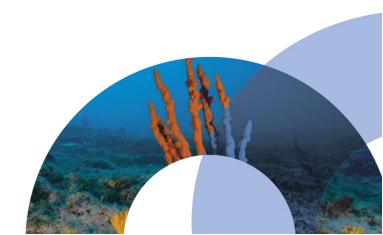
All clean-ups were coordinated by 3 representatives of iSea. Two divers were responsible for the coordination of the participant divers, the localization, and the volunteers that were helping at the retrieval of marine litter. Another iSea representative was responsible for the coordination of the volunteers, who were supporting the retrieval of the removed marine litter to the coast and their recording to survey forms.

The present interim report refers to the activities already conducted in the context of the 11th wave of "Prosfero".

Project Coordinators:

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Underwater cleanups

During the period of June -July 2021, 8 underwater clean-ups were implemented in the context of the 11th wave of Prosfero Campaign. In particular, 2 underwater clean-ups were implemented on Milos, 1 on Naxos, 1 on Paros, 1 on Andros and 3 on Syros islands (Table 1).

Underwater clean-up details:

1st Activity (A1): Pollonia Port, Milos 2nd Activity (A2): Adamas Port, Milos 3rd Activity (A3): Naxos Port, Naxos 4th Activity (A4): Naousa Port, Paros 5th Activity (A5): Korthi Port, Andros 6th Activity (A6): Kini Port, Syros 7th Activity (A7): Foinikas Port, Syros 8th Activity (A8): Lazareta Port, Syros

Table 1. Supplementary data of "Prosfero 11" underwater clean ups conducted during June- July 2021.

Activity code	<u>Date</u>	<u>Volunteers</u>	<u>Divers</u>	<u>Litter collected (kg)</u>
A1	22-06-21	6	4	100
A2	23-06-21	5	3	210
A3	27-06-21	5	2	750
A4	28-06-21	5	2	249
A5	30-06-21	6	6	315
A6	01-07-21	2	2	348
A7	02-07-21	4	2	320
A8	02-07-21	4	2	560
<u>Total</u>		23	9	2852

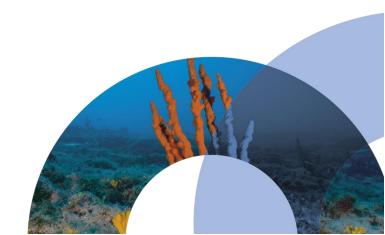




Figure 1. Some aspects of the underwater clean ups conducted in Cyclades.

Beach cleanups

During the same period of June- July 2021, 8 beach clean-ups took place in the context of the 11th wave of Prosfero Campaign. In particular, 2 beach clean-ups were implemented on Milos, 2 on Naxos, 2 on Paros and 2 on Syros islands (Table 2).

Beach clean-up details:

9th Activity (A9): Pollonia, Milos

10th Activity (A10): Papikinos, Milos

11th Activity (A11): Grotta, Naxos

12th Activity (A12): Agios Ioannis, Naxos

13th Activity (A13): Krios beach, Paros

14th Activity (A14): Livadia beach, Paros

15th Activity (A15): Ormos Korthiou, Andros

16th Activity (A16): Paralia Lotou, Syros

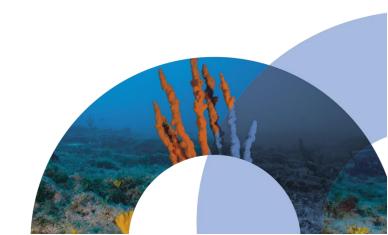
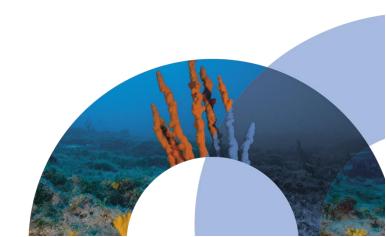


Table 2. Supplementary data of "Prosfero 11" beach clean ups conducted during June- July 2021.

Activity code	Date	Volunteers	Litter collected (kg)
Α9	22-06-21	5	3
A10	23-06-21	4	5
A11	26-06-21	9	72.3
A12	27-06-21	8	48.1
A13	29-06-21	5	28
A14	29-06-21	3	1.8
A15	30-06-21	10	66.2
A16	01-07-21	2	3
Total	1	32	227.4



Figure 2. Some aspects of the beach clean ups conducted in Cyclades.



Total Litter data:

The total number of the recorded litter types is 7, according to the protocol established and used by the participating organizations in the Cooperative Network for the Marine Environment (Plastic, Rubber, Fabric, Metal, Paper, Processed Wood and Glass items).

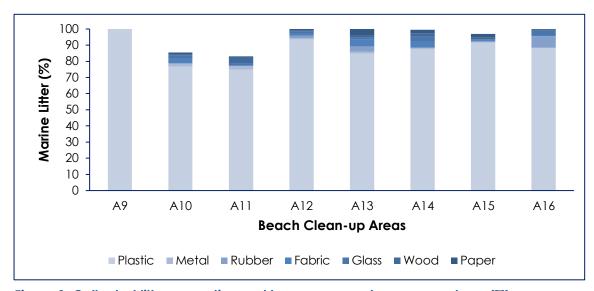


Figure 3. Collected litter per action and type, expressed as a percentage (%).

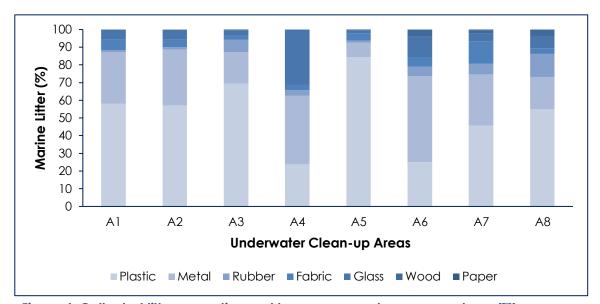
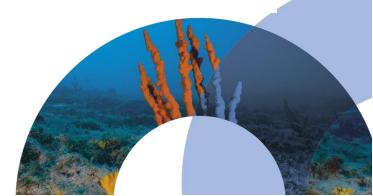


Figure 4. Collected litter per action and type, expressed as a percentage (%).



The most common litter type in the majority of the actions is plastic with a rate being over 70%.

On **Milos** island (A1-A2), most of the items belonged to plastics (56%), possibly because the examined areas attract a great number of tourists and host many fishing activities. In addition, 80% of the total litter collected during the beach clean-ups (A9-A10) were also plastic.



Figure 5. Some aspects of the beach and underwater clean ups conducted on Milos island.

A great percentage of plastic also appeared on **Naxos** Island during the beach clean-ups (A11, A12), overcoming 70% of the total litter. Moreover, a great number of brick pieces and wood items was also found. The underwater clean-up in Naxos (A3), revealed more litter items mostly related to fishing activities. More specifically, amongst the most abundant items were bags, fishing lines, bottles, ropes and twines, fishing nets, beverage and beer cans, SUP cups and lids, vehicle tires, plastic pieces (>2.5), building materials and food packaging.







Figure 6. Some aspects of the underwater and beach clean up conducted on Naxos island.

During the underwater clean-up on **Paros** Island (A4), most of the items belonged to metal (38%) and glass (32%) type. In particular, the significant number of utensils and glasses recorded in the survey area could be attributed to the nearby touristic businesses. However, plastic items were observed in lower percentages. As expected given that there are touristic businesses around the areas, during the beach clean-ups on Paros Island (A13, A14), the furthest most abundant items were plastics with 86% in both beaches.





Figure 7. Some aspects of the underwater and beach clean ups conducted on Paros island

On **Andros** Island, in both underwater (A5) and beach clean-up (A15), the most abundant items belonged to plastics. With regards to the underwater clean-up, plastics reached a percentage equal to 93% and regarding the beach clean-up reached 92%. On the seafloor, bottles, fishing lines, beverages and beer cans, and SUP cups and lids were also appeared.





Figure 8. Some aspects of the beach and underwater clean up conducted on Andros island.

On **Syros** Island (A6, A7, A8), most of the items belonged to metal type. Interestingly, at Kini Port (A6) most of the litter were anchors either thrown away or cut by accident. It is also worth noting that in Lazareta Port (A8), most of the litter found underwater were vehicle tires that are used as floaters in the ports, but during the winter they get untied from the severe waves and end up on the seafloor. In addition, there were found bottles, fishing lines, beverages and beer cans and SUP cups and lids, beverage and beer cans and fishing lines. With regards to the beach clean up, plastic and rubber pieces were found in a great abundance.





Figure 9. Some aspects of the underwater and beach cleanups conducted on Syros island.

In general, the highest amount of litter during all the beach and underwater clean-ups were plastic items of all sizes. The only exceptions to all 16 clean-ups were in Kini Port on Syros Island where the biggest percentage was metal, due to all the anchors of fishers and in Lazareta Port where there was a significant number of rubber items and mostly vehicle tires.

Based on the total data resulted from the **underwater clean-ups**, fishing nets were recorded and collected from Naxos (A3) and Andros (A5), while plastic pieces (>2.5 cm) from Milos (A2), Andros (A5) and Foinikas, Syros (A7). Furthermore, building materials were collected from Andros (A5), fishing lines from Naxos Port (A3), Andros (A5) and Foinikas, Syros (A7), SUP cups and lids from Andros (A5), bags and pieces from Andros (A5) and Milos (A2). In addition, food packaging was collected from Milos (A2), ropes and twines from Naxos Port (A3) and Andros (A5), vehicle tires from Lazareta, Syros (A8)



and Foinikas, Syros (A7), clothes from Andros (A5), carpets from Milos (A2), pallets and pieces from Lazareta, Syros (A8), beverage and beer cans from Pollonia and Adamas of Milos (A1, A2), Naxos Port (A3) and Naousa, Paros (A4), fishing traps from Foinikas, Syros (A7), bottles from Pollonia and Adamas of Milos (A1, A2), Andros (A5) and Lazareta, Syros (A8), bottles and pieces of glass from Naousa, Paros (A4) and Adamas, Milos (A2).

Based on the total data resulted from the **beach clean-ups**, a great number of plastic pieces (>2.5 cm) were collected from the majority of the beaches, while they appeared to be most abundant in Grotta, Naxos (A11), Agios Ioannis, Naxos (A12) and Ormos Korthiou, Andros (A15). Moreover, strings and cords were found in Ormos Korthiou, Andros (A15), Paralia Lotou, Syros (A16) and Agios Ioannis, Naxos (A12), cigarette butts and filters in Ormos Korthiou (A15), Paralia Lotou, Syros (A16) and Agios Ioannis (A12). Straws and stirrers in Paralia Lotou, Syros (A16) and Agios Ioannis, Naxos (A12), glass pieces in Grotta, Naxos (A11) and Paralia Lotou (A16), while plastic caps were found in both beaches of Naxos (A11, A12). Many cotton bud sticks and small plastic bags were found in Agios Ioannis (A12) and Paralia Lotou (A16), foam sponges in Grotta, Naxos (A11) and Paralia Lotou (A16). Finally, in Agios Ioannis, Naxos (A12) and Ormos Korthiou (A15) were found polystyrene pieces (>2.5 cm). Extremely interesting is the fact that during the beach clean-ups, many beaches were impaired by microplastics. In five beaches (A10, A11, A13, A14, A16) where the activities took place, there were found in total 330 plastic pieces (<2.5 cm).

Taking into consideration the number of litter items per m², regarding the number of litter items found in the aforementioned areas of the underwater clean-ups, the areas considered to be the most severely impaired were in descending order A5, A2, A4, A3, A7, while the cleanest areas were A1 and A6. Regarding the beach clean-ups, the areas considered to be the most severely impaired were in descending order A11, A15, A12, A16, while the cleanest areas were A13 and A9.

The ten most common litter items during the 16 underwater and beach cleanups are shown in the Figures 10 and 11.

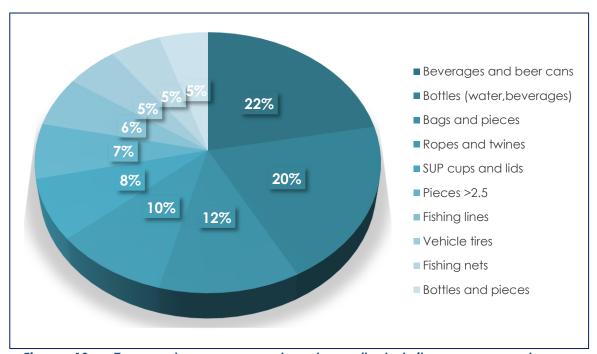


Figure 10. Ten most common underwater collected items, expressed as a percentage (%).

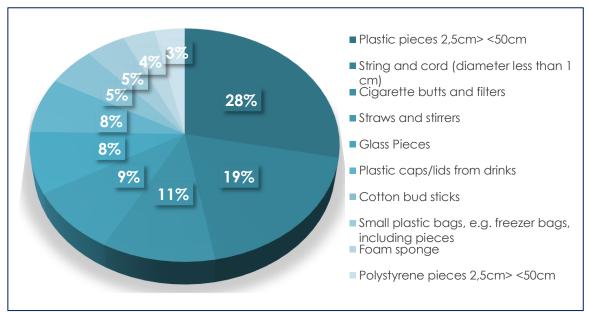


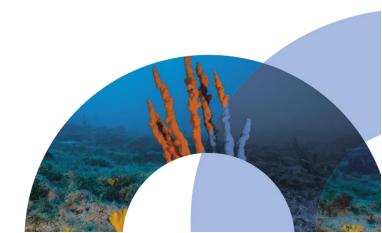
Figure 11. Ten most common beach collected items, expressed as a percentage (%).



From the total amount of litter removed in the context of 8 underwater cleanups, the highest number of them was beverages and beer cans. Most of them were removed from fishing ports and areas with a small-scale fishing and recreational activities; for the same reason, the second most abundant item found was bottles and bags, while fourth in order was ropes and twines. Most of the fishing gear found in the current clean-ups could be explained by the fishing activities taking place in the area, indicating the main use of these ports.

In the context of the 8 beach clean-ups, the total amount of litter removed were plastic pieces (>2.5 cm), strings and cords and cigarette butts. This demonstrates the fact that all beaches of interest are accessible to the public throughout the entire year and had touristic businesses around the area. Lastly, next in order is glass pieces and plastic caps.

After each clean-up, a protocol was followed according to Marine Strategic Framework Directive (MSFD) recommendations in order to record litter data collected from the seafloor to a survey form. In addition, the D10C2 index according to the MSFD was computed, more specifically, the mean value was found equal to 0.09 items m⁻². The total area of the seafloor that was cleaned was 54,669.40 m². The same process followed for the beach cleanups.



General details:

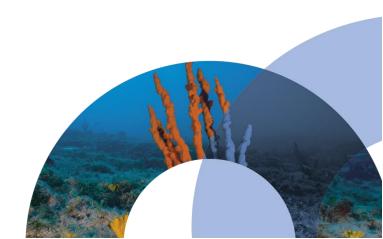
In the context of 8 underwater clean- ups already implemented in the context of "Prosfero" Campaign a total number of **23 different volunteers** contributed to the activities and the removal of marine litter from the seafloor, mainly helping the divers to lift the litter to the port dock. The volunteers included iSea members and local representatives from touristic businesses and volunteer teams from civil protection groups to associations.

In total, **8 different divers** participated in the underwater clean-ups. Two of them belonged to iSea's trained diving team and 6 of them represented local diving associations and diving centers.

A total amount of about **2852 kg of litter were collected** from the seafloor of the ports of Cyclades. Among the items removed from the seafloor extraordinary things were included such as flares, a radio, a transistor, a DVD player, binoculars, a CD, local products and a pillow.

In the context of 8 beach clean-ups, a total number of **32 different volunteers** contributed to the activities and the removal of litter from beaches, picking up the litter manually from the ground. The volunteers included iSea members and local representatives from touristic businesses and volunteer teams from civil protection groups to associations.

A total amount of about **227.4 kg of litter were collected** from the beaches of 5 islands in Cyclades. Among the items removed, extraordinary things were included like a denture, wireless headphones, a comb hair, umbrella pieces, a smoke canister and a hanger.

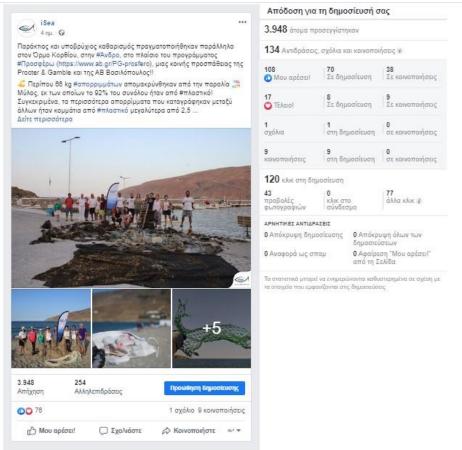


Communication plan:

Due to Covid-10 pandemic and to avoid crowd gathering in the context of "Prosfero", call for volunteers and activities announcing posts were not published, likewise the previous waves. The activities were implemented mainly by iSea diving team and coordinated by iSea members, along with a restricted number of volunteers, respecting all the necessary precautionary measures.

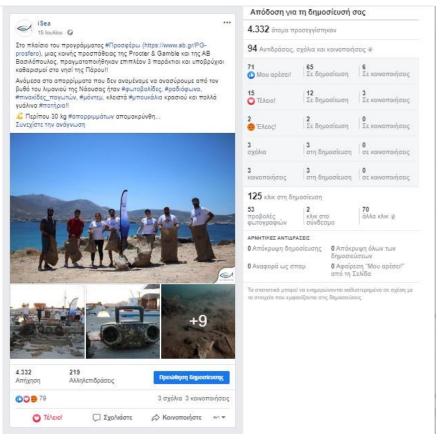
The posts so far in our social media accounts are displayed below:

Facebook





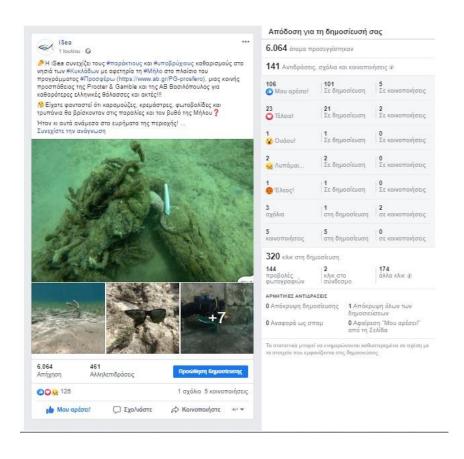










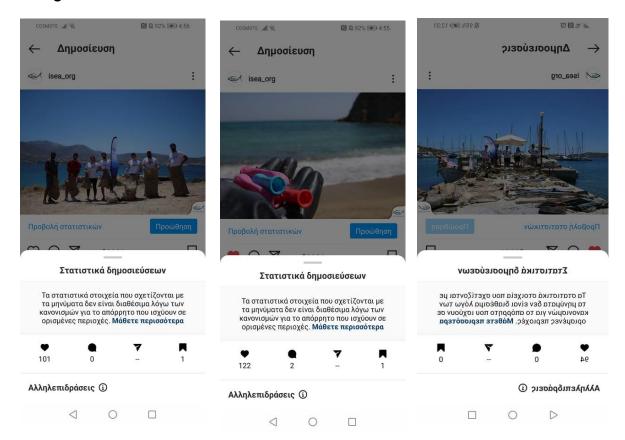






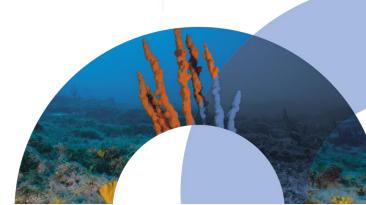


Instagram



Twitter









iSea @IseaOrg
During the cleanups conducted with the support of Procter &
Gamble and AB Vassilopoulos in Paros island, litter such as
#radio, #ice_cream_tin_signs, #modem, #utensils and #butts were removed!

Find more here: https://bit.ly/326Udz7_pic.twitter.com/TSQJrqrzct

Impressions times people saw this Tweet on Twitter	536
Total engagements times people interacted with this Tweet	12
Media engagements number of clicks on your media counted across videos, vines, gifs, and images	8
Likes times people liked this Tweet	3
Retweets times people retweeted this Tweet	1



iSea @IseaOrg Next stop of #Prosfero project was Naxos, where 870 kg of marine litter were removed with the support of Procter & Gamble and AB Vassilopoulos, and the collaboration of local authorities and

Find more here: https://bit.ly/326Udz7_pic.twitter.com/IDt6uri195

Impressions times people saw this Tweet on Twitter	
Total engagements times people interacted with this Tweet	11
Likes times people liked this Tweet	4
Media engagements number of clicks on your media counted across videos, vines, gifs, and images	2
Link clicks clicks on a URL or Card in this Tweet	2
Detail expands times people viewed the details about this Tweet	2
Profile clicks number of clicks on your name, @handle, or profile photo	1





iSea @IseaOrg
#Prosfero project travels to the Cyclades with the support of
Procter & Gamble and AB Vassilopoulos! More than 300 kg were
removed from the beaches and ports of @milosisland with the
collaboration of local authorities, associations, and diving centers! pic.twitter.com/PtCNIHsLJL

Impressions times people saw this Tweet on Twitter	
Total engagements times people interacted with this Tweet	12
Media engagements number of clicks on your media counted across videos, vines, gifs, and images	8
Likes times people liked this Tweet	3
Replies replies to this Tweet	1



iSea @lseaOrg
More than 1 ton of litter was removed from beaches and ports of
#Syros, under #Prosfero project with the support of Procter &
Gamble and AB Vassilopoulos! Among the most abundant items
were butts, bags, straws, bottles, cans and tires!

Find more here: https://bit.ly/326Udz7_pic.twitter.com/KwCjeCT5ab

Impressions times people saw this Tweet on Twitter	149
Total engagements times people interacted with this Tweet	4
Media engagements number of clicks on your media counted across videos, vines, gifs, and images	2
Likes times people liked this Tweet	1
Detail expands times people viewed the details about this Tweet	1



440

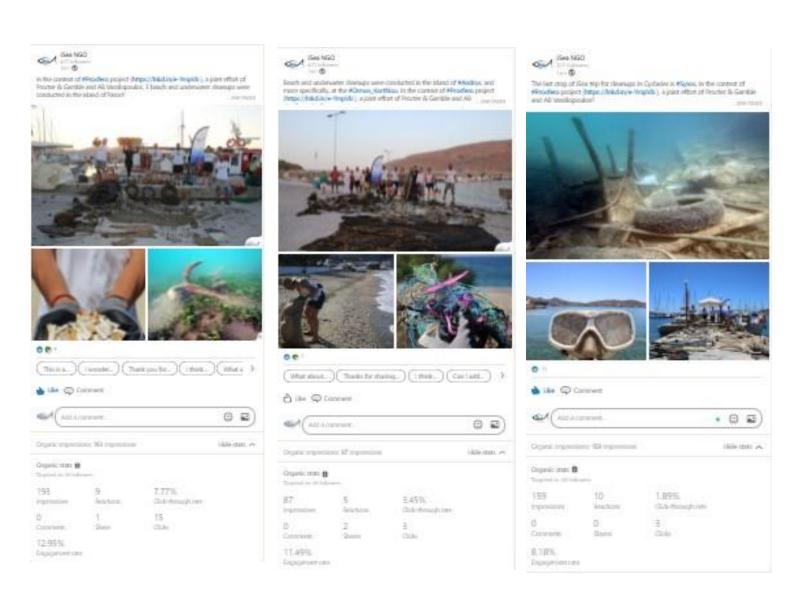
LinkedIn

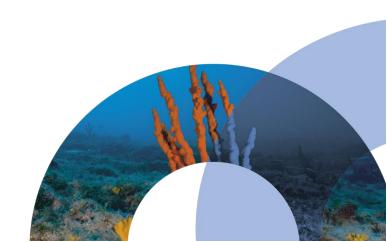












In addition, a **press release** was created and shared to local and national new out containing the total results of the Prosfero project and more specifically, the results came out from the 11th wave of the Prosfero Campaign took place in Cyclades. The impact of the press release is shown below:

Μέσο	Σύνδεσμος
Κοινή Γνώμη	<u>Link1</u>
Μακεδονία	<u>Link2</u>
Cyclades 24	Link3

Furthermore, the following articles were published before and during the Prosfero campaign in Cyclades:

Μέσο	Σύνδεσμος
androsportal	<u>Link1</u>
Naxospress	Link2
cycladesvoice	<u>Link3</u>
Cyclades24	Link4
naxosfan.blogspot	<u>Link5</u>
sportcyclades	<u>Link6</u>
kykladiki	<u>Link7</u>
Cyclades24	<u>Link8</u>
KE∆E	<u>Link9</u>
syrostoday	Link10
santorinipress	Link11
miloslife	Link12
Κοινή γνώμη	Link13
milosvoice	Link14
milosnews	Link15
mileikanea	Link16
naxospress	Link17
syrospress	Link18
andrionclub	Link19
androsportal	Link20
Κοινή γνώμη	Link21
logotypos	Link22



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