

“Demonstrating resource efficient through innovative, integrated waste recycling schemes for remote areas”



Current actions for the Municipality of Naxos & Small Cyclades:
Local Communities of Koufonisi, Iraklia, Donousa and Schinoussa

Final results from the operation of the Green Kiosks in Small Cyclades for the entire demonstration period of the project



Naxos
Municipality of Naxos and Small Cyclades

Municipality of Naxos & Small
Cyclades



ΔΗΜΟΣ ΑΡΧΑΙΑΣ ΟΛΥΜΠΙΑΣ

Municipality of
Ancient Olympia



National Technical
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Results of the project for Small Cyclades

The European project LIFE PAVEtheWAYSTE was developed to facilitate recycling in the remote regions of the country and to strengthen decentralized waste management, thus contributing to the achievement of the objectives set by the European Union in the light of Circular Economy and Resource Efficiency and ultimately to the protection and upgrade of the environment of the project's action areas. Even though the Green Kiosk is the first and only recycling structure in Small Cyclades, the residents showed significant interest and actively participated in this project for the good of the environment.

The prototype recycling systems were put into operation during the summer of 2018. Since then they have contributed significantly to the waste management of the Small Cyclades, gathering over 153 tons of recyclable materials.

Iraklia



Donoussa



Schinoussa



Koufonissia

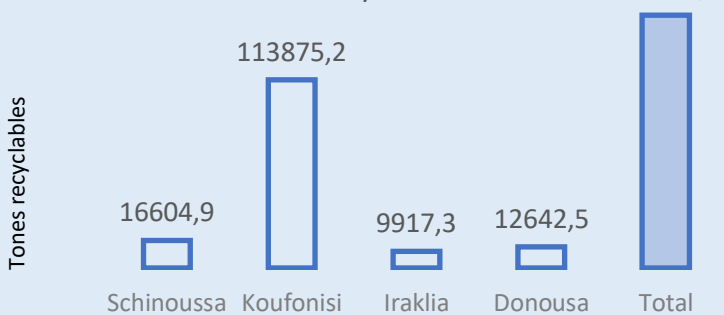


Results of the project for all islands from 08/2018 until 09/2021

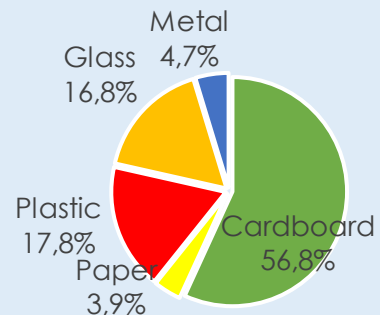
From the operation of the four Green Kiosks in Small Cyclades during the demonstration period:

- ✓ More than **153 tons of recyclable materials** were collected
- ✓ A **purity level larger than 95%** was achieved
- ✓ More than **570kg of special waste streams** were collected
- ✓ More than **97%** of all collected materials were **recovered** (i.e. the proportion of recyclable materials that are used to produce new products)
- ✓ More than **200 households and businesses** were informed about the operation of the Green Kiosks
- ✓ Up to **90% compression** was achieved
- ✓ More than **3350 cubic meters** of materials (waste) were diverted from landfill
- ✓ More than **70 tons of carbon dioxide (CO2) emissions** were avoided annually

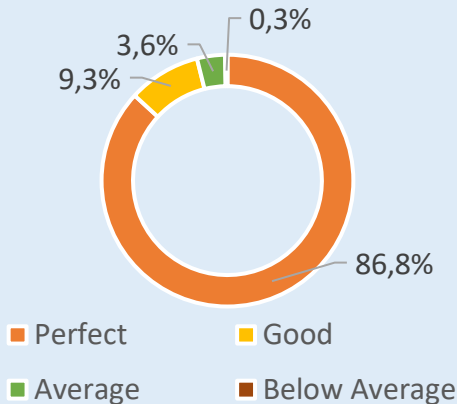
Collected Recyclable Material (tn) in Small Cyclades



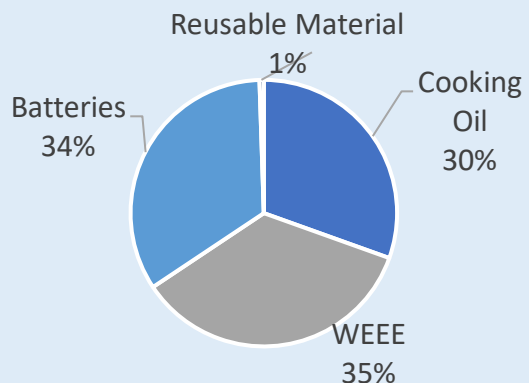
Percentage of recyclable material collected in Small Cyclades (by weight)



Quality of the recyclable material collected in small Cyclades



Percentage of special waste streams collected (by weight)

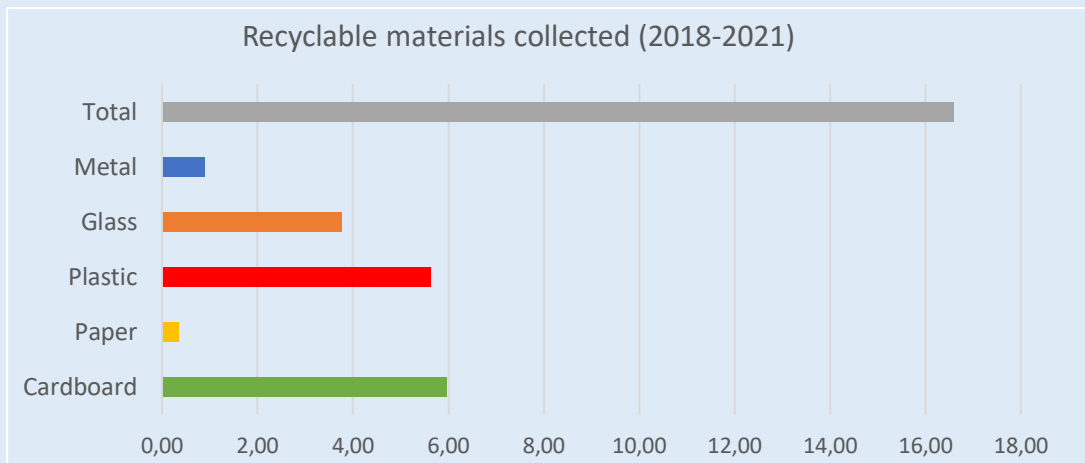


Results of the project for each Local Community

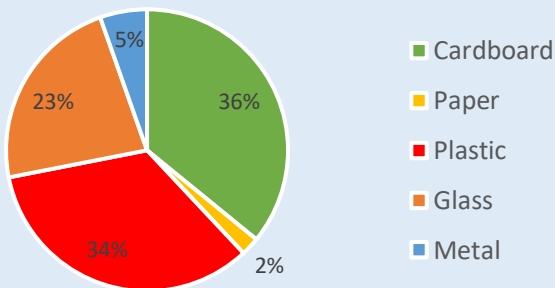
Local community of Schinoussa



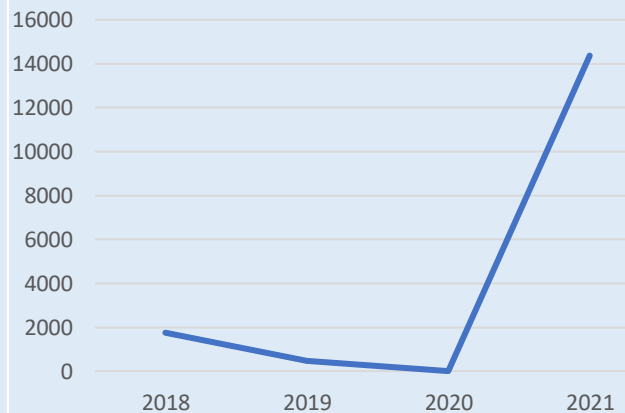
- ✓ Collection of more than 16 tons of recyclable materials
- ✓ Recovery rate above 98%
- ✓ Material purity above 98%



Percentage of recycled material collection (by weight)



Annual variation in material collection

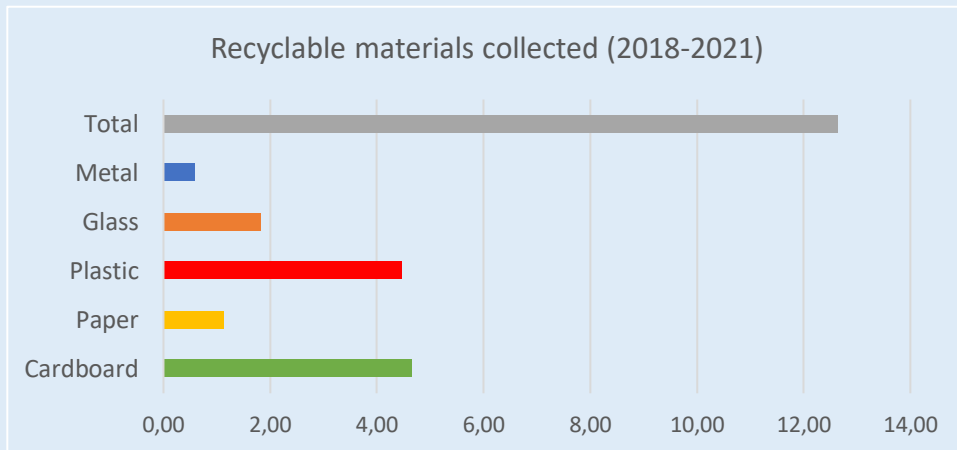


Results of the project for each Local Community

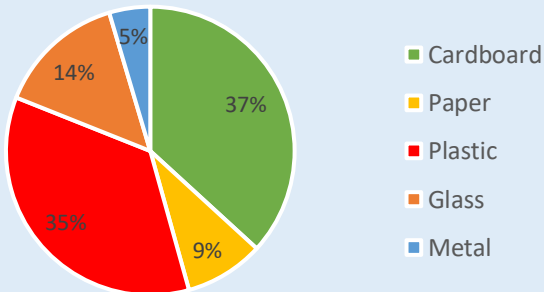
Local community of Donousa



- ✓ Collection of more than 12 tons of recyclable materials
- ✓ Recovery rate above 94%
- ✓ Material purity above 97%



Percentage of recycled material collection (by weight)



Annual variation in material collection



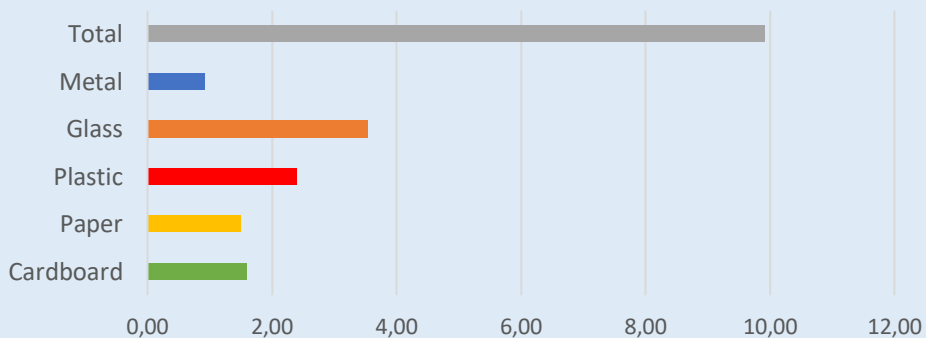
Results of the project for each Local Community

Local community of Iraklia

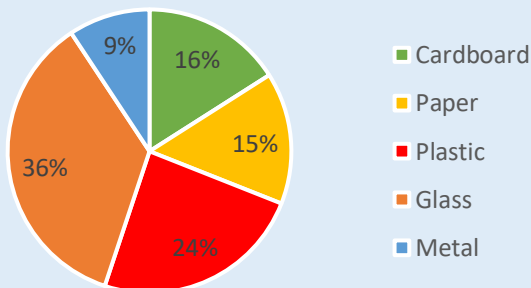


- ✓ Collection of more than 9 tons of recyclable materials
- ✓ Recovery rate above 97%
- ✓ Material purity above 98%

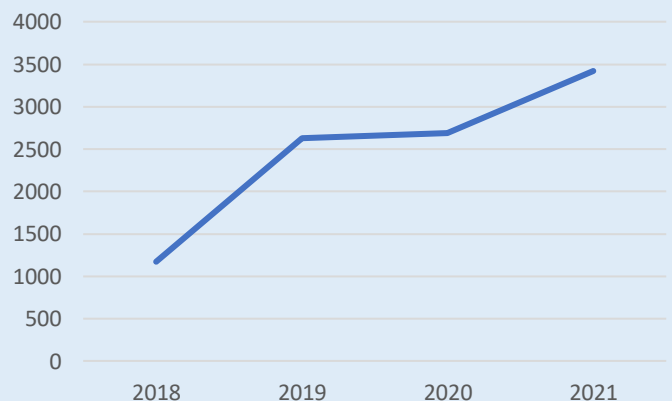
Recyclable materials collected (2018-2021)



Percentage of recycled material collection (by weight)



Annual variation in material collection

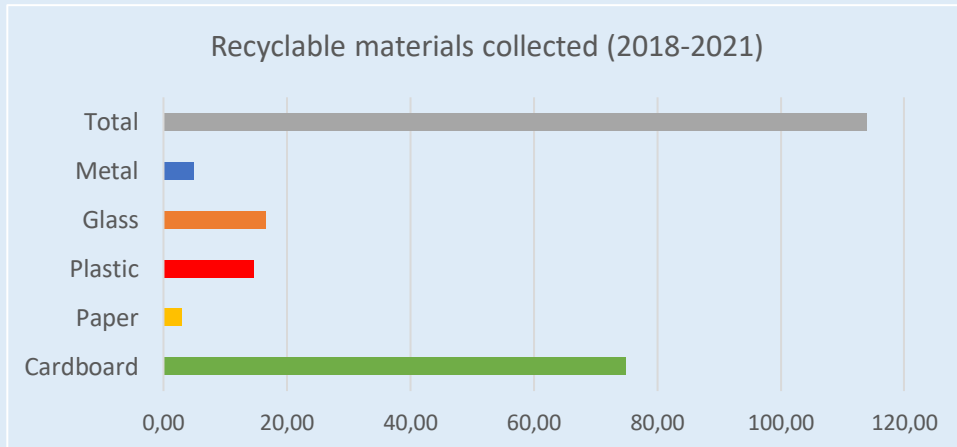


Results of the project for each Local Community

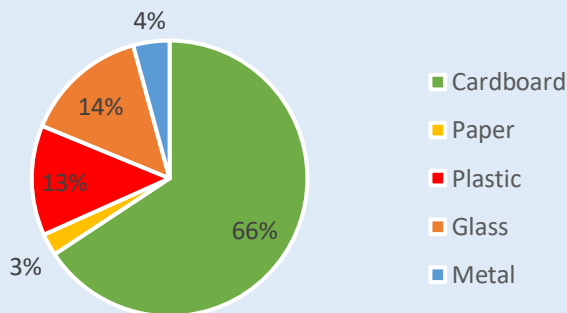
Local community of Koufonisia



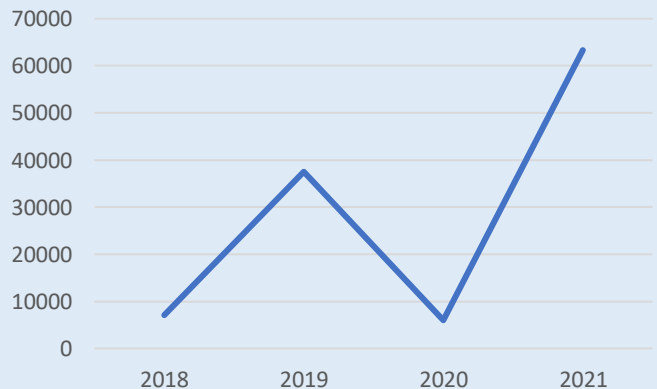
- ✓ Collection of more than 113 tons of recyclable materials
- ✓ Recovery rate above 97%
- ✓ Material purity above 96%



Percentage of recycled material collection (by weight)



Annual variation in material collection



For further information on the project please visit the website:
<http://pavethewayste.eu/el/>
or contact **Mr. Nikolaos (Naxos Municipality)** at 2285360137,
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or **Dr. Dimitris Malamis (NTUA)** at 2107723085,
dmalamis@chemeng.ntua.gr .

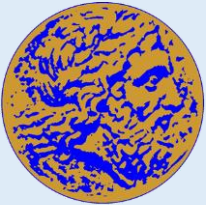
Project Coordinator



Naxos
Municipality of Naxos and Small Cyclades

**Municipality of Naxos &
Small Cyclades**

Project Beneficiaries



**Municipality of
Ancient Olympia**

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