



"Recycling at Home - Development and demonstration of an ecological, innovative system for in house waste recycling".








Project's Presentation

The project "Recycling at Home" LIFE11 ENV/GR/000950 (<http://www.recyclingathome.eu>) is an ambitious and innovative initiative supported by the European Programme "LIFE+" which will be implemented in the Municipalities of Amaroussion and Mandra-Eidyllia.

During the project, a pioneer recycling unit for the compression of paper, plastic and metals will be designed, constructed, optimized and used for approximately 8 months. It is worth mentioning that the in - house recycler will have the size of a small fridge and be of low energy consumption.

The participation in the project will be Free Of Charge!!!

By using the in-house recycler, will be achieved:

-  Recovery of useful materials found in our garbage.
-  Better source separation at households.
-  Increase of recycling rate per house.
-  Decrease of the waste management cost in Municipalities.
-  Volume minimization of waste disposed at landfills.

Paper

Metals

Plastic



In this issue

Presentation of Recycling@Home	
Project.....	1
Raising awareness events.....	3
Project progress.....	4
Upcoming actions.....	4
Contact Information-Internet.....	5





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The problem which we ought to conform is twofold




The project's challenges which have to be corresponded are:

-  Limited recovery of recyclable household materials.
-  Economic and environmental impacts of waste disposal in saturated landfills.

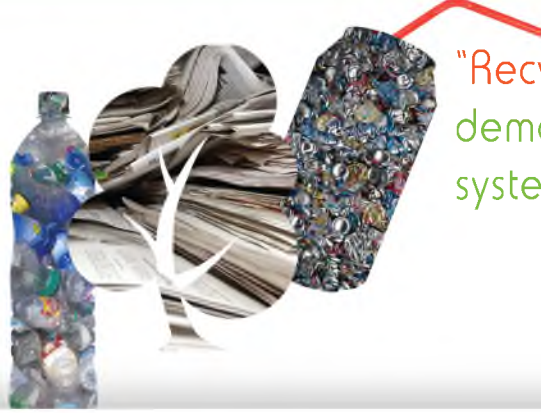
GOALS:

-  Design and construction of an in-house recycling system.
-  Promotion of sustainable waste management in Municipalities.
-  Conservation of natural resources by promoting better practices for re-use and recycling.
-  Recycling of useful materials found in our garbage, which can be reintroduced to the market.
-  Environmental awareness and enhancement of citizens' responsibility.

CHALLENGES:

-  Increase of in-house recycling in the participating Municipalities.
-  Enhancement of environmental awareness by changing the daily routine of citizens.
-  Efficient waste management by local authorities.





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Raising awareness events

Launching event:

Took place at the City Hall of the Municipality of Amaroussion on October 24, 2012 with all partners present.



First informative campaign:

Was organized at the City Hall of Amaroussion on November 28, 2012. Welcome remarks delivered by the Mayor Mr. G.Patoulis to attendees. Among the speakers were Mr. G. Protopappas (Ministry for the Environment, Energy & Climate Change – National Contact Point for LIFE+ Programme) and Mrs. M.Loizidou, Professor of N.T.U.A.



Second informative campaign:

The meeting was held at the City Hall of Mandra

- Eidyllia on January 23, 2013. The welcome speech was given by the Mayor Mr. G.Drikos, whilst the representatives of the Municipality of Amaroussion and N.T.U.A informed the attendees about the project.



Site visit to Copenhagen:

Took place on February 21st and 22nd, so as the partners to be informed regarding the best management practices of municipal solid waste, already implementing in Denmark.



European Environment Agency in Copenhagen



Technical and Environmental Administration, City of Copenhagen



Waste management facilities in Denmark





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Project progress

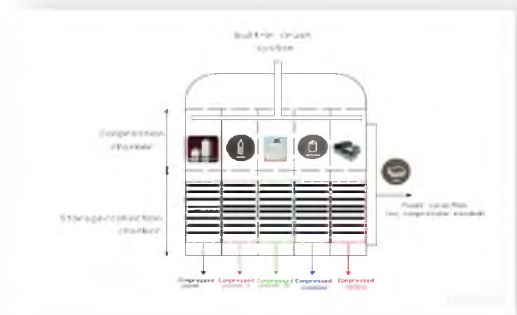
Successfully completed actions from the launching of the project (September 2012):

- Recording of the existing situation regarding the waste management schemes in the Municipalities of Amaroussion and Mandra-Eidyllia.
- Collection and processing of questionnaires which were distributed at the informative campaigns of the Municipalities of Amaroussion and Mandra-Eidyllia
- Analysis of socio-demographic characteristics of household members regarding waste production and
- Recording of households which willingly declared to participate in the Recycling@Home project.
- Review of the existing recycling schemes in the member-states of the European Union and worldwide.
- Overview of the existing legislation and technical reports on the End-of-Waste criteria.



Upcoming actions

- Evaluation of the environmental and socio-economic impacts of the existing waste management schemes in the Municipalities of Amaroussion and Mandra-Eidyllia.
- Design and construction of the innovative prototype in-house recycling system.
- Selection and installation of the recycling system in 100 households in both Municipalities Amaroussion and Mandras-Eidyllias.
- Operation of the pilot home recycling system.
- Demonstration and implementation of the prototype home recycling unit.
- Evaluation of environmental and socio-economic impacts of the Recycling@Home project, based on the 8-month demonstration period at the 100 households.
- Educational events at local schools of both Municipalities





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Contact Information-Internet



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For additional information about the project Recycling@Home, visit:

<http://www.recyclingathome.eu>



Municipality of Amaroussion

**Municipal Development
Company of Amaroussion**



NTUA

National Technical University of Athens



**Municipality of
Mandra - Eidyllia**

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