

Recycling@Home

LIFE 11 ENV/GR/000950

Development and demonstration of an ecological, innovative system for in house waste recycling



Over the last few decades the generation of Municipal Solid Waste has increased, exerting pressure on urban environment. Waste disposal deteriorates the greenhouse effect, as well as soil and groundwater quality.

The Recycling@Home project

The project Recycling@Home has been approved by the LIFE+ financial instrument for the environment, and is co-funded by the European Community.

Goals

The overall objective of the project is to promote the sustainable management of household waste, by fostering recycling and reuse at home.

Expected results

- ✓ Reduction of waste quantity disposed in landfills
- ✓ Waste volume minimization
- ✓ Resource efficiency
- ✓ High quality secondary raw materials
- ✓ Materials reintroduced in the market
- ✓ Reduction of the cost for Municipal Waste Management
- ✓ Environmental awareness
- ✓ Protection of the environment & human health

Phases of the project

In context with the project, an innovative and prototype system for the separate collection and volume minimization of recyclable household waste (namely paper, plastic, metal) was designed. This system will be installed in households in the Municipality of Amaroussion and Mandra-Eidyllia.

The compressed materials (paper, plastic, metals) of high quality will be collected from the households and transported to industrial units that use recycled materials as feedstock.

