

Newsletter 1

“Utilising Pay As You Throw Systems and Autonomous Composting Units for Biowastes Management in Touristic Areas (BIOWASTE)”
a project co-funded by the European Union and National Funds of the participating countries

The project

BIOWASTE project is a solid wastes source separation scheme, aiming mostly in the hospitality industry, as well as, small and decentralized communities, which organic wastes are in its core, with their onsite treatment to play an important and key role. It is implemented in the framework of **Interreg Balkan-Mediterranean** Programme.

Project Partners are:

Lead Partner



Municipality of Katerini,
GREECE

Partners



Municipality of Probistip,
F.Y.R.O.M.



Municipality of Yermasoyia,
CYPRUS



Technological Educational
Institute of Crete -
Educational and Research
Committee
GREECE



University "Goce Delcev"
F.Y.R.O.M.

www.biowaste-balkanmed.eu

The project started in **September 2017** and has duration of **24 months**.

Total Eligible Budget: 1.338.255,00 €
EU Contribution (85%): 1.137.516,75 €
National Contribution (15%): 200.738,25 €

Aims and Objectives

BIOWASTE is a project that promotes the transfer and application test of innovative technologies (**PAYT** and **ACUs**), aiming to enhance managing efficiency in solid wastes related issues, such as source separation schemes and treating systems emphasizing in organic wastes.

The main **objectives** of the **BIOWASTE** are:

a) *Implementation of a detailed data recording and analysis of the involved areas (in Greece, F.Y.R.O.M. and Cyprus)*

Project's Map



b) *Design and implementation of a PAYT system for each area, including the necessary upgrade of the operational ability of the waste management authorities.*

c) *Definition of the volumes and characteristics of the ACUs, which each authority will introduce followed by the acquisition and installation of these ACUs.*

d) *Operation of all the above mentions in a full scale mode, allowing the collection of a range of information, regarding efficiency, cost, carbon dioxide emission etc. In this way a complete environmental and economic evaluation of both PAYT, ACUs and their combination will be possible.*

e) *Development of a complete management system for the involved areas / municipalities, based in the findings and the acquired through the BIOWASTE project infrastructure.*

Tailored messages

- ✓ To align municipalities with EU policy on waste management and specifically in the need for source separation schemes and separate collection and management of organic wastes.
- ✓ To help municipalities to become more resources efficient.
- ✓ To reduce overall carbon foot print of the wastes management.

Project's Terminology

The Pay-As-You-Through (PAYT) system uses weighing equipment in the wastes collection process, with recognition chips. It allows direct correlation of each wastes producer with the amounts that produces, irrelevant if these are recyclable (glass, paper, plastic, metals) or mixed wastes, and through this process the respective charging is allowed.

An Automated Composting Unit (**ACU**) is used for the organic wastes. These are collected separately and are introduced in ACUs and composted on site, reducing the collection and transportation cost, the central unit treatment cost (if such a unit exists) and allowing the production of a high quality usable product.