



ISWM-TINOS:

Development and implementation of a demonstration system on Integrated Solid Waste Management for Tinos in line with the Waste Framework Directive

4th Newsletter

February 2015

Source separation of dry recyclables at Pyrgos & Panormos communities: progress

The analysis of the results for **the first 12 months** of operation of the integrated municipal solid waste management system shows the significant contribution of the inhabitants of selected regions of Pyrgos & Panormos, as well as of the neighboring villages that were added shortly after the introduction of the system in June 2013:

- ✓ PLATEIA
- ✓ VENARDADOS
- ✓ MAMADOΣ and
- ✓ MARLAS

+ Pyrgos gas station as a source of packaging paper / cardboard.



14 737 kg
Paper/Paperboard



3 298 kg
Glass



9 339 kg
Plastic & Metal

For the first 12 months of implementation of the integrated MSW management system, the following quantities of dry recyclables have been separated at source in order to be recycled:

Source separation of biowaste at Pyrgos & Panormos: progress

The **source separation** of biowaste started in July 2014 with the installation of the pilot composting unit at the WWTP of Panormos in Tinos.

The **operation** of the prototype unit is monitored by the project working group, while the collected quantities of biowaste are systematically recorded by the Cleaning Service of Tinos Municipality. Green waste are mixed with food waste in order to enhance the properties of the substrate and thus the composting process.

The characteristics of the pre sorted biowaste are determined by **field trials** per season, and the **physicochemical properties** are studied in both input biowaste and the finished product (compost) in order to determine its quality.

Removing impurities
from collected biowaste



Loading biowaste material into the feeding compartment of the pilot composting unit after mixing with green waste from municipal public spaces



Field study for the composition analysis of the pre sorted biowaste



1



2



3



4

1. Pre sorted biowaste sample collection from the participating households
2. Impurities removal
3. Division into specific biowaste categories
4. Weighing and recording of the quantities of the different categories of biowaste

Organisation of the 3rd International Conference on Sustainable Solid Waste Management, 2 – 4 July 2015, Tinos island, Greece

The Conference aims to address the significant issue of sustainable solid waste management through the promotion of safe practices & effective technologies. The Conference focuses mainly on modern solid waste technologies. It aims to stimulate the interest of scientists and citizens and inform them about the latest developments in the field of municipal solid waste management.

Separation at source, Biological Treatment, the treatment at central facilities, waste prevention & separation at source with emphasis on biowaste, **integrated waste management in islands** and generally **isolated areas** also constitute priority subjects. Special attention will be drawn on the challenges of the Waste Framework Directive & the products produced of solid waste, such as: biofuels, compost, materials, etc.

The conference will provide an opportunity to bring together scientists and practitioners from government agencies, municipalities, private foundations, research and educational institutions, and will be a forum for the exchange of the latest ideas, techniques and experiences in all areas of management waste.

Registration at: www.tinos2015.uest.gr

Partners:



Municipality of Tinos (Project Coordinator)



Università degli studi di Verona



National Technical University of Athens



Centre for Research and Technology Hellas /
Chemical Process and Energy Resources Institute