

Development and Monitoring an integrated system of separate biowaste stream at 38 Municipalities

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1. Regional Association of Solid Waste Management Agencies of Central Macedonia

Keywords: biowaste, collection, management, monitoring, Local Authorities

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The national biowaste policy, adapted to the EU framework, focuses on the development of separate collection streams and construction of composting or anaerobic digestion facilities. By 31 December 2022, biowaste must either be sorted and recycled at source or collected separately and not mixed with other types of waste, in order to be recycled (including composting and anaerobic digestion). Municipalities are the key actors to deliver biowaste policy therefore they should intensify their efforts to effectively organize and implement biowaste management activities.

Regional Association of Solid Waste Management Agencies of Central Macedonia (FoDSA CM), based on the national institutional framework, is responsible for the reduction, the treatment, the recovery and the final disposal of municipal waste, through environmental projects in line with the waste hierarchy. Members of FoDSA CM are the 38 Municipalities located in the 7 Regional Units of Central Macedonia, the second largest populated region of Greece, with a population of around 2,000,000 citizens. FoDSA CM also has an advisory role in his region of authority regarding the current institutional status of waste management but also of the contemporary financial tools related to infrastructure, supplies and equipment that contribute to the integrated solid waste management, in line with the circular economy principles.

In this context FoDSA CM secured, under the NSRF 2014-2020, the funding of the required equipment (bins, collection vehicles and pruning shredders), together with the related technical support and public information and awareness material, on behalf of his Members. Furthermore, FoDSA CM is monitoring and supporting the whole procedure of organizing and running a separate biowaste stream in Central Macedonia.

This case study provides an in-depth and multi-faceted methodology of a topic closely related to the protection of the environment and the public health, in its real-life setting. The methodology analyzes the following aspects:

- Funding opportunities
- Provision of the appropriate equipment
- Provision of a Road Map for the development of the biowaste collection network at Municipal Level
- Provision of public information and awareness material
- Implementation of information workshops at relevant stakeholders
- Biowaste treatment at FoDSA's facilities
- Monitoring and tracing biowaste flows at Municipal Level
- The pricing policy variable and its effect on biowaste stream

The scope is to highlight key parameters that help organize similar or other separate waste streams, illuminate blurred issues and provide a means of understanding the subject with greater precision.

References

1. Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ), Guide for Greek municipalities with steps to be taken to introduce separate collection of bio-waste, December 2020
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