

Deliverable A2.D20

Study on the integrated management of hazardous household waste (HHW) in the Municipality of Athens

Executive Summary

Beneficiaries Working Group:

Terra Nova, Ministry of Environment and Energy, Municipality of Athens

July 2022



The Deliverable A2.D20 presents the works implemented in the context of Action A.2.4 (objective of which was the design of integrated systems for the separate collection and management of Hazardous Household Waste (HHW) in the Municipality of Athens and the Western Macedonia Region) focusing at the Municipality of Athens.

The works performed are divided into 2 Parts:

- Part A': Preparation stage
- Part B': Application of the developed methodology.

During Part A the following were implemented:

- ✓ The legislative requirements were identified
- ✓ The Catalogue of HHW (with the corresponding EWC codes) was developed
- ✓ The Stakeholders related to the production and management of HHW at national, regional and local level, were identified
- ✓ Data regarding the production and management of HHW in Greece, as well as in other EU member states, were collected and analysed
- ✓ The methodological approach for researching, studying and developing the proposed Actions for the separate collection and management of HHW, was designed.

During Part B the following works were implemented for the pilot implementation in the Municipality of Athens:

- ✓ Collection and analysis of data regarding the characteristics of the pilot area (population, financial activities, areas' structure, etc.)
- ✓ Collection and analysis of Municipal Solid Waste (MSW) data
- ✓ Analysis of the currently applied waste management practices
- ✓ Public Opinion Research
- ✓ Quality Composition Study of the MSW regarding their content of HHW
- ✓ Communication with the relevant Stakeholders.



Specifically, valuable results were extracted by the Public Opinion Research:

- ☑ There is a relatively descent level of knowledge regarding HHW, which though must be substantially increased combined with training for the separate collection of HHW
- ☑ There is an increased willingness of the citizens to contribute to the environmentally safe management of HHW.

The HHW Quality Composition Study revealed that the content of HHW in the totally produced MSW of the Municipality of Athens is 0.823% w/w (mean value for the 7 Municipal Departments of the Municipality), which is 17.70% lower than the mean value (1% w/w) of the EU Member States.

Based on the overall data and results derived by the abovementioned works, 10 individual Actions were proposed in the context of an integrated approach which will include the separate collection and safe final management of HHW in the Municipality of Athens. Each Action focuses at specific categories of HHW. All Actions aim primarily at the separate collection of the produced HHW and of course at their safe final management.

Finally, the works that are required to be implemented during the next Phase of the project (Action C.3) in order to:

- ☑ set the proposed Actions operational
 - ☑ achieve a high level of public participation
 - ☑ maximize the performance of these Actions,
- were specified for each one of the proposed HHW Actions.