

CALL FOR PROPOSALS

Call for proposals for developing an analysis of costs and yields of an MRBT facility

Deadline: December 15, 2022

Zero Waste Europe wishes to carry out new research to show the benefits and the costs of doing mixed waste sorting and biological treatment.

Background

The circular economy vision is about preserving materials and resources in the system, minimising the so-called leakages, such as landfilling and waste incineration. The Circular Economy Roadmap and the EU Landfill Directive also require proper consideration for the management of residual waste.

The current over-reliance on incineration has contributed to a lock-in effect in waste management systems which prevents proper recycling and makes climate change worse. This practice also undermines the efforts of the European Union, which seeks to decarbonise the economies of Member States.

ZWE proposes a Material Recovery and Biological Treatment (MRBT) system that combines biological treatment (to stabilise fermentable materials still included in residual waste) with sorting equipment (to recover materials which were not targeted or captured by separate collection). This ensures that the negative impacts of residuals are reduced when landfilled, and at the same time keeps the flexibility required to continuously improve the performance of waste management systems.

To show the benefits of MRBT there is a need to develop an analysis on the costs and yields of doing MRBT especially in areas where there is a consideration for an incinerator with focus on the CEE region.

Objectives of the study

The objectives of this study are to develop an analysis on the costs and yield of doing MRBT. It should cover:

- a short intro on what's MRBT,
- a short section on what it does, ie MWS/stabilisation, results (yields) in case of 100k and 200k capacity;
- costs : opex and capex (a 'high' and a 'low' estimate) assuming that the facility will be in CEE region.



Deliverables

- A written public report of 10-20 pages, targeted at national, local and regional decision-makers.

Call for proposal response

Your response should include:

- Details of the study you will carry out and methods you will use;
- Expected timeline for the work;
- A breakdown of the costs of undertaking the study;
- A description of the team that will manage and deliver the work, including the skills and experience of the team members, as demonstrated by the CVs of those who would undertake the work.

The offer document should be limited to no more than 3 sides of A4 (at a minimum of 10 point font) excluding the CVs of team members.

Timetable

The deadline for the receipt of tenders is 15 December 2022

The final report should be ready for publication by 1 March 2023.

Budget

7,000 euros (VAT included if applicable)