



ENYMSW

From municipal solid waste to energy: thermal treatment in CBC regions

PROJECT TITLE	EnyMSW – Energy Recovery from Municipal Solid Waste by Thermal Conversion Technologies in Cross-border Region
IMPLEMENTATION PERIOD	01.11.2019 – 31.12.2020
ORGANISATIONS INVOLVED	North University Centre of Baia Mare (RO); Ivano-Frankivsk Technical University of Oil and Gas (UA); Technical University of Košice (SK)
PROGRAMME	Hungary-Slovakia-Romania-Ukraine ENI CBC 2014-2020
TOTAL BUDGET	289.389,64 €



The EnyMSW project gathers experts from three cross-border regions to study the feasibility of the thermal treatment of municipal solid waste to obtain energy for the citizens. The method implies exposing waste to high temperatures and converting the heat into water steam that generates electricity through a turbine. The project partners have assessed the energy potential of this method for each region and have evaluated the mass reduction rate by incineration. Thanks to the experimental analysis performed, new characteristics and parameters of the treatment have been proved. To carry out the experiments, the EnyMSW Laboratory was renovated and equipped in Baia Mare (RO), and a software application was developed to manage the data concerning the thermal treatment of solid waste. The project partners have proved that the implementation of this method reduces the volume of waste landfills by 95% and results in over 80% increased energy efficiency.



WASTE TREATMENT AND RECYCLING

ENVIRONMENT



Project co-funded by the European Union

