

# Large Research Infrastructure

## ENREGAT - Energy Waste Recovery and Gas Treatment in 2024



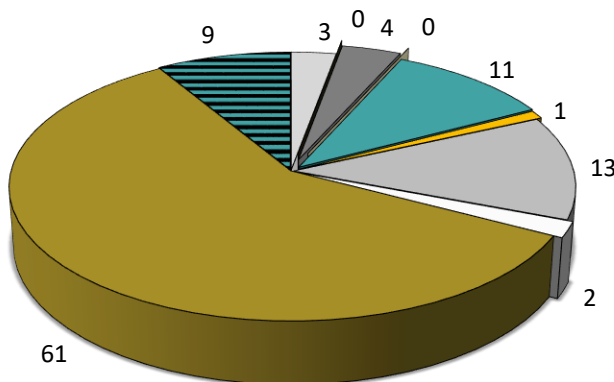
**E**NREGAT, large research infrastructure, is an open infrastructure at the Institute of Environmental Technology focused on comprehensive research in the area of material and energy recovery of waste by means of combustion, pyrolysis and anaerobic processes, as well as in the field of catalytic, sorption and photocatalytic cleaning of the gases produced by these technologies. In addition, ENREGAT also allows research in related areas and provides complex analytical services.

Thanks to the targeted support by the Ministry of Education, Youth and Sports, the ENREGAT infrastructure (identification code: **LM2023056**) has been offering free accesses to the facilities and technological units for researchers and students both from the Czech Republic and internationally since 2019. Its uniqueness lies in the ability to perform fundamental and applied research dedicated to various waste-to-energy transformations from the laboratory up to pilot plant scale, covering a diverse spectrum of waste materials.



### Use of infrastructure within open access

LRI ENREGAT was provided to **104** users in the open access mode (**81** users from VSB-Technical University of Ostrava).



- Czech High School Students
- Czech Bachelor Students
- Czech Master Students
- Czech PhD Students
- Czech Research Employes
- Foreign High School Students
- Foreign Bachelor Students
- Foreign Master Students
- Foreign PhD Students
- Foreign Research Employes

### Cooperation with industry/business community

The ENREGAT infrastructure was used for **64** projects of contractual and **15** projects of collaborative research.

### Scientific output

ENREGAT operators and users published **25** excellent articles in journals with Q1 and Q2 ranking (WoS). **15** students finished their theses using ENREGAT. **1** professional conference and **1** seminar were organized to share knowledge and experience.