

# ENERGY FROM BIO-WASTE

## Summary

This article focuses on the biogas as an alternative energy source considered to be safe and environmental friendly. The largest producers of biogas electricity per 1000 inhabitants in the EU are countries such as: Germany, followed by the United Kingdom, Luxembourg, Austria, Denmark and Sweden; Poland is ranked on the 22nd place and produces 6 times less than the European average.

Production of land fill, agricultural and sewage biogas is shortly described. Some agricultural biogas plant installations in Poland do exist, but their potential is not fully exploited. According to the document "Polish Energy Policy until 2030" there are still places for new biogas plants that should be installed.

It is noticeable that the popularization of green energy, and biogas in particular, is just getting started, and Polish operations are slowed down in comparison to the other European Union countries such as: Germany, Denmark, Austria and Sweden. The article lists some main stimuli of this type bio-energy development: economic support for investors, access to raw materials and modern technologies. Comparative data on the development of green energy from biogas in Pakistan, Turkey, Lithuania and Poland are also presented. Particular attention is given to the social concerns against construction of biogas plants in Poland, and to the need for better environmental education.