

Assuming the regional use of biomass, it may be an important source for energy, taking into account the need to reduce greenhouse gas emissions. Past observations of the development of regional biomass markets in Poland generally conclude that the existing material potential is largely wasted. Therefore an attempt is made to identify the main barriers to the prosperity of these markets. In this study, the following research question will be addressed: *What are the barriers hindering the development of regional agricultural biomass markets?*

The aim of the study is to identify barriers and opportunities for the development of regional agricultural biomass markets in the Lodz province. This paper attempts to confirm the following hypothesis: The barriers hampering the development of the agricultural biomass market in the Lodz province arise from the institutional and organizational conditions.

The prospects for the development of regional agricultural biomass market were determined based on questionnaire interview conducted on a representative sample of farms from the province of Lodz. The logit model was used for the analysis of regional development of agricultural biomass market in the Lodz province.

Questionnaire interviews conducted among the owners of farms in the Lodz province made it possible to identify these barriers on the supply side of agricultural biomass market:

- lack of agricultural biomass commodity surplus because farms use it for their own needs;
- inability to sell biomass at a profit;
- no guarantee of regular collection of raw material;
- lack of interest in biomass on part of the demand side of the market;
- lack of organized transport;
- lack of knowledge and access to information about innovative possibilities of energy use of biomass.