

ADVANTAGES OF BIOGAS POWER PLANTS IN ENERGY TRANSITION OF PANNONIAN COUNTRIES (1) - Benefits for the local community

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The benefits of biogas power plants (BgP) are multiple for both the local community and the national economy. From this title, this analysis is conducted on two levels: local and national - indicating advantages over other renewable sources. This will be illustrated by the example of the Republic of Croatia

Fig. 1. Benefits to the local community from the construction of biogas power plants

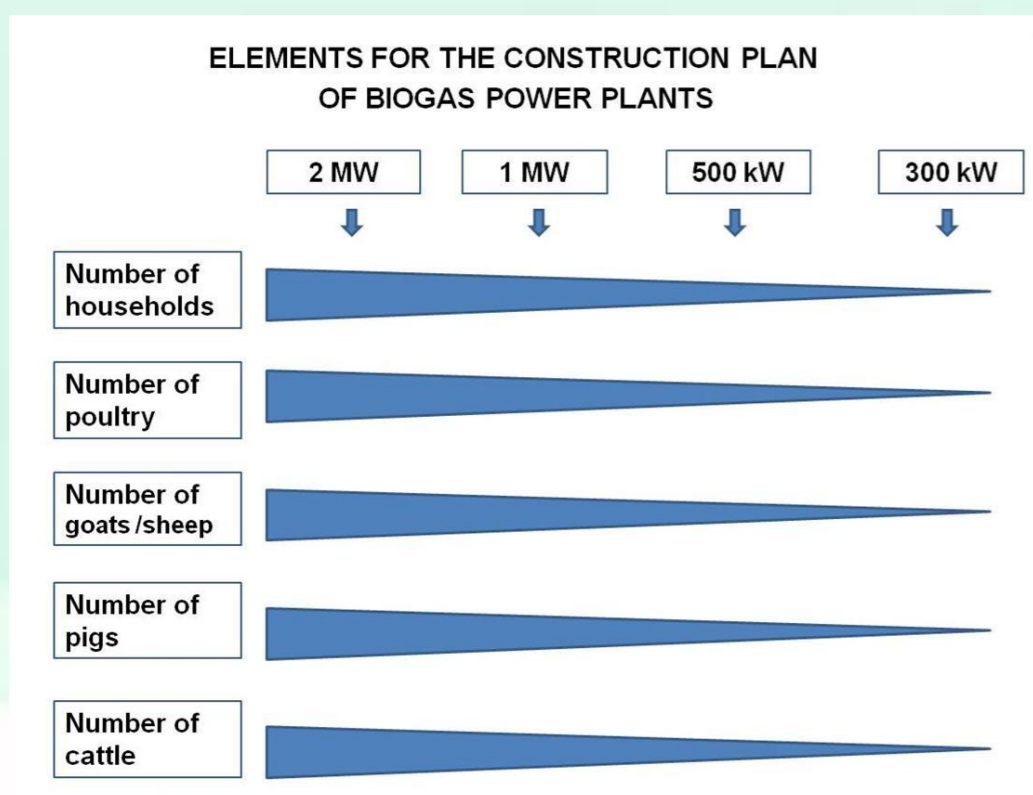
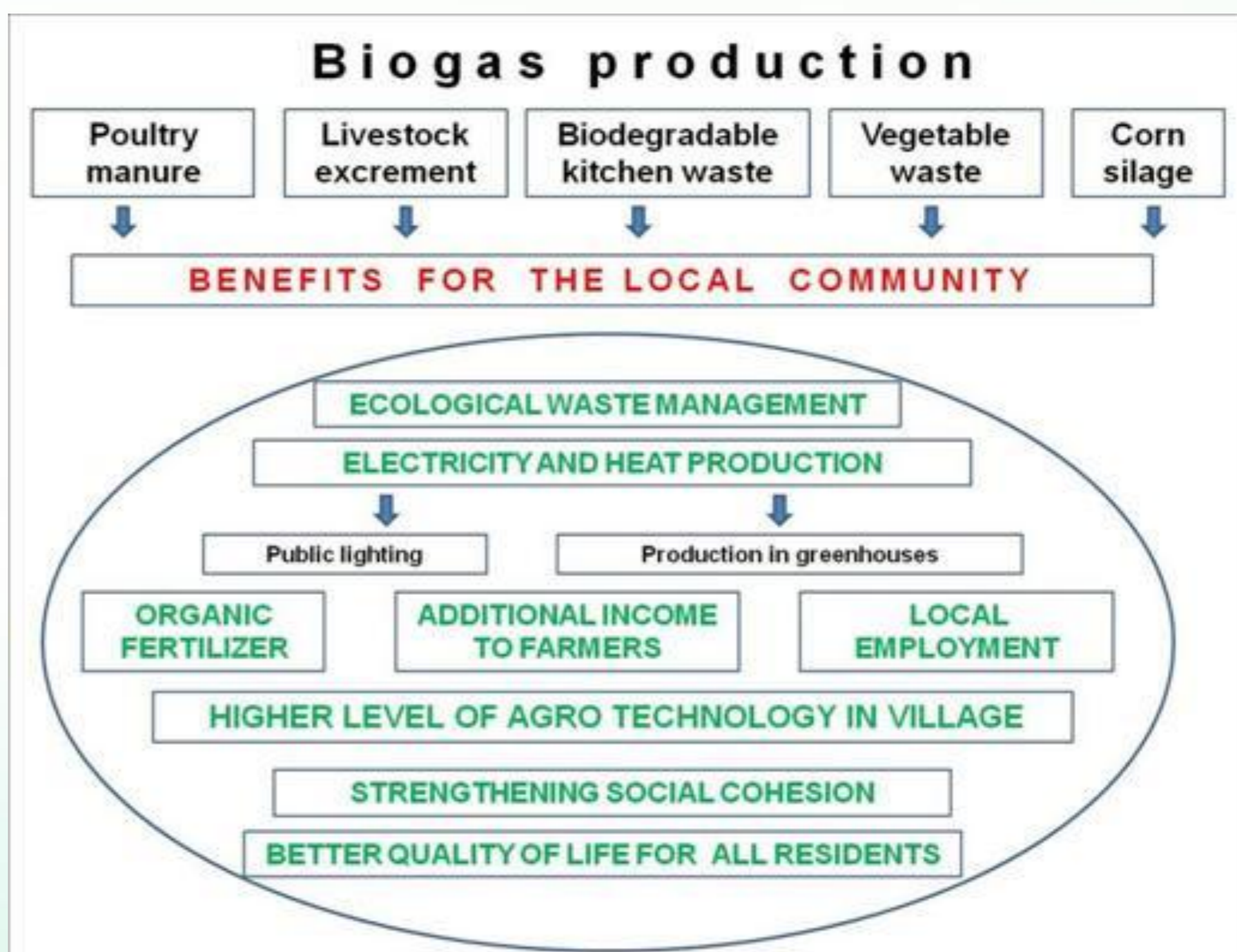


Fig. 2. Elements for planning the construction of biogas power plants

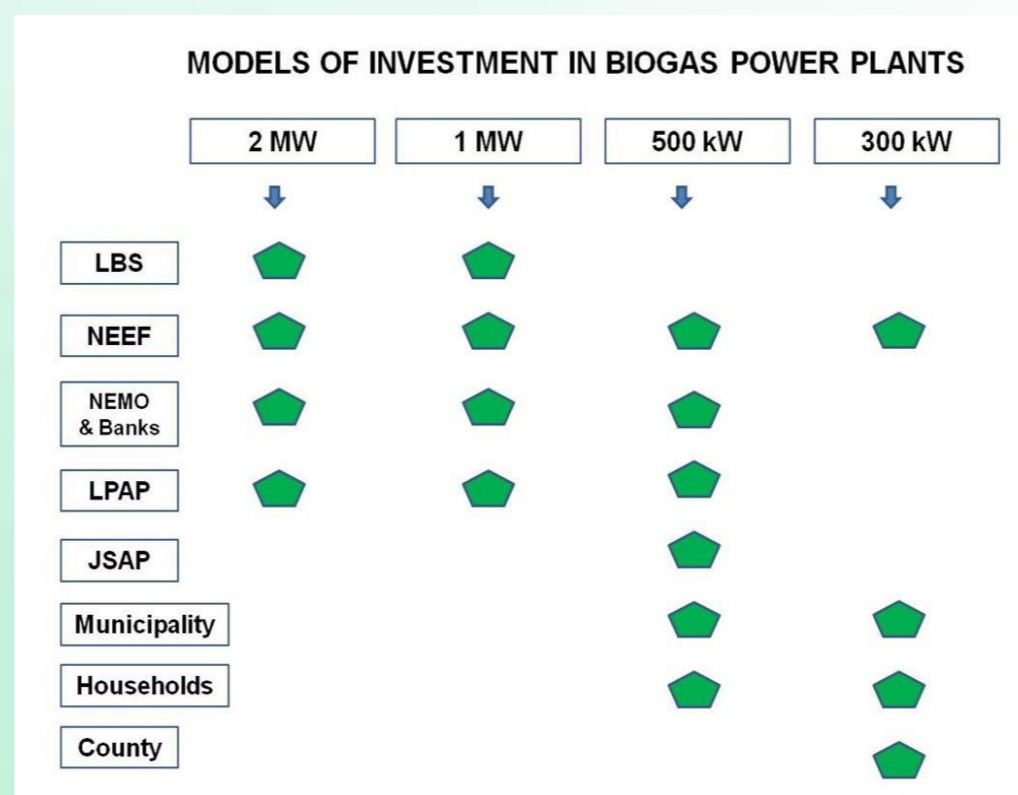


Fig. 3. Investment models in biogas power plants



Fig. 4. Locations of biogas power plants in the area of Slavonia and Baranja region (as of 2019)

CONCLUSION

The construction of biogas power plants in rural areas of the Pannonian countries contributes to a number of local development goals; •Raising the standard of living and quality of life in the village, •Possibility of additional earnings for local farmers, •Ecological disposal of livestock and rural waste, •Raising the organizational and technological level of business in the village, •Youth employment and • Raising social cohesion in the village.

In this paper, models for decision-making and construction of BgP are also proposed. Examples from rural areas of Austria, Croatia and Hungary prove the importance and benefits of building biogas plants.