



EFFICIENT AND ENVIRONMENTALLY-FRIENDLY USE OF ANIMAL WASTE IN TURKEY

As of: October 2021

The project established the environmentally-friendly use of agricultural waste in Turkey and reduced greenhouse gas emissions and environmental pollution in two pilot regions. In these two regions, the project partners developed concepts on the further use of agricultural waste materials in the form of biogas and assisted in their implementation. To this end, it supported the construction and operation of two technically optimised biogas plants. In addition, decision-makers received advice on adapting national frameworks. The project also supported the creation of a technology and information centre for biogas that will serve as a centralised knowledge hub on the national level, thereby supporting the partners in using their own expertise and resources to make further progress in this area.

State of implementation/results

- Project completed
- Based on a country-wide analysis of potential, two appropriate locations have been identified as well as investors to fund the construction of the pilot biogas plants.
- Steering committee on biogas established along with a subordinate inter-ministerial working group on biogas
- Advisory support provided to the Turkish government on the legal and political conditions for further use of agricultural waste materials
- Initial and in-service training on biogas offered to decision-makers and knowledge holders on the national level
- The study on biogas potential in Turkey is conducted. It demonstrates that Turkey has the potential to build up to 4,800 biogas plants with an average capacity of 250 kW each. These could supply up to six per cent of the country's energy output.
- Advanced research at the pilot site in Gönen was carried out on implementing a holistic biogas

PROJECT DATA

Country/Countries:

Türkei

Implementing organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Political partner(s):

- Ministry of Environment and Forestry (MoEF) - Turkey

Implementing partner(s):

- Ministry of Agriculture and Rural Affairs (MARA) - Turkey
- Ministry of Energy and Natural Resources - Turkey

BMU grant:

€ 2,508,553.83

Duration:

10/2010 till 02/2015

Website(s):

<http://www.biyogaz.web.tr/tr>

Fact sheet:

[Promotion of Bioenergy and Biogas \(PDF, 531 KB\)](#)





concept.

- A model for conducting biogas calculations was developed with Ege University in Izmir.
- A steering committee on biogas and a subordinate inter-ministerial working group has been established.
- Advisory support was provided to the Turkish Government on the legal and political conditions for further use of agricultural waste materials to generate energy.
- Initial and in-service training on biogas was conducted for decision-makers and experts on the national level.

