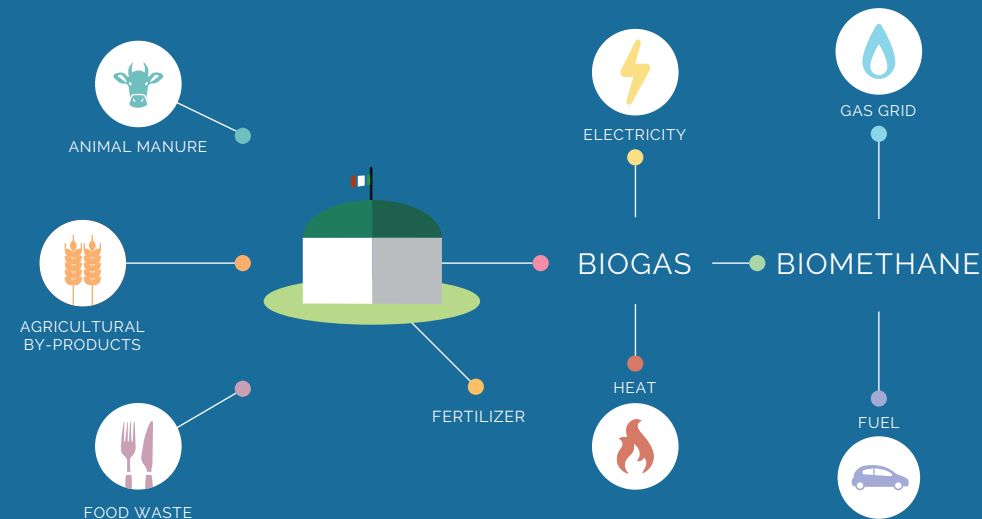


EXPECTED IMPACTS

The project will contribute in:

- Increasing the share of biogas in the final energy consumption
- Developing a better policy at national and regional level and tailored financing schemes to fund plants
- Divulging information and news about the biogas/biomethane production and use
- Involving farmers and other economic subjects in considering biogas as a new source of revenue and increasing their engagement in energy transition



PARTNERSHIP

AzzeroCO₂

Legambiente

Consiglio Nazionale delle Ricerche (CNR)
Institute of Atmospheric Pollution Research
Research Institute on Sustainable Economic Growth

Associazione Chimica Verde Bionet

Consorzio Italiano Biogas e Gassificazione (CIB)

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INCREASING SOCIAL AWARENESS AND
ACCEPTANCE OF BIOGAS AND BIOMETHANE

THE ISAAC PROJECT

Although Italy is the second European biogas producer after Germany, it still has a great potential for biogas production and market expansion, especially in central and southern regions.

According to elaborations of CIB - Consorzio Italiano Biogas e Gassificazione (based on the 2015 annual report of GSE - Gestore dei Servizi Energetici), more than 1550 plants with a total capacity of around 1160 MWel have been installed, but the non-technical barriers, that impede a more widespread diffusion, are still critical.

ISAAC is a project financed by Horizon 2020 Programme, under the call for Competitive Low-Carbon Energy (from 01/2016 to 06/2018), addressing the challenge of fostering the development of the biogas sector in Italy and Europe.

The main aim of ISAAC is to remove non-technical barriers to support biogas/biomethane market penetration in Italy and make plants implementation easier within the national context.

SOCIAL

- Lack of information among citizens, farmers and breeders
- NIMBY Syndrome
- Lack of interaction between different stakeholders
- Reluctance of farmers, especially in Southern Italy, to cooperate in energy plants management

ECONOMIC

- Lack of specific and efficient schemes of financing
- Low profitability of small biogas plants and uncertainty about future incentive schemes

LEGISLATIVE

- Lack of a clear national legislation for grid injection of biomethane and for the use of digestate
- Fragmentation and multiplicity of regulatory framework on authorization and installation procedure

- Participatory processes in two pilot territories (interested in implementing biogas plants)
- Information campaigns in seven Italian regions
- Public meetings with experts for open confrontations

- Use of a calculation tool for residual biomass availability assessment and biogas/biomethane production potential definition
- Use of innovative funding schemes (such as crowdfunding) to create new opportunities
- Socio-economic study on the implementation, impacts and acceptability of biogas/biomethane in local areas

- National law proposal on participation processes related to local energy policies
- Technical round tables for the correct interpretation of the national legislation on themes such as by-products/co-products/waste
- Improvement of the actual Italian regulation on biomethane use
- Training courses of municipal and regional technicians

THE NON-TECHNICAL BARRIERS

THE ISAAC APPROACH TO OVERCOME THEM

