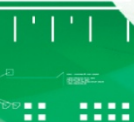




Country Report Austria

Günther Bochmann



Biogas plants



Plant type	Number of plants with electricity generation	Energy production (GWh/year)*
Plants	287	564.52

Average full load hours biogas in 2016		
Classification	Full load hours	Amount of plants
Best third	8,499	69
Middle third	7,753	86
Poor third	3,946	119
All plants	6,287	274

Utilisation type	GWh
Electricity	570
Vehicle fuel	7 *
Flare	13 *

Feed-in tariffs



- 0.1950 EUR/kWh up to 250 kW_e,
0.1693 EUR/kWh from 250 - 500 kW_e
0.1334 EUR/kWh from 500 - 750 kW_e
0.1293 EUR/kWh for higher than 750 kW_e
+ 0.02 EUR/kWh if biogas is upgraded
+ 0.02 EUR/kWh if heat is used efficiently
- It is required that a minimum of 30% manure is used as a substrate to get the feed-in tariff. If organic wastes are used, the feed-in tariff is reduced by 20%.

Register system (implementing RED II) for biomethane



Legislative framework of the European Union

- **Renewable Energy Directive (RED)**, (28/2009/EG)
- **Renewable Energy Directive recast (RED II)**, (2018/2001/EG)

Legislative framework in Austria

- **Renewable Electricity Act (Ökostromgesetz, ÖSG)**
- 3 different registration agencies
 - AGCS Gas Clearing and Settlement AG (Ökostromgesetz)
 - Austrian Environmental Agency (National registry for sustainable fuels)
 - Austrian regulator (E-Control) (RED II)

Research focus



- New/ongoing projects
 - Underground sun conversion - underground bimethanation
 - carbonATE - Bimethanation via an enzymatic and/or microbiological CO₂ sequestration process
 - Joint project with Switzerland
 - Bioflokk - Development and application of organic biofloculants