European biogas industry now and beyond 2020

EBA Workshop: Contribution of biogas towards European renewable energy policy beyond 2020
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European Biogas Association
26 countries – 37 National Organisations
56 Companies – representing >7,000 stakeholders

www.european-biogas.eu
What does EBA stand for?

Biogas and biomethane – the products of efficient and sustainable use of resources

EBA is convinced that **biogas has the potential to contribute at least 1.5% of the EU’s primary energy mix and 5% of the EU’s natural gas consumption** (in energy equivalent terms) by 2020.

EBA is convinced that **by 2030 the overall potential for biogas production from anaerobic digestion** of at least 30 billion m$^3$/year. **Taken together with thermal biomass gasification**, a **estimate for the total production of biomethane is 50 billion m$^3$ per year**. By 2030, the industry could produce renewable energy equivalent to approximately **10% of EU’s current natural gas consumption**, for use for electricity generation, heating/cooling and as a transportation fuel.
Evolution of the Number of Biogas Plants in Europe

- **2009**: 6,227 (Existing plants)
- **2010**: 6,227 (Existing plants), **4,281** (New plants)
- **2011**: 10,508 (Existing plants), **1,889** (New plants)
- **2012**: 12,397 (Existing plants), **1,415** (New plants)
- **2013**: 13,812 (Existing plants), **849** (New plants)
- **2014**: 14,661 (Existing plants), **2,173** (New plants)
- **2015**: 16,834 (Existing plants), **542** (New plants)

**Growth Rates**:
- **2010** to **2011**: +69%
- **2011** to **2012**: +18%
- **2012** to **2013**: +11%
- **2013** to **2014**: +6%
- **2014** to **2015**: +15%
Number of Biogas Plants in 2015

* (data from previous year)
Distribution of the Biomethane Plants in 2015
Biogas & Biomethane related policies on the EU level

**Transport**
- ILUC legislation
- Deployment of alternative fuels infrastructure
- Biomethane Standards (CEN/TC)
- Revision of Clean Vehicles Directive
- Road decarbonisation package – policies beyond 2020

**Power and heating**
- Sustainability recommendations
- Renewable Energy package beyond 2020
- EU strategy for heating and cooling

**Digestate**
- End-of-Waste Criteria for digestate
- Revision of Fertiliser Regulation
- REACH

**Waste policies**
- Revision of Waste Framework And Landfill Directives
- Communication on waste to energy

**Support schemes**
- State Aid Guidelines on Energy and Environment

**Targets**
- 2030 Governance
- National Energy and Climate Plans

+ ETS
+ Emissions in medium combustion plants
+ Revision of the Regulation on security of gas supply
+ ISO 255 standard on biogas definitions
+ many more to come...
New RED: support or not for biogas?

- Rather positive impressions about the Commission proposals for biogas
  - Sustainability policy: Fossil fuel comparator was changed; the smallest biogas plants exempted
  - Targets and measures were introduced for all energy sectors including transport
  - Mass balancing method for biogas codigestion and injection of biomethane in the natural gas grid; GoOs extended beyond electricity
- Overall ambition for renewable energy: at least 30% RES by 2030
- More importance for greening of the gas grid
- Incomplete biogas definitions
- A clearer wording to ensure the enforcement of obligations (transport and heating) for fuel suppliers
- Mass-balancing of biomethane: clearer wording defining “mixture” and “processing or logistical facility, transmission and distribution infrastructure or site”, clearer wording on GoOs
- Priority access and dispatch for biogas
- Remove fossil-fuel based fuels from advanced biofuels blending obligation

...but to be improved by the EP/Council
Thank you!

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