

Perspectives for Biogas within the EU

Future of Biogas Europe 2017
Biogas 2020, Skive, 8 oktober 2017,

Anders Mathiasson
Board Member of the European Biogas Association

EBA - 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

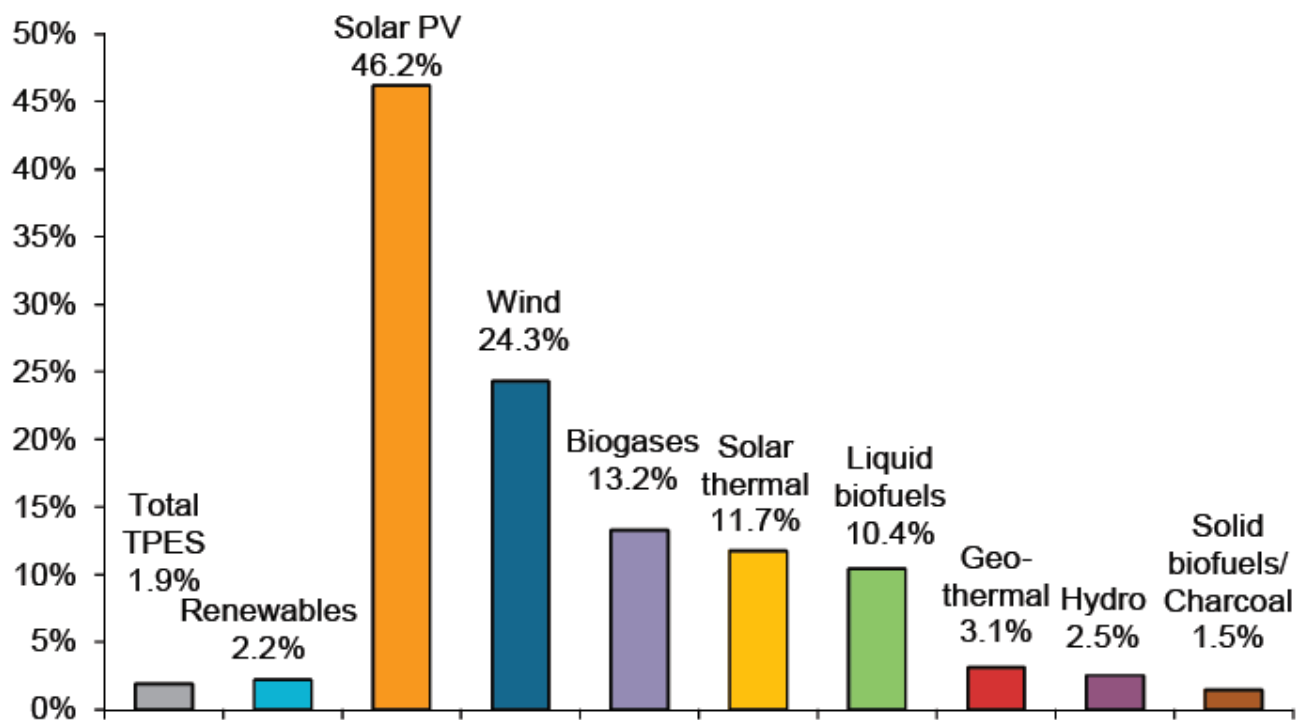
EBA is convinced that **biogas has the potential to contribute at least 1.5% of the EU's primary energy mix and 5% of the EU's natural gas consumption** (in energy equivalent terms) **by 2020**.

EBA is convinced that **by 2030 the overall potential for biogas production from anaerobic digestion** of at least 30 billion m³/year. **Taken together with thermal biomass gasification, a estimate for the total production of biomethane is 50 billion m³ 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.



Biogas on the Rise

Annual growth rates of world renewables supply from 1990 to 2014



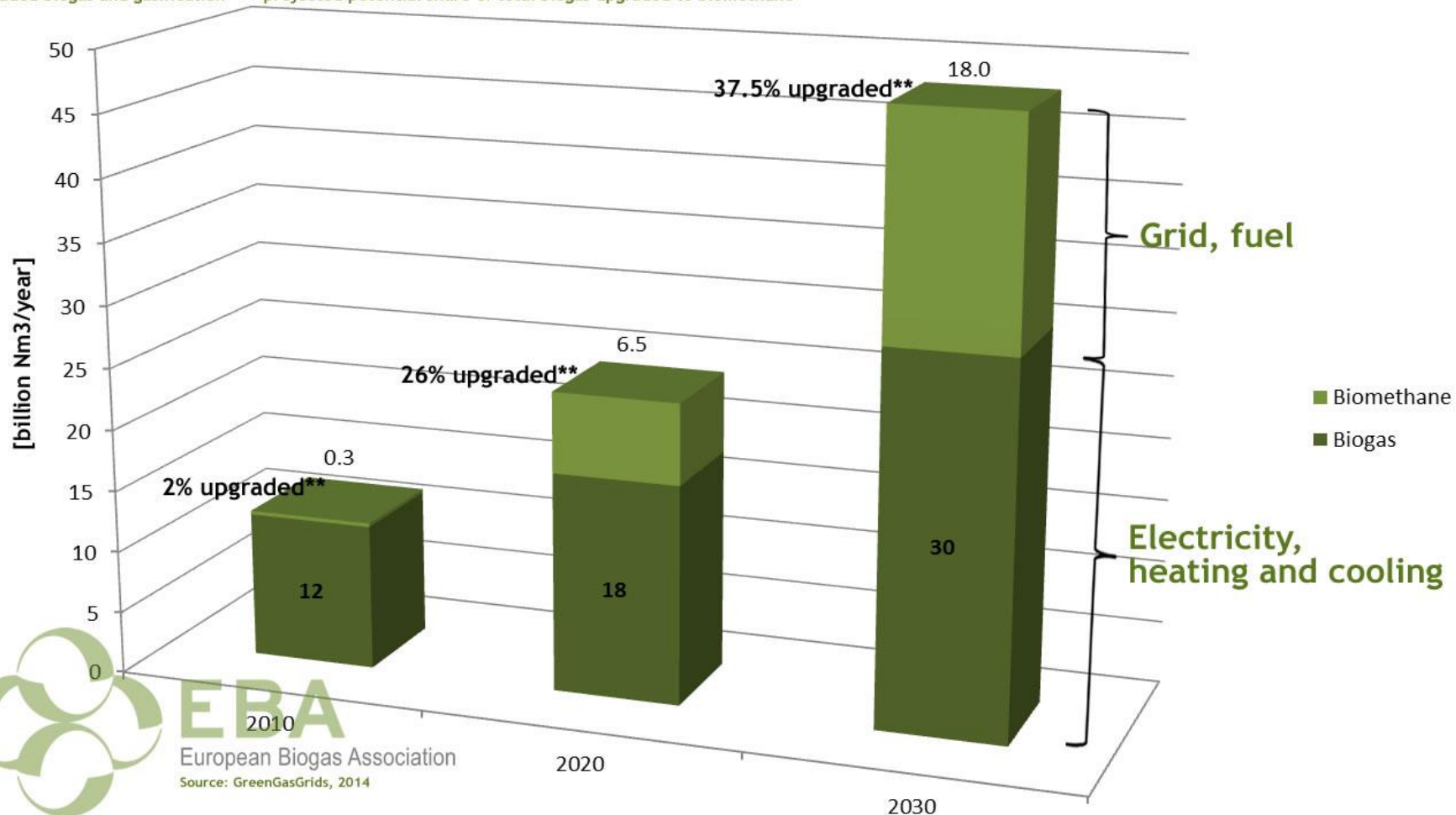
Source: IEA (International Energy Agency). "Renewables Information" 2016.

Biogas/Biomethane Potential (Anaerobic Digestion + Gasification)

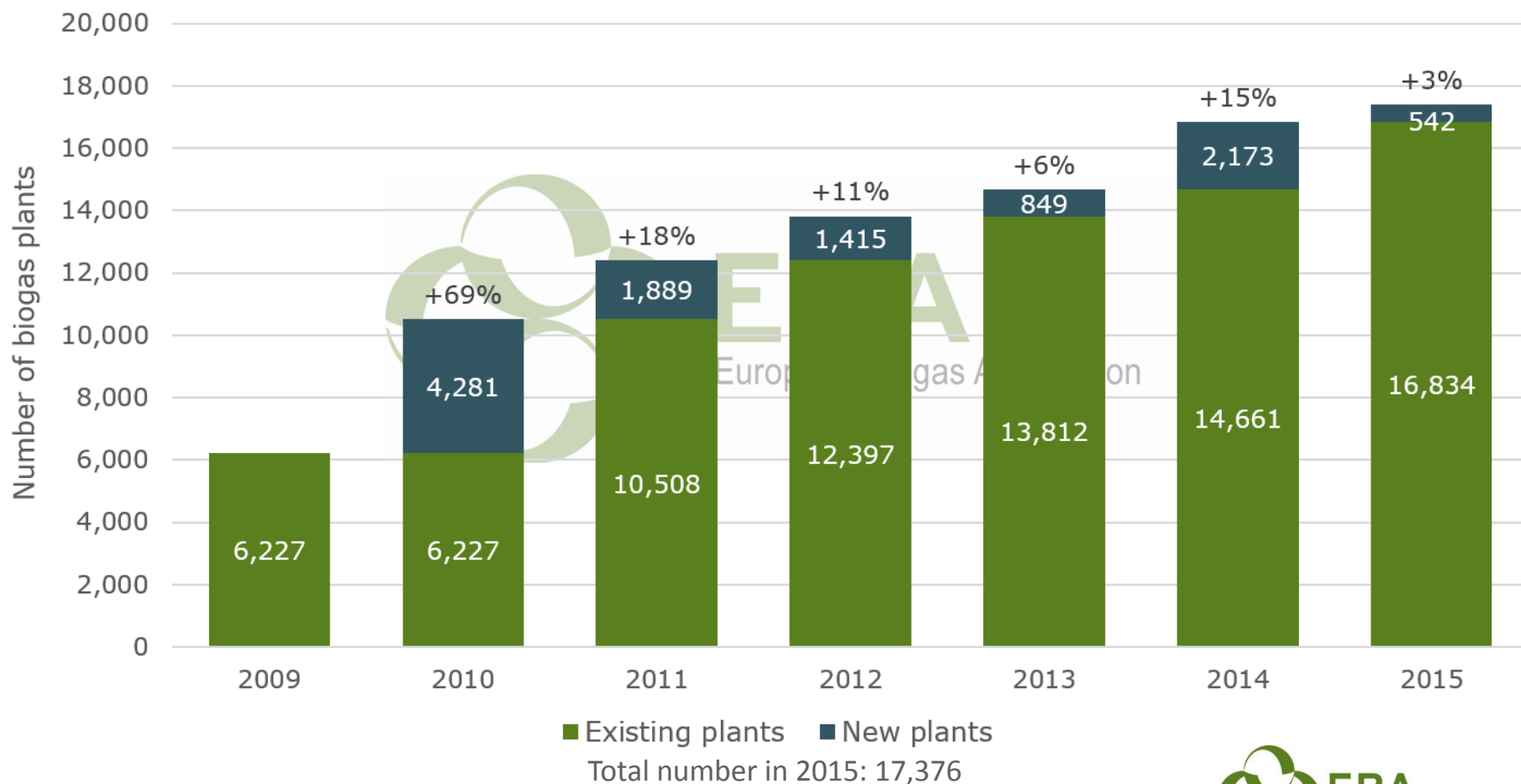


Biogas/Biomethane* potential

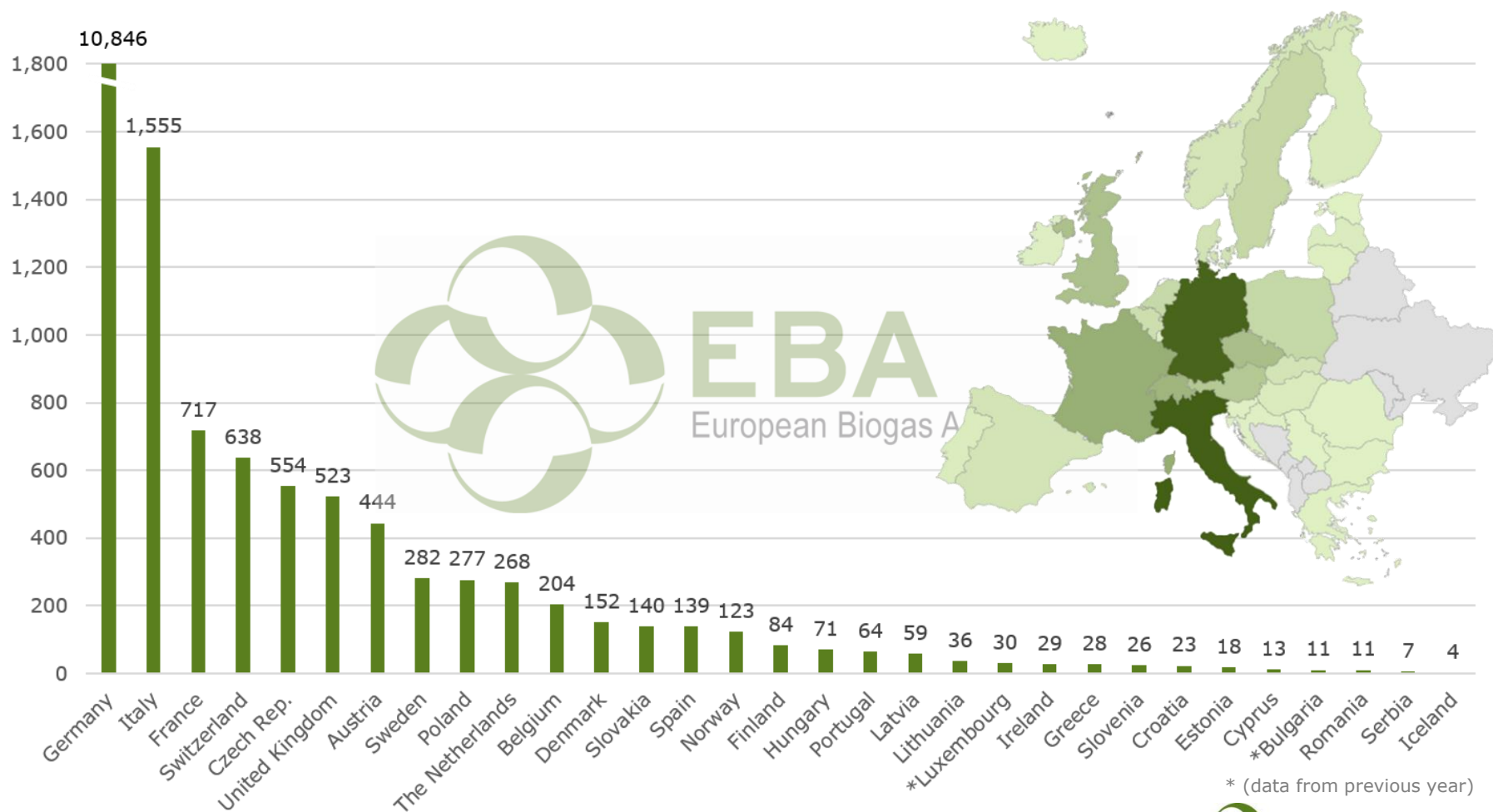
*upgraded biogas and gasification **projected potential share of total biogas upgraded to biomethane



Evolution of the Number of Biogas Plants in Europe



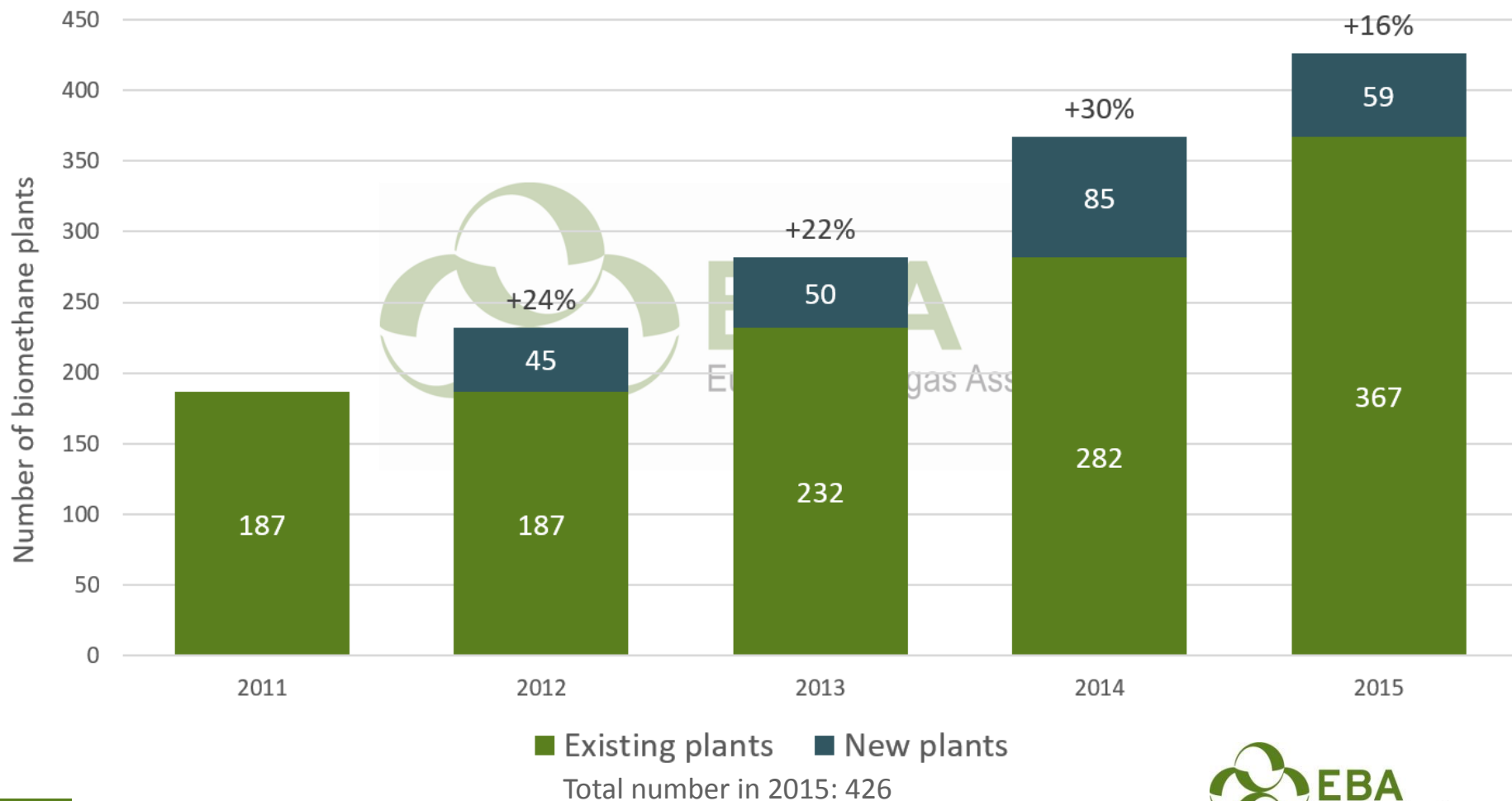
Number of Biogas Plants in 2015



Total number in 2015: 17,376

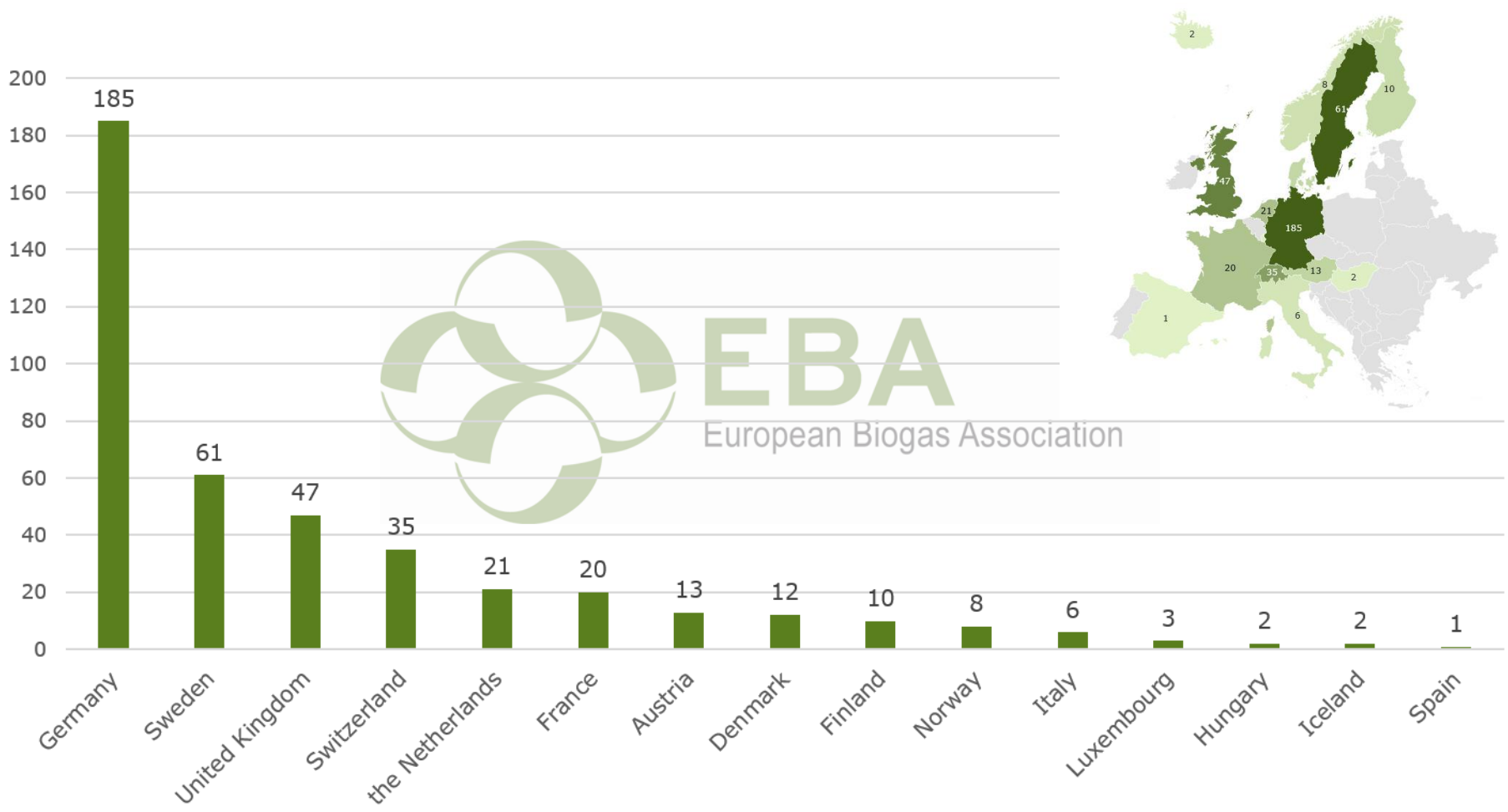
UPDATED

Evolution of the Number of Biomethane Plants in Europe



UPDATED

Distribution of the Biomethane Plants in 2015



Total number in 2015: 426

ERGaR members

- AT – AGCS Gas Clearing & Settlement AG
- BE – European Biogas Association (EBA)
- DE – German Energy Agency (dena)
Landwärme GmbH
- DK – Energinet.dk
NGF Nature Energy
- FR – Gas Réseau Distribution France (GrDF)
- IT – Consorzio Italiano Biogas (CIB)
- NL – STX Services B.V.
- UK – Renewable Energy Assurance Ltd. (REAL)
- CH – Swiss Association of Gas Industry (VSG)



How to improve the public image of biogas in Europe?

Solution



Public Image Campaign
© by EBA

www.biogasforyou.eu



Problem

1. Define objectives
2. Identify target audiences
3. Analyse the insights on the topic
4. Identify the main messages
5. Identify the key concept
6. Lay out channels and tactics
7. Establish measurement



more jobs



sustainability



individuals

• What biogas can achieve and what it can help you achieve

better quality of life



energy independence



communities



EU energy policies beyond 2020

- Commission published 30/11/16 “**Clean Energy Package**”, a set of legislative proposals to overhaul the EU energy system
- **Proposal to revise Renewable Energy Directive:**
 - New 2030 EU-wide renewables target of 27%
 - Sustainability criteria in GHG savings for all biomass:
 - 70% transport by 2021;
 - 80% power & heat by 2021, raised to 85% by 2026
 - Exemptions for biogas plants under 500 kW_{el}
 - Renewable obligations for fuel suppliers:
 - In transport: supply 3.6% of sector with advanced biofuels
 - In heating: yearly increase renewables 1% from 2021-2030
- **Proposal to revise Electricity Regulation:**
 - Improve market conditions for flexible generation
 - Remove priority dispatch for biogas over 500 kW_{el}

Thank you!

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