



European
Biogas
Association



Annual Report 2018



EBA at a glance

Founded in February 2009, the EBA is the leading European association in the field of biogas and biomethane production, serving the anaerobic digestion and gasification industries.

Committed to the active promotion of sustainable biogas and biomethane production and use throughout Europe, the EBA has created a wide network of established national organisations, scientific institutes and companies.

In 2018, the EBA counted as members more than 38 national associations, along with an associate membership of 69 companies, research institutes and NGOs from Europe and further afield with an interest in the development of biogas and biomethane.

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Table of contents

Foreword	4
2018 overview	5
A positive EU legislative framework for biogas	6-9
Biogas in figures	10-11
Continued commitment to R&I	12-13
Spreading the word about biogas!	14-17
EBA engagements in biogas promotion	18-19
EBA people	20-21
EBA members	22-23



Foreward

Europe is undergoing a major energy transition and the EBA's mission must be fully in line with the current challenges. With this in mind, the scope of the association was officially extended in 2018 from anaerobic digestion and biomass gasification to include power-to-gas and wider concepts such as circular economy, bio-economy and sustainable agro-ecology.

The need to adapt to a constantly changing reality is also a key objective for the EBA itself. **As of 2019, EBA members will enjoy extended rights and new services.** In addition, the Company Advisory Council (CAC) Advisory Board will be more involved in setting EBA policy priorities and actions, to better engage the expertise of our company members.

In Brussels, **new faces have joined the EBA Secretariat to match the roles that the EBA plays in the promotion of research and innovation initiatives,** where the association is getting increasingly involved. During the past year, the EBA has been part of two EU projects financed under the H2020 programme: BiogasAction, which aims to boost the regional development of biogas across Europe, and SYSTEMIC, focused on nutrient recovery for the production of fertilisers.

Approaching its tenth anniversary in 2019, **the EBA is recognised as a well-known and established partner of the European institutions and of representatives of the gas, renewables and waste sectors in Brussels.** This would not have been possible without the support of our members. The next decade will be crucial for us: we and the industry we serve must step up to meet expectations concerning the role of renewable gas in greening the gas grid and balancing the electricity grid. Our commitment to sustainable development will guide the EBA's next steps in the coming year. We must work together to continue raising awareness of the importance of biogas and biomethane in achieving the EU 2020 and 2050 targets.

Susanna Pflüger
EBA Secretary General



Overview of the year

January	<p>EBA's Annual Conference 2018: "Greening gas".</p> <p>EBA statistical report, companies catalogue & success stories.</p>
February	<p>EBA and GiE launch the biomethane map.</p>
March	<p>Launch of Gas for Climate initiative.</p> <p>EBA develops biogas installations toolbox for BiogasAction.</p>
April	<p>EBA high-level workshop on EU Fertilisers Regulation.</p>
May	<p>EU Green Week—EBA joint event on Greening Gas Grids for Sustainable Cities and Communities (24 May).</p> <p>EBA speaking at Gasdagarna 2018 (Sweden).</p> <p>Revision of EU Fertilisers Regulation in final stage.</p>
June	<p>EBA response to EC consultation on Energy Taxation Directive.</p> <p>EBA involved in SYSTEMIC workshop on the Nitrates Directive.</p> <p>EBA speaking at UK AD and World Biogas Expo 2018 (UK).</p> <p>EBA exhibiting at EXPOBIOGAZ 2018 (France).</p>
July	<p>Adoption of the EU Circular Economy Package.</p>
September	<p>Agreement reached on REDII.</p> <p>Launch of EBA-NGVA joint leaflet on g-mobility.</p> <p>EBA speaking at Biogas Science 2018 (Italy).</p> <p>EBA General Assembly & workshop on EU Fertilisers Regulation.</p> <p>Gas for Climate event with Commissioner Arias Cañete.</p>
October	<p>EBA replies to EC consultation to reduce GHG emissions.</p> <p>EBA involved in BiogasAction final conference.</p>
November	<p>EBA speaking at Biogas Convention 2018 (Germany).</p>
December	<p>EBA Board Meeting & policy meeting on Guarantees of Origin.</p>



A positive EU legislative framework for biogas



The EBA is actively involved in the development of EU legislation that has an impact on biogas and biomethane production. EU climate and energy targets regulating energy consumption and transport, as well as the transition towards a circular economy, have been the focus of biogas policy experts this year.

New Renewable Energy Directive

Following intensive negotiations, the EU institutions reached an agreement in June on a new Renewable Energy Directive for the next decade. The new legislation includes a legally-binding EU-wide target of 32% for renewable energy by 2030, with an upward review clause in 2023, as well as sector-specific objectives, including an annual increase of 1.3% for renewable energy in the heating sector and an end target of 14% renewables in the transport sector by 2030. The latter aims to promote the further deployment of electric mobility but it also includes a sub-target of 3.5% for advanced biofuels and biogas.

In general, the Directive is certainly a positive step towards the large-scale take up of renewable gas in the next decade. It will facilitate the access of biomethane to the natural gas grid, extend guarantees of origin from renewable electricity to renewable gas, and make the cross-border trade of biomethane easier. The new sustainability policy will restrict the production of biogas and biomethane, however, by introducing sustainability thresholds for all energy sectors. Biogas and biomethane must reach 65%-80% greenhouse gas savings relative to the fossil fuel comparators. Sustainable feedstock types are listed in Annex IX of the Directive and Annex VI determines the default emission values for different pathways. The Annexes are kept under continuous review.

Biogas nevertheless remains one of the most sustainable energy sources, able to reach over 200% greenhouse gas savings when the use of agricultural manure as a feedstock means methane emissions from manure are avoided. The Directive must be transposed into national law in all EU Member States by 30 June 2021.



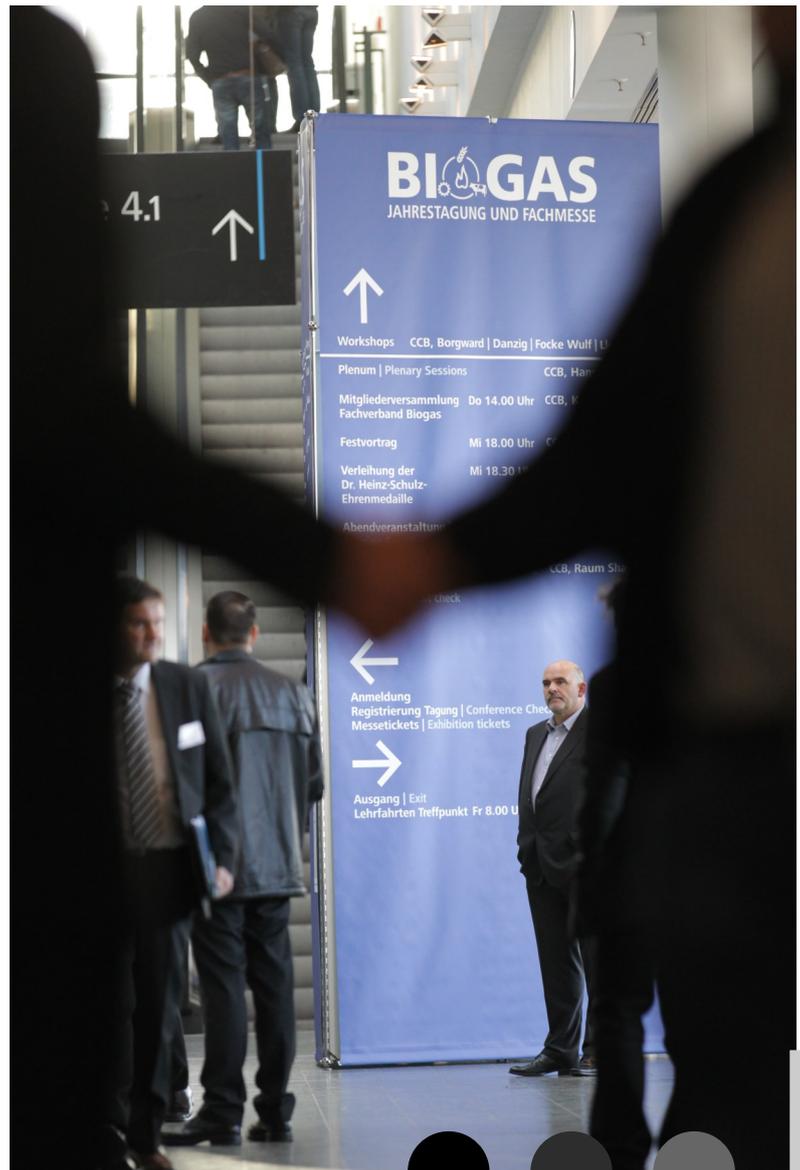
Gas in the future EU climate and energy policy

In order to comply with the climate commitment made at the COP21 in Paris, the European Union will need to effect an energy transition in all sectors; this also applies to the gas sector. All gas supply in Europe must be renewable – or decarbonised – by 2050. The EBA contributed to the European Commission’s public consultation, entitled “Future climate and energy policy - a Strategy for long-term EU greenhouse gas emissions reductions”, by underlining the role of renewable gas across all sectors. It is an important pillar in sustainable sector coupling and sector integration and one of the very few technologies able to reduce emissions in agriculture.

The outcome of the consultation was the European Commission’s “Clean Planet for All” package, which acknowledges the role of renewable gas in

different sectors, as well as in various scenarios setting out the possible measures that could be taken in order to meet the objectives of the climate agreement. The EBA, together with natural gas and hydrogen associations, issued a welcoming response when the package was published. Their joint statement underlines the considerable potential for a transition to renewable and decarbonised gases, and points to the role of gas in complementing electrical energy supply and offering energy security and flexibility, as well as storage for renewable energy.

Ahead of the gas market design legislation due in early 2020, the European Commission is running eight different studies that feed into the gas legislation, providing intelligence on different elements of the gas sector. The EBA was a member of the Sounding Board for the now completed study, “Gas Infrastructure 2050”, which evaluates the impact of decarbonisation targets on gas demand and infrastructure. Similarly, the EBA is a member of the Sounding Board for the forthcoming Sector Coupling study, which will identify factors that might limit the contribution of renewable gas and sector coupling technologies to cost-effective decarbonisation in the EU.



A positive EU legislative framework for biogas



The contribution of digestate to the circular economy

Negotiators from the European Parliament, the Council and the European Commission continued their inter-institutional negotiations (so-called trialogues) concerning the Fertiliser Regulation throughout 2018, until the 20th November, when they finally reached a compromise deal on the new piece of legislation. It will incorporate recyclable, bio-based fertilising products, thus contributing to the development of a circular economy – one of the EU's key priorities – and should allow easier access to the EU single market for fertilisers made from organic or recycled materials.

The EBA was an active member of the European Commission's Technical Working Group from start to finish of the negotiation process for this Regulation and is committed to continuing work in future groups defining further technical details for digestate and STRUBIAS materials (included in the Annexes of the Regulation).

Under the new EU Regulation, digestate will be recognized as a fertilising product; its exemption from REACH registration, however, is still an open question. The EBA has repeatedly requested that the European Commission process the request to exempt digestate from the registration requirements, similarly to compost, which is exempt. The European Commission has bilaterally given its unofficial agreement but a legally-binding exemption has not yet been issued. Another burden on digestate is the EU Nitrates Directive, which severely limits the spreading of nitrogen-containing manure, even if processed. These items will remain on the EBA's political agenda in 2019.





Clean mobility packages

Most EU regulations, from the Directive on Alternative Fuels Infrastructure to the Renewable Energy Directive, acknowledge the positive role of biomethane in both compressed and liquid form, particularly in the heavy-duty transport and machinery sector, which is challenging to de-fossilise. The third Clean Mobility Package, published in May, puts forward the first ever CO₂ emissions standards for heavy-duty vehicles. As such, this is welcomed by the EBA, as long as any regulation or support for the reaching of those standards is technology-neutral and produced in accordance with the policy direction established in other legislation.

Focussing on tailpipe emissions does not allow fair competition between the different clean mobility solutions. The EBA, jointly with NGVA Europe, has issued statements calling for a well-to-wheel approach in order to take the benefits of renewable gas adequately into account. Consideration of the entire fuel chain including extraction, production, transport and use of the fuel or electricity would provide a more realistic comparison of the different options.

The joint statements have received support from the European Parliament, with one MEP proposing a specific methodology for CNG and LNG applications, which would allow consideration of the effect of advanced and renewable gaseous transport fuel use in calculating average fleet emissions. As we enter 2019, the EBA will continue to push for a favourable regulatory framework for the use of biomethane in transport and is an active member of the Art (**A**lternative and **R**enewable **T**ransport) Fuels Forum and the Sustainable Transport Forum, both European Commission expert groups.

Biogas in figures



The EBA is working at several levels to support the better integration of biomethane into the existing gas market. Through collaboration with the international gas industry and participation in several circular economy projects, the EBA has endeavored in the last year to emphasise the importance of biomethane, renewable gases and digestate use for the necessary energy transition, aiming to establish anaerobic digestion technology as an integral part of the European bioeconomy.

The last year saw further technological progress and developing trends, resulting in greater plant efficiency, cheaper digesters and cheaper upgrading units for the conversion of raw biogas to biomethane of natural gas grade. Via the Power-to-Methane (P2M) process, the CO₂ from biogas production can be merged with renewable hydrogen produced from excess renewable electricity to produce renewable methane, virtually doubling the biomethane production of a traditional AD plant using the standard upgrading path. For the large-scale injection of biomethane into the European gas grid, cost reduction in the area of grid injection is the next anticipated significant step.

The “Gas for Climate: a path to 2050” initiative advocates an affordable solution in the transition towards a sustainable energy system and highlights the role of renewable gas. Gas for Climate estimates that by 2050, annual sustainable biomethane production could reach 1,072 TWh (98 bcm), which represents roughly 22% of current natural gas consumption.

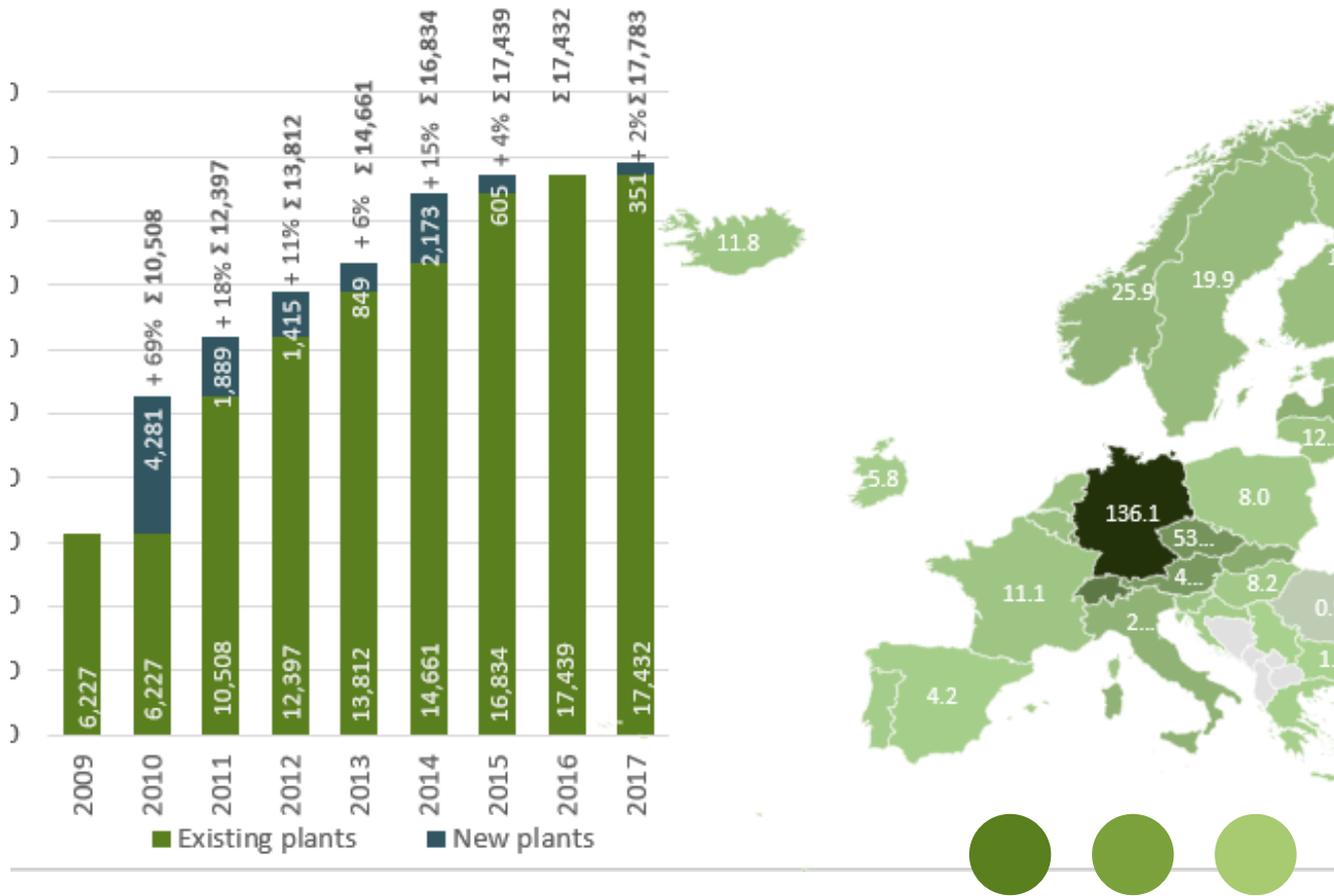
The technical department of the EBA is continuously working to provide updated data on biogas and biomethane production in Europe and is regularly joining forces with other partners to contribute to key publications on the developments of the sector.

Statistical report

The **EBA Statistical Report** has become an important reference work on the European biogas and biomethane sectors and is compiled thanks to the input and support of EBA members. Its eighth edition, offers the most up-to-date market information and data (up to and including 2017), in-depth analyses of the national biogas and biomethane markets and a comprehensive European overview.

The 2018 report showed that the number of European biogas plants has increased steadily over the past decade, showing that national biogas markets are well established and strong enough to overcome the political uncertainty which has affected certain countries. By the end of 2017, there were 17,783 biogas plants and 540 biomethane plants in operation in Europe. The total Installed Electric Capacity (IEC) in Europe continued to increase in 2017, growing by 5% to reach a total of 10,532 MW, while the electricity produced from biogas amounted to a European total of 65,179 GWh. Biomethane production also rose to a total of 19,352 GWh or 1.94 bcm in 2017.

The sector is facing a shift of its end products towards renewable gas production, both for existing and for newly installed plants. In 2017, 15 European countries produced biomethane for direct industrial uses and injection into the existing gas grid. Over the course of 2018, three additional countries, namely Belgium, Estonia and Ireland, connected their first biomethane plants to their national gas grids.



Development of the number of biogas plants in Europe (left), Number of biogas plants per 1 Mio capita in European countries in 2017 (right)

Biomethane map

The European Biomethane Map 2018 was published in collaboration with Gas Infrastructure Europe (GIE). It locates and lists biomethane installations operating in Europe (accurate to the first quarter of 2017). The map provides specific details about each biomethane plant, as well as information on cross-border interconnection points and pipelines. Furthermore, the map includes additional data about the evolution of the European biomethane market, the distribution of plants in European countries, and forecasts of indigenous natural gas and biomethane production in Europe until 2037.

Biogas Action Toolbox

The toolbox is a knowledge database of existing documentation and tools that have proven successful for biogas deployment, and was built under the auspices of the BiogasAction project. It is an online application, allowing users to learn about existing tools and accessing guidelines on training, education, and economic and/or energetic calculation models. Users can also look for existing projects and tools for biogas promotion at regional, national and European level or explore successful biogas installations across Europe. They can also learn about the legal situation in 30 European countries, as well as the likelihood of the different countries fulfilling their respective National Renewable Energy Action Plans (NREAP targets).

Leaflet on g-mobility

Together with the Natural Gas Vehicle Association (NGVA), the EBA has developed a projection of the possible development of gas driven buses, trucks and light duty vehicles, showing that even by the most conservative of estimates, biomethane could easily make up as much as 30% of gaseous fuel by 2030.

Continued commitment to innovation and research



The EBA is actively involved in research and innovation activities for the promotion and development of biogas in Europe. From 2010, we have been regularly cooperating on different European projects with research institutes, industry experts, public bodies, NGOs and other European associations. These joint undertakings have facilitated the advance of biogas production with new technologies and techniques; the development of a well-functioning European market for biogas and biomethane; the implementation of a positive legal framework for biogas; and the removal of non-technical impediments to biogas production.

SYSTEMIC: recovery of nutrients to integrate them into a circular economy

Bio waste is the most abundant waste stream in Europe and hence, the most prominent potential resource for the production of biogas and the recovery and reuse of mineral nutrients. Nowadays, this waste is often not being recovered, posing severe challenges in terms of inefficient resource use, disposal and environmental pollution. This H2020 project addresses the challenge by identifying innovative approaches to recover and recycle valuable mineral components from organic waste streams into new products and integrate them optimally into a local or regional circular economy.

Nutri2Cycle: closing nutrient loops

During the next 4 years, within the framework of this H2020 project, 19 organisations from 12 EU countries will work together to provide an essential contribution to the development of a circular economy by closing nutrient loops. Tackling the existing nutrient flow gaps in Europe will help decrease greenhouse gas emissions, reduce soil degradation and improve EU independence in terms of energy and nutrients. The initial meeting took place at Ghent University, the institution coordinating this initiative.

ALG-AD: waste recovery for algal biomass cultivation

ALG-AD is an Interreg NWE funded project, in which new technology is being developed to use excess waste nutrients produced from the anaerobic digestion of food and farm waste to cultivate algal biomass for animal feed and other products of value.



Project meeting BiogasAction —June 2018

BiogasAction: removal of non-technical barriers to biogas production

BiogasAction officially kicked-off in January 2016 and has focused on the following **countries and regions: the Rhône Alps and Western France, Wales and the UK, Croatia, the Czech Republic, the Netherlands, Denmark, Latvia and South East Sweden**. During the past two years, the partner regions have worked towards stimulating mobilisation for biogas and biomethane development. The project has worked on the removal of non-technical barriers to create better frameworks for the widespread production of biogas and biomethane. The efforts and success stories of BiogasAction have been summarised in the project's **final booklet**, disseminated at the BiogasAction conference in Brussels in 2018. The key conclusions of these two years working on the promotion of biogas and biomethane can be found below.

Biogas production involves many different players: farmers, industry representatives, energy producers and public authorities, among others. **The successful development of biogas requires regular cooperation between the different stakeholders** to exchange information and knowledge on the state of play of the biogas sector. An important challenge for BiogasAction was the promotion of synergies and the exchange of information between these different parties. One of the key actions of the project has been the development of an online Toolbox, set up by the EBA, in the form of a free-access online platform (<http://tools.biogasaction.eu>) with useful information and tools for biogas plant developers.

Spreading the word about biogas!



The EBA's policy actions and technical activities are strongly supported by communication and information dissemination designed to maximise their impact. Our current priority is to raise awareness of the role to be played by biogas and biomethane in the drive to meet EU climate and energy targets and in the transition towards a circular economy.

Biogas potential in the current EU climate and energy framework

Biogas offers a wide range of possible applications, particularly in areas where it can help to reduce emissions and re-use waste. In agriculture, biogas production facilitates the effective recovery of nutrients that can be used as bio-fertilizers.

This is a great opportunity to work towards a circular economy. In the energy sector, biogas can be used in combined heat and power production and is especially valuable for local and decentralised energy production. In transport, biogas upgraded to biomethane can serve as a vehicle fuel, which can be transported using existing natural gas grids.

 <p>Biogas for combined heat and power</p>	 <p>Biomethane injection in natural gas grids</p>
 <p>Nutrient recovery for agriculture</p>	 <p>Positive impact on environment, as well as on local development</p>



A strong online presence

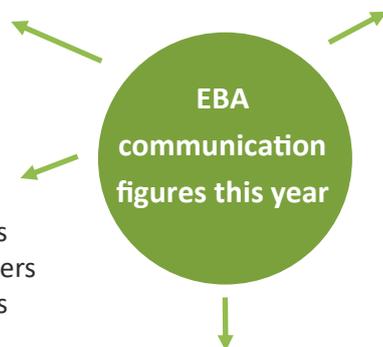
EU citizens are key to the development of the current EU environmental policies. They can play an active role in the energy transition and the development of a circular economy by taking decisions in their daily life that have a positive impact on the environment. The EBA wants to connect with them and provide information on the ways in which the use and production of biogas and biomethane can help reduce emissions and recover waste.

We regularly respond to policy and technical enquiries from journalists, researchers and entrepreneurs and we engage with citizens via our online communication tools, where we publish constant updates about biogas and biomethane, as well as details of our activities.

Website: 70 news articles on biogas and 13 position papers and press releases

Social media:

- Twitter 3538: followers
- Facebook: 1992 followers
- LinkedIn: 732 followers



Online publications:

- 4 in-house publications: Statistical Report, Success Stories, Companies Catalogue, EBA newsletter.
- 3 joint publications: Biomethane map with GiE, leaflet on g-mobility with NGVA and Gas for Climate study.

Press: 7 contributions to articles on biogas and biomethane



Spreading the word about biogas!



Continued interaction with members and other biogas stakeholders is a priority for the EBA, not only in Brussels, where the association is headquartered, but also in other EU countries. This year, the EBA has organized different workshops and events to raise awareness of biogas goals and priorities, and has sent representatives to major conferences across Europe.

Joint events with other partners

ESPP—Fertilizers regulation: The EBA and the European Sustainable Phosphorus Platform (ESPP) joined forces to promote the recognition of organic fertilizers, and in particular of digestate and fermentation products, as EU fertilizers. The result of this cooperation was a workshop held in April in Brussels that allowed the relevant stakeholders to have an engaged discussion on unclear or unsatisfying points within the draft regulation and on how to overcome these barriers.

EUBIA & Biorefine Cluster Europe—EU Green Week: Renewable gases are playing a growing role in the energy transition, benefiting cities and their communities. EUBIA, the EBA and Biorefine Cluster Europe organised a side event on this topic during the 2018 EU Green Week in Brussels: “Greening the gas grid for sustainable cities & communities”. It presented an overview of the European biogas and biomass framework, and focused on the latest updates from European companies and projects.

SYSTEMIC—Nitrates Directive: Two weeks after, the H2020 projects SYSTEMIC and AGROCYCLE held the joint workshop “Fertilising products based on animal manure under the Nitrates Directive and the Circular Economy” in Brussels. The goal of this event was to feed into the European development process for the Nitrates Directive drafted by the European Commission by discussing the product quality, agronomic efficiency and environmental performance of different groups of fertilisers produced from manure.

Gas for Climate initiative—Event with Commissioner Arias Cañete: Gas for Climate, a consortium of the EBA, the CIB and seven leading European gas transport companies, presented an action plan to boost the production of renewable gas, and handed it to the EU Commissioner for Climate & Energy, Miguel Arias Cañete, at an official event held in September in Brussels.

Participation in major biogas conferences and trade fairs

- May: EBA speaking at **Gasdagarna 2018** (Sweden)
- June: EBA’s booth at **EXPOBIOGAZ 2018** (France)
- July: EBA speaking at **UK AD and World Biogas Expo 2018** (UK)
- September: EBA speaking at **Biogas Science 2018** (Italy)
- November: EBA speaking at **Biogas Convention 2018** (Germany)



EBA Annual Conference —January 2018

EBA Conference 2018 - 'Greening Gas'

More than 200 delegates gathered in Antwerp, Belgium, to attend the 2018 EBA Annual Conference in January. Discussions revolved around the topical issue of “Greening Gas”, through 40 sessions animated by speakers from the industry, research and policy sectors. In its inaugural year, the **Greening Gas Award** was given to Gasunie, rewarding the company's achievement in incorporating green methane into its current business.

EBA President Dr Jan Stambasky first introduced the audience to the **growing role of green gas in the European energy mix**, focusing especially on biomethane, the production of which has increased considerably since 2016. Emerging innovative technologies and their benefits were also put under the spotlight, such as Power-to-Gas, Power-to-Methane and biomass gasification.

Special events with EBA members

The EBA pays special attention to the feedback and support from its members on all EU policies which have an impact on the biogas industry. For that reason, we organize special events every year to exchange ideas with members and engage with EU policy-makers. Last year, the EBA workshops focused on the **EU Fertilizers Regulation** (September) and the development of **Guarantees of Origin** to facilitate cross-border trade in biomethane (December).

EBA engagement in biogas promotion



Engagement in biogas promotion is at the heart of EBA strategy. During the past years, the association has built an extensive network of biogas industry representatives, policy-makers, researchers and members of other renewable energy associations. The EBA works in close cooperation with them to make sure the benefits and challenges of biogas and biomethane in the current energy transition are represented and taken into account at EU and national level.

ERGaR (European Renewable Gas Registry)



We are involved in the development of ERGaR. This body was founded as a cooperation between European gas registries, designed to enable cross-border trade in biomethane certificates among the member registries. Biomethane is biogas upgraded to natural gas quality and this project aims to create an independent, transparent and trustworthy documentation scheme for the mass balancing of biomethane distributed along the European natural gas network. In 2018, ERGaR celebrated its 2nd anniversary with 22 members from 12 European countries

Biorefine Cluster Europe (BCE)



The EBA cooperates closely with the Biorefine Cluster Europe. This network interconnects projects and people within the domain of biobased resource recovery, striving to contribute to a more sustainable resource management. The focus is within the biorefinery sector, on the refinement of chemicals, and on materials, energy and products from biobased waste streams.

EBA is a member of:

- **EUFORES**



EUFORES is a European parliamentary network with Members from all major political groups in the European Parliament, as well as from the national Parliaments in the EU Member States.

- **EREF** (European Renewable Energies Federation) **EREF**
EUROPEAN RENEWABLE ENERGIES FEDERATION

EREF is the federation of national renewable energy associations from EU Member States, representing sectors such as wind, solar, small hydro, bioenergy, tidal, wave, and geothermal.



Gas for Climate event—September 2018

Gas for Climate campaign



“Gas for Climate: a path to 2050” is a group composed of two renewable gas industry associations (the EBA and the CIB) and seven leading European gas transport companies (Enagás, Fluxys, Gasunie, GRTgaz, Open Grid Europe, Snam and TIGF).

The Paris Agreement goal to limit global temperature increase to well below 2 degrees requires deep decarbonization, which in turn necessitates long-term energy system planning and a shared determination from all involved in the energy system. Gas for Climate is convinced that a smart combination of renewable electricity and renewable gas will achieve a net zero greenhouse gas emission EU energy system by 2050 in the most cost-efficient way.

The Gas for Climate consortium holds regular meetings to discuss technical, policy and communication activities which can be developed within the framework of this campaign. The group has worked on different joint publications this year to raise awareness of the role of renewable gas in achieving the 2050 targets. We have also organised a number of events, including a conference with Commissioner Arias Cañete, where we presented the Gas for Climate Action Plan to 2050.

EBA people: The Secretariat



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Scientific Advisory Council (SAC)

The Scientific Advisory Council is a network of researchers, scientists and university teachers dedicated to the promotion of the biogas and biomethane sector by means of scientific evidence. The SAC meets regularly via phone conferences. Face-to-face meetings also take place, along with other relevant events.

Steering Committee

- SAC Chair – Prof. Dr. Erik Meers (University of Ghent) – erik.meers@ugent.be
- SAC Vice-Chair – Prof. Dr.-Ing. Frank Scholwin (Institute of Biogas, Waste Management and Energy) – frank.scholwin@uni-rostock.de
- EBA Board – Jan Stambasky – stambasky@european-biogas.eu
- EBA Secretariat – Susanna Pflüger – pfluger@european-biogas.eu

EBA people: Executive Board Members



Dr. Jan Štambaský
President
Czech Republic



Harm Grobrügge
Vice-President
Germany



Franz Kirchmeyr
Vice-President
Austria



Prof. Erik Meers
SAC Chairman
Belgium



Philipp Lukas
CAC Chairman
UK



Dr. Stefano Bozzetto
Executive Board Member
Italy



Dr. Attila Kovács
Executive Board Member
Hungary



Anders Mathiasson
Executive Board Member
Sweden



Michael Chesshire
Executive Board Member
UK

Company Advisory Council (CAC)



The Company Advisory Council (CAC) is an industry platform dedicated to European biogas. It provides an opportunity for companies to make their views heard by European policy makers and thus adds considerably to the voice of the EBA. The meetings are held on average twice a year in different locations in Europe.

Steering Committee

- CAC Chair – Philipp Lukas (Future Biogas) – philipp.lukas@futurebiogas.com
- CAC Vice-chair – Michael Niederbacher (BTS) – m.niederbacher@bts-biogas.com
- EBA Board – Attila Kovacs – kovacs@european-biogas.eu
- EBA Secretariat – Susanna Pfluger – pfluger@european-biogas.eu

EBA Full Members

National & regional organisations



Country	Organisation
Austria	Austrian Compost & Biogas Association - ARGE Kompost & Biogas
Belgium	Biogas-E
	Edora - Federation of Renewable Energies - EDORA Fédération des producteurs d'énergies renouvelables
	Valbiom - Association de valorisation de la biomasse
	Vlaco - Vlaamse Compostorganisatie
Czech Republic	Czech Biogas Association - Česká bioplynová asociace o. s.
Denmark	Danish Biogas Association - Brancheforeningen for Biogas
	Partnership for Thermal Gasification - Partnerskab for Termisk Forgasning
Estonia	Estonian Biogas Association - Eesti Biogaasi Assotsiatsioon MTÜ
Finland	Finnish Biogas Association - Suomen Biokaasuyhdistys
France	ATEE Club Biogaz
	AAMF - Association des Agriculteurs Méthaniseurs de France
	Club Pyrogazéification
Germany	GERBIO - German Society for sustainable Biogas and Bioenergy Utilization; FNBB - Fördergesellschaft für nachhaltige Biogas- und Bioenergienutzung e.V.
	German Biogas Association - Fachverband Biogas e.V.
Greece	HEL.BI.O - Hellenic Biogas Association
Hungary	Hungarian Biogas Association - Magyar Biogáz Egyesület
Ireland	IrBEA - Irish Bioenergy Association
	Cré - Composting & Anaerobic Digestion Association of Ireland
	Renewable gas Forum (RGFI)
Italy	CIB - Consorzio Italiano Biogas e Gassificazione
	Federazione Italiana di Produttori di Energia da Fonti Rinnovabili FIPER
Latvia	Latvian Biogas Association - Latvijas biogazes asociacija
Lithuania	Lithuanian Biogas Association - Lietuvos Bioduju Asociacija
Netherlands	VGGP - Vereniging Groen Gas Producenten
	BBO-Biogas Branche Organisatie
Poland	PIGEO - Polska Izba Gospodarcza Energii Odnawialnej
	UPEBI - Union of producers and employers of biogas industry
Romania	ARBIO - Romanian Association of biomass and biogas
Serbia	Biogas Association of Serbia
Slovakia	SBA - Slovenská bioplynová asociácia
Slovenia	Slovenian Biogas Association
Spain	AEBIG - Asociación Española de Biogás Spanish Biogas Association
Sweden	Energiegas Sverige - Swedish Gas Association
Switzerland	Biomasse Suisse - Swiss Biomass Association
UK	ADBA - The Anaerobic Digestion and Biogas Association Ltd.
	Renewable Energy Association – Biogas
Croatia	Croatian Biogas Association - Hrvatska Udruga Proizvodaca Bioplina

EBA Associate Members

Companies, research organisations, public bodies & NGOs

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- Accord Ltd.
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- Biogest Energie- und Wassertechnik GmbH
- Bioprocess Control Sweden AB
- Biorefine Cluster Europe
- BRC, Biogas Research Center
- BTA International GmbH
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- China Agricultural University
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- DMT Environmental Technology
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- Yara International ASA





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