WBA
WORLD BIOGAS ASSOCIATION
PRESENTATION
We are the new global association for biogas to promote the industry with a mission «dedicated to increasing the production and use of biogas globally» and proposing biogas as a contributor to resolving issues around:

- climate change,
- urban air quality
- energy independence,
- waste management,
- sanitation,
- sustainable economic development,
- food security,
- soil quality and desertification,
- farm incomes,
- rural empowerment
- health, gender equality

- Founded by 21 members globally.
- To join, [www.worldbiogasassociation.org](http://www.worldbiogasassociation.org)
How do we work?

• WBA is a global platform for sharing best practices, experiences, knowledge, problem resolution
• By developing tools for members to use to promote biogas in their own countries
• We organise events, give regulatory support, offer market intelligence, training, support planning and technology implementation
• Outreach to IGOs, coordinating international standards issues, pushing for global biogas strategies
Feedstocks

Crop residue
Food waste
Livestock Manure

Sewage
Energy crops

Seaweed
Prickly pear
POME

Feedstocks
Anaerobic Digestion generates

- Renewable energy
  - Electricity grid
  - Gas grid
  - Domestic use (cooking)
  - Transport fuel
Anaerobic Digestion abates

Greenhouse gas emissions
Anaerobic Digestion is an integral part of agriculture and the circular economy.
Anaerobic Digestion and landfill gas capture are an efficient way of managing OFMSW and generating energy.
Anaerobic Digestion

Treats wastewater for better sanitation and safer water bodies
Scale
AD contributes to at least 9 SDGs
Biogas' contribution to the UN Sustainable Development Goals:

2. Zero Hunger

3. Good Health and Well-being

5. Gender Equality

6. Clean Water and Sanitation

7. Affordable and Clean Energy

9. Industry, Innovation and Infrastructure

11. Sustainable Cities and Communities

13. Climate Action

15. Life on Land
The regional, multi-faceted contexts; the global debate is nuanced

North America, climate change and air quality are not national drivers. Farm incomes, energy independence, reducing costs, increasing profitability, managing waste streams to maximise profitability, are all drivers.

Europe, climate change, air quality, renewable energy targets, fuel efficiency, managing waste streams, farm incomes, energy independence, are all drivers.

Middle income countries, bio waste management, climate and air quality, economic development, farm incomes, are all drivers.

Low income countries, energy for economic development, sanitation and health, domestic fuel supplies, energy independence, climate change, rural incomes, waste management, are all drivers.
THE CHALLENGES

Health and Safety – training in operation and maintenance to ensure safety of all

Energy costs - levelling or falling over next years, how to compete?

Efficiency - how much biogas are we losing in the process?

Scale – as incentives fall many plants will fail, we need to industrialise, consolidate and scale-up

Developing markets – lack of policy frameworks, no capital markets, corruption

Collaboration – global challenges require global responses; we need to cooperate globally and overcome sectorial/geographical/technological barriers

Research - the AD industry lacks a research centre to drive forward technological change
THE TARGETS TO INFLUENCE

UNFCCC- GREEN CLIMATE FUND, $100BN/YEAR BY 2020

GLOBAL ENVIRONMENTAL FACILITY, $2BN/YEAR

WORLD BANK AND REGIONAL AGENCIES

UN AGENCIES SUCH AS HABITAT, UNEP, FAO, IEA

C40, CCAC, CLEAN COOKING STOVES, ICLEI, WBCSD, WEF

DONOR COUNTRIES, DEVELOPMENT AGENCIES
And now it has a global voice

Join us!

David Newman
President W.B.A.

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