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

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


GLOBAL CITIZENS
GAS GRID
ELECTRICITY GRID
ORGANIC WASTE
(FARM, FOOD, SEWAGE)
CROP PRODUCTION
TRANSPORT FUEL
ANAEROBIC DIGESTION
HEAT
BIOMETHANE
(UPGRADE)
BIORESOURCES
DIGESTATE TO LAND
DOMESTIC USE
(COOKING)
CHP UNIT
BIOGAS

Crop residue

Food waste

Livestock Manure

Sewage

Energy crops

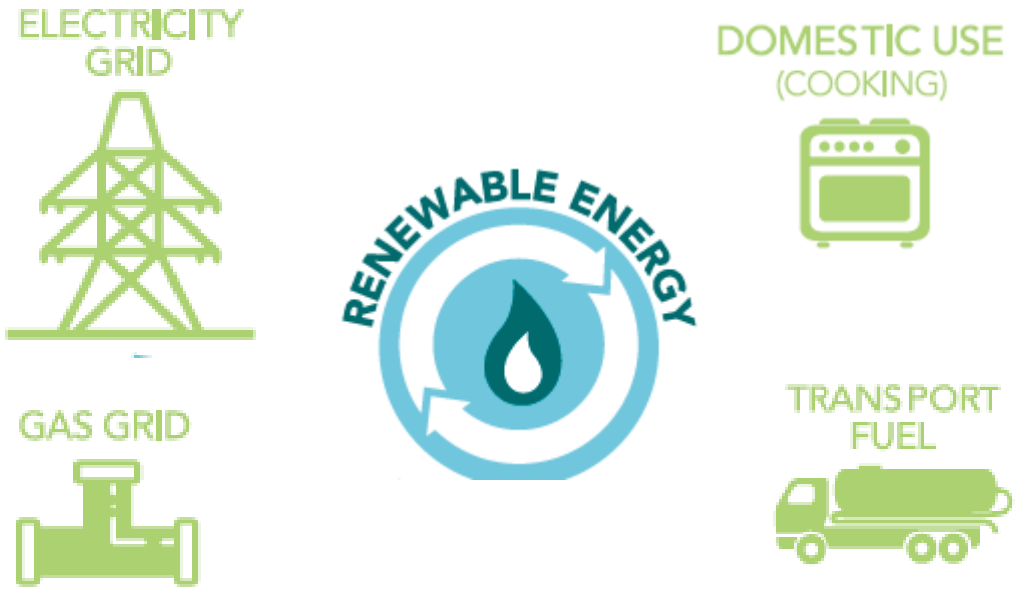
Seaweed

Prickly pear

POME

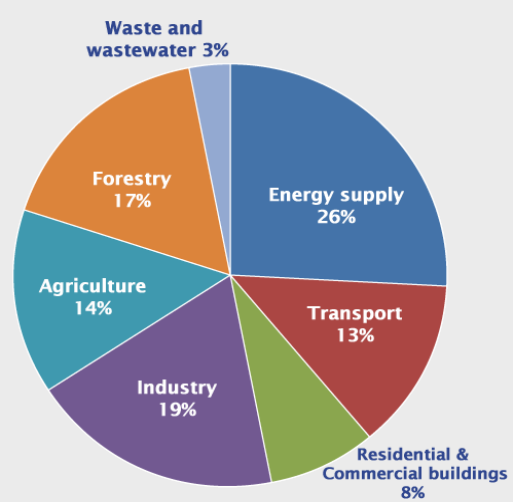
Feedstocks

Anaerobic Digestion generates



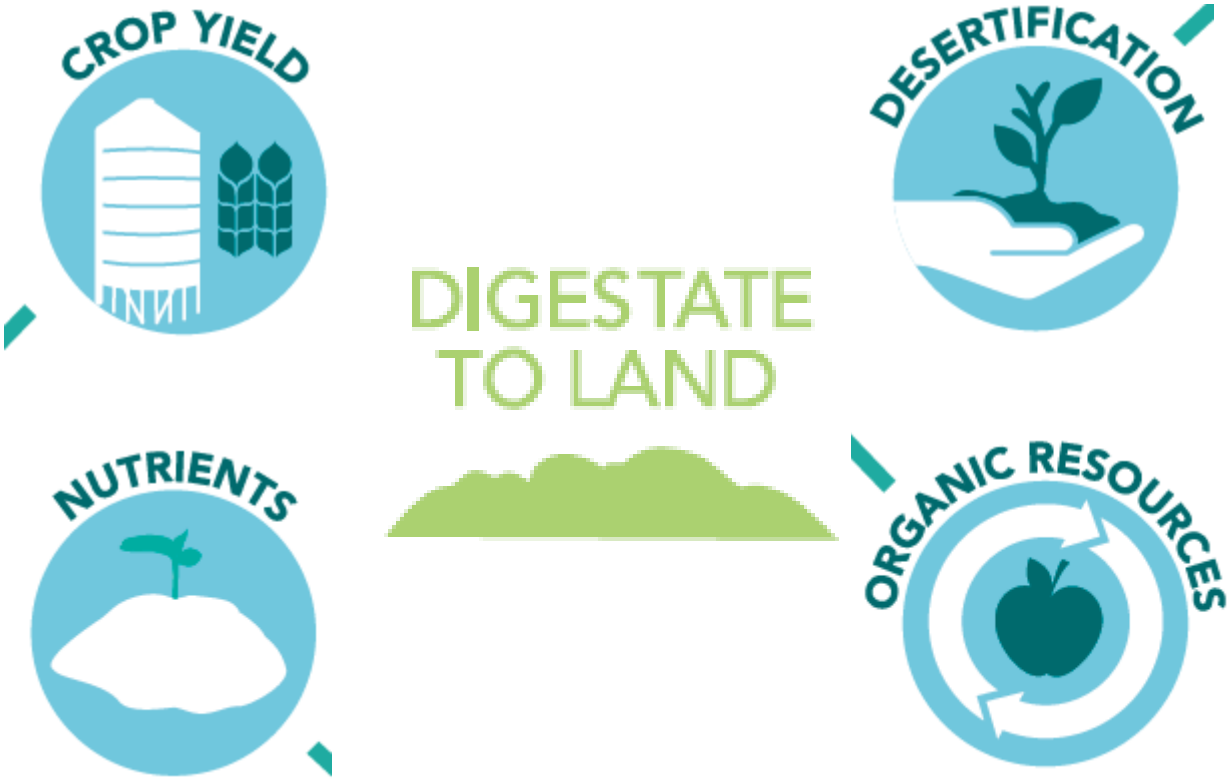
Renewable energy

Anaerobic Digestion abates



Greenhouse gas emissions

Anaerobic Digestion is an…

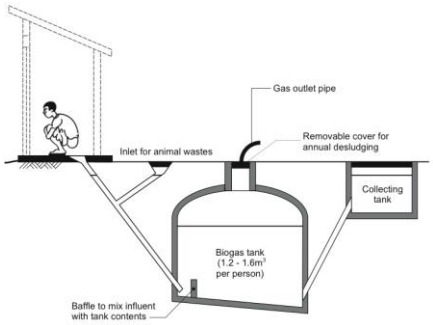


Integral part of agriculture and the circular economy

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

www.un.org

AD contributes to at least 9 SDGs

Biogas' contribution to the UN Sustainable Development Goals:

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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