

Renewable gas and
soil improver

**BIOGAS – A solution
for food waste**



Webinar: 22nd Sept
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Director EBA

EBA

- ✓ Representing almost all countries in Europe
- ✓ > 7000 stakeholders
- ✓ Statistical data
- ✓ Market reports
- ✓ Research support in the sector
- ✓ Driving the need for renewable gas



Examples: Current use of food/organic waste

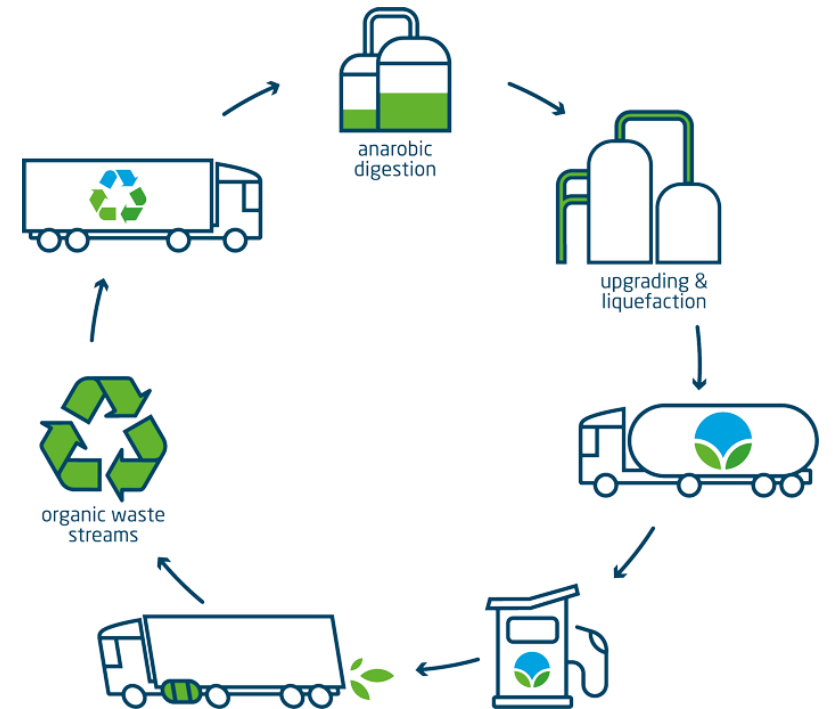


**Orgaworld
Netherlands**

HRA Norway



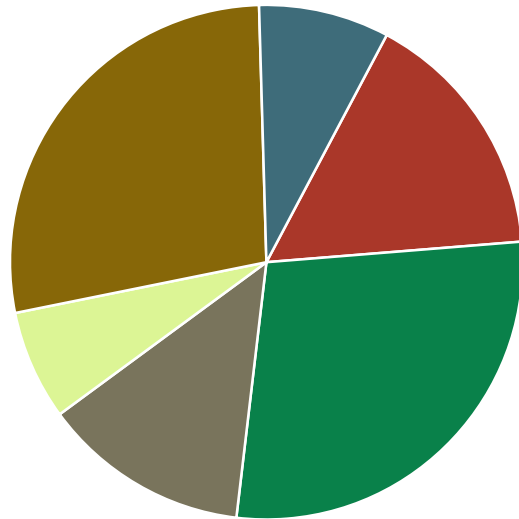
Bio-LNG



Current and potential use

Current Use

Biogas feedstock distribution in Europe in 2018



- Energy crops
- Biowaste, municipal waste
- Sewage
- Agri residues
- Industrial (food and drink)
- Other

Biomethane production from MSW
0,36 bcm or 3.8 TWh

Potential Use

5 bcm or 53 TWh !!!
Only based on current organic fraction

Not taken into account improved collections

Plastic problems with Organic fractions

- Difficult to remove
- Costly to remove
- Renewable energy becomes expensive
- whilst polluter does not feel the burden

Renewable gas industry are seen as bad whilst they are solving the problem!



Solutions



The cause of the plastic in organic fractions needs to be tackled

- Polluters such as packagers needs to pay for plastic separation
- Best available technique should be used for highest separation rate
- Renewable gas industry should be paid for its separation in order that the cost of renewable gas is not negatively influenced. i.e. Fair representation of true value of renewable gas

**Technically possible.
We must ensure right
implementation**

Potential for Renewable gas

- The sector can scale up
- The carbon negative impact speeds up the decarbonisation need
- Soil improvers available
- Important corner stone in defossilisation
- Infrastructure available

