

SCRL KESSLER

# FERME DU FAASCHT



# Overview of the site



La Ferme du Faascht  
Attert (Arlon), Belgium



<b>Present owners :</b>	<b>Ludovic Peter – Mélody Kessler – David Feller</b>
<b>Installation date</b>	Since 2003
<b>Farm</b>	150 dairy cows 90 heifers and calves 60 animals of breeding and fattening +/-200 UGB 100 hectares
<b>Engine of cogeneration</b>	Man Hagl (190 kW), Man Hagl (360 kW), Man Energolux (360 kW) Total of 910 Kw él
<b>Organic inputs</b>	Manure (10 %), grass and corn silage(20 %), green waste and agro-food waste (70 %) total: 20 000 To / year.
<b>Anaerobics digesters</b>	2 digesters of 750 M <sup>3</sup> and 1 of 2400 M <sup>3</sup> 1 post--digesteur of 750 M <sup>3</sup> 1 covered storage tank of 4.000 M <sup>3</sup> 1 storage tank of 4.500 M <sup>3</sup>
<b>Production</b>	6000 MWhél/year 7.200 MWth /year
<b>Use of heat</b>	Capacity of drying of 4.000 the To / year of the digestat with +/- 5.000 Mwth / year production of dry fertilizer in granules: +/-150 the To / year

# Digestate valued as fertiliser



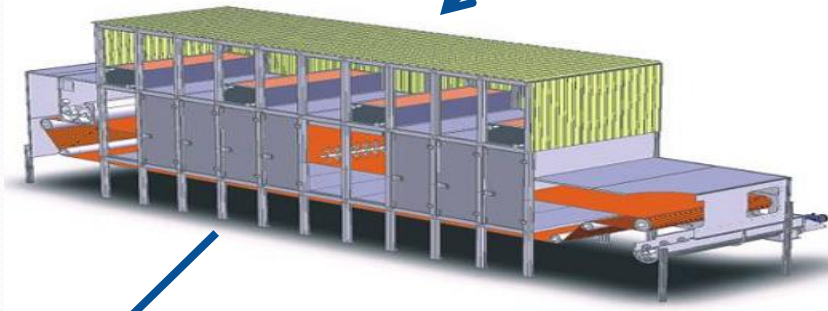
- +/- 500 ha local land fertilised with digestate
- Strong partnership with local farmers (october grass for digestate)
- 0% of chemical fertilisers in our farm
- NPK - OM and micro-elements recovered
- Decrease in nitrogen leaching (*Ecobiogaz and Persephone Interreg projects*)

# End products

Digestates 16 000 tons / year (9% DM)



1000 to/year



5000 to/year



Dried phase 100 ton / year (90% DM)



Solid phase 1000 ton / year (30% DM)

# Solid fraction separated



- 30% DM
- N<sub>tot</sub>: 7 kg/t FW
- P<sub>2</sub>O<sub>5</sub>: 5kg/t FW
- K<sub>2</sub>O: 3 kg/t FW



# Recovery project in horticulture

Substrat test at Gembloux University CTH



# ECOSYSTEM PRINCIPLE

## SUBSIDIES

- UDE 22,5%
- FEADER 6,75% ?



Gaz



cogénération



CNG



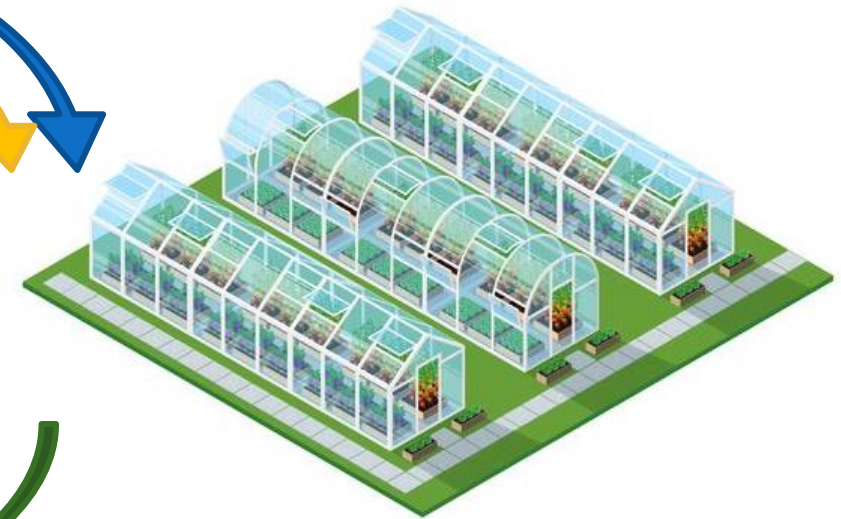
Electricity

Heat

CO<sub>2</sub>

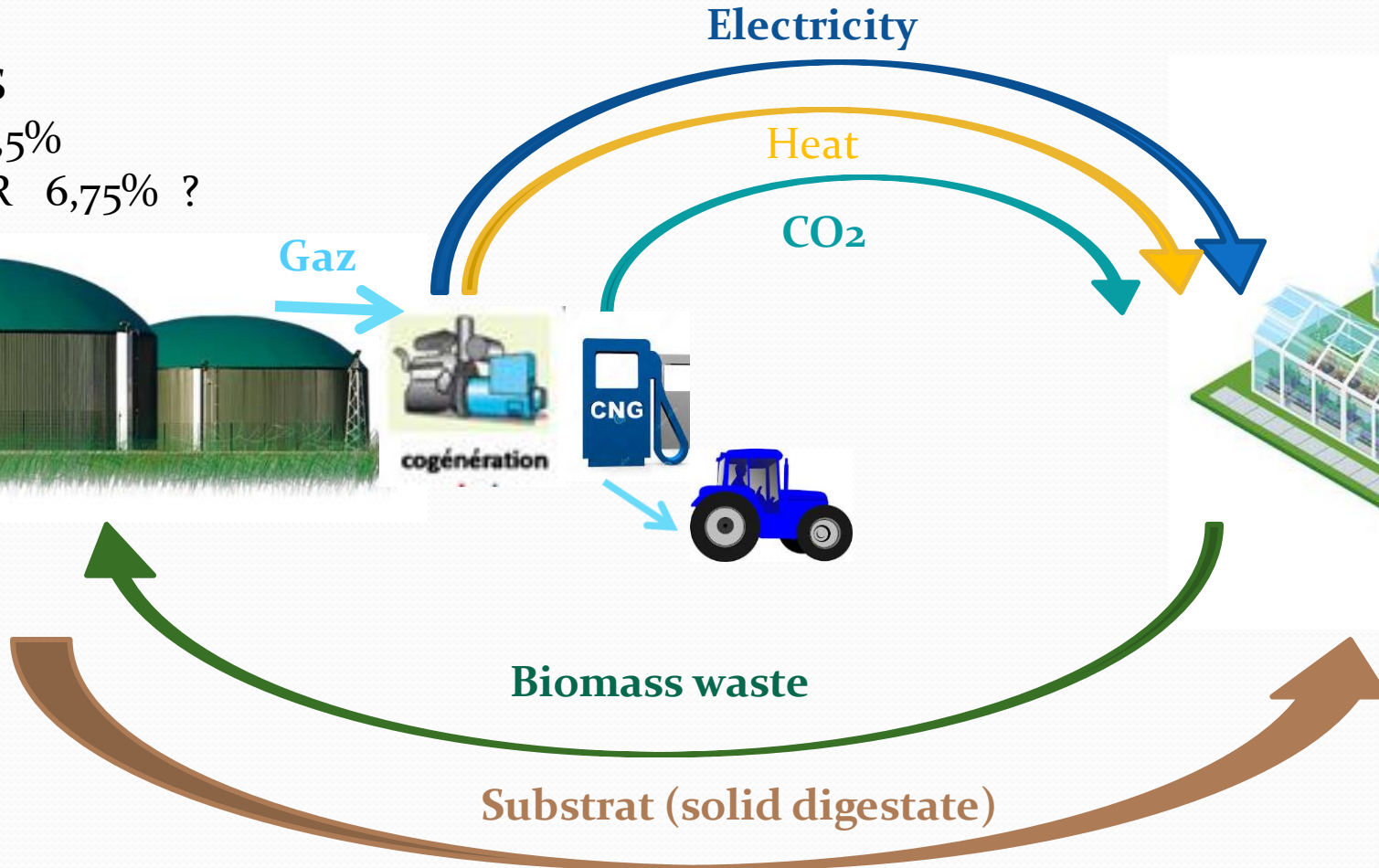
## SUBSIDIES

- ADISA ???



Biomass waste

Substrat (solid digestate)





# Because we need solutions for sustainable agriculture

Interreg  EUROPEAN UNION

Perséphone

