

Innovation Centre
for Organic Farming

Grass-clover and biogas fertilizers as a climate efficient nutrient supply

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Climate optimized fertilization in organic cropping systems (ClimOptic)



STØTTET AF

Promilleafgiftsfonden for landbrug



Take care of the nutrients in the system

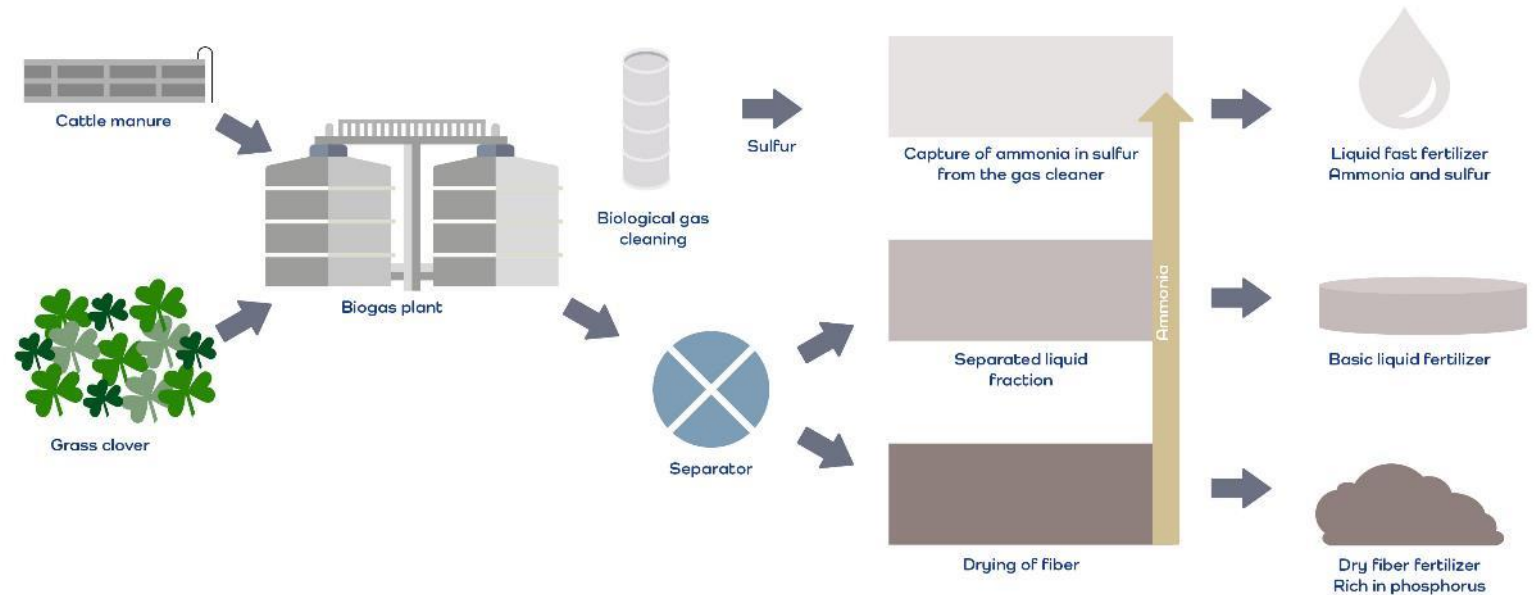




Nutrient conversion at biogas plants

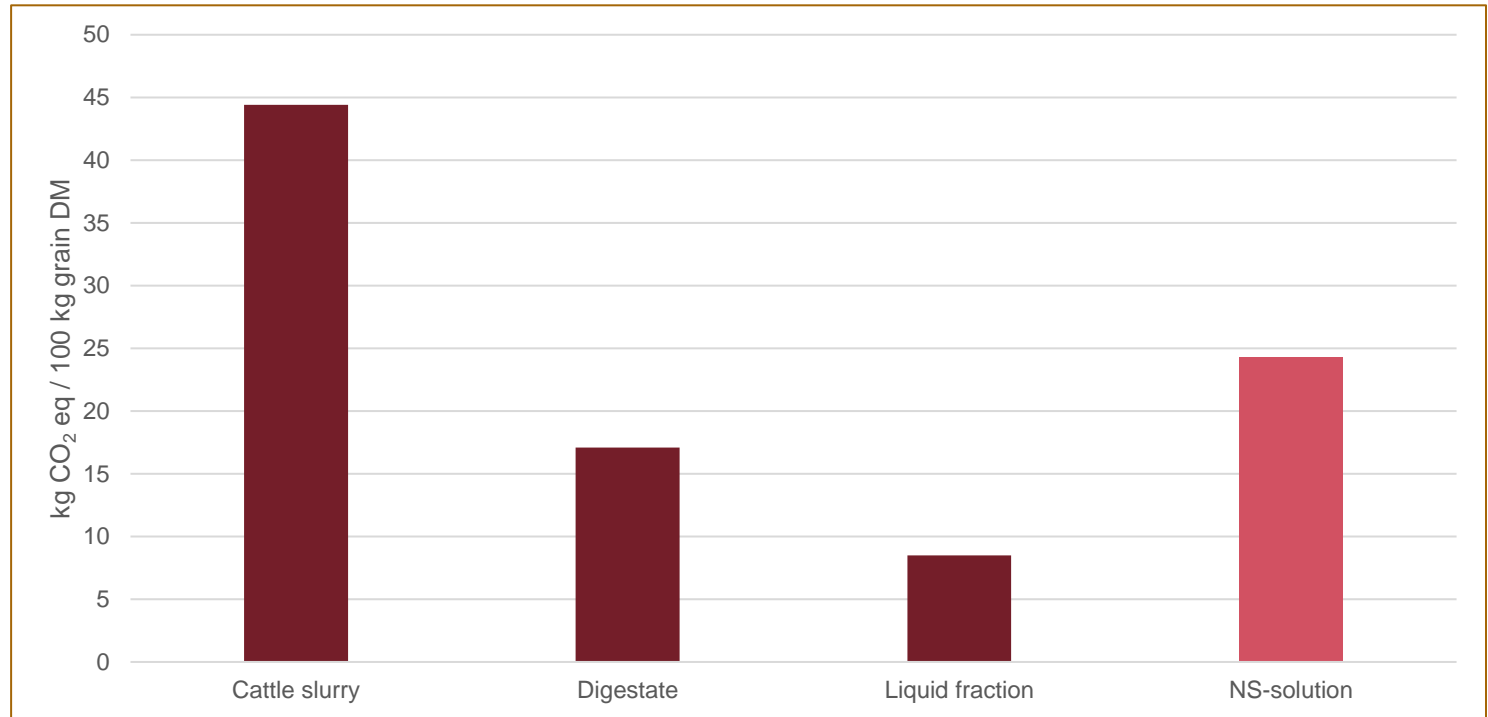
Climate smart fertilizer treatment after biogas digestion

- Biogenic nitrogen from clover grass.
- Reduction of greenhouse gases with biogas treatment.
- Catching ammonia with sulfur from the gas cleaner.



Improved overall carbon footprint

- Anaerobic digestion has a high potential for reduction of GHG emissions.
- High N-efficiency of the NS-fraction. (98%)
- Challenges with low N-concentration in the NS-solution.
 - High field emissions of N_2O due to high amount of liquid.



We are looking for techniques to further concentrate the NS-solution