

BioDriv Tinget

# “Cirkulära och närproducerade biodrivmedel”

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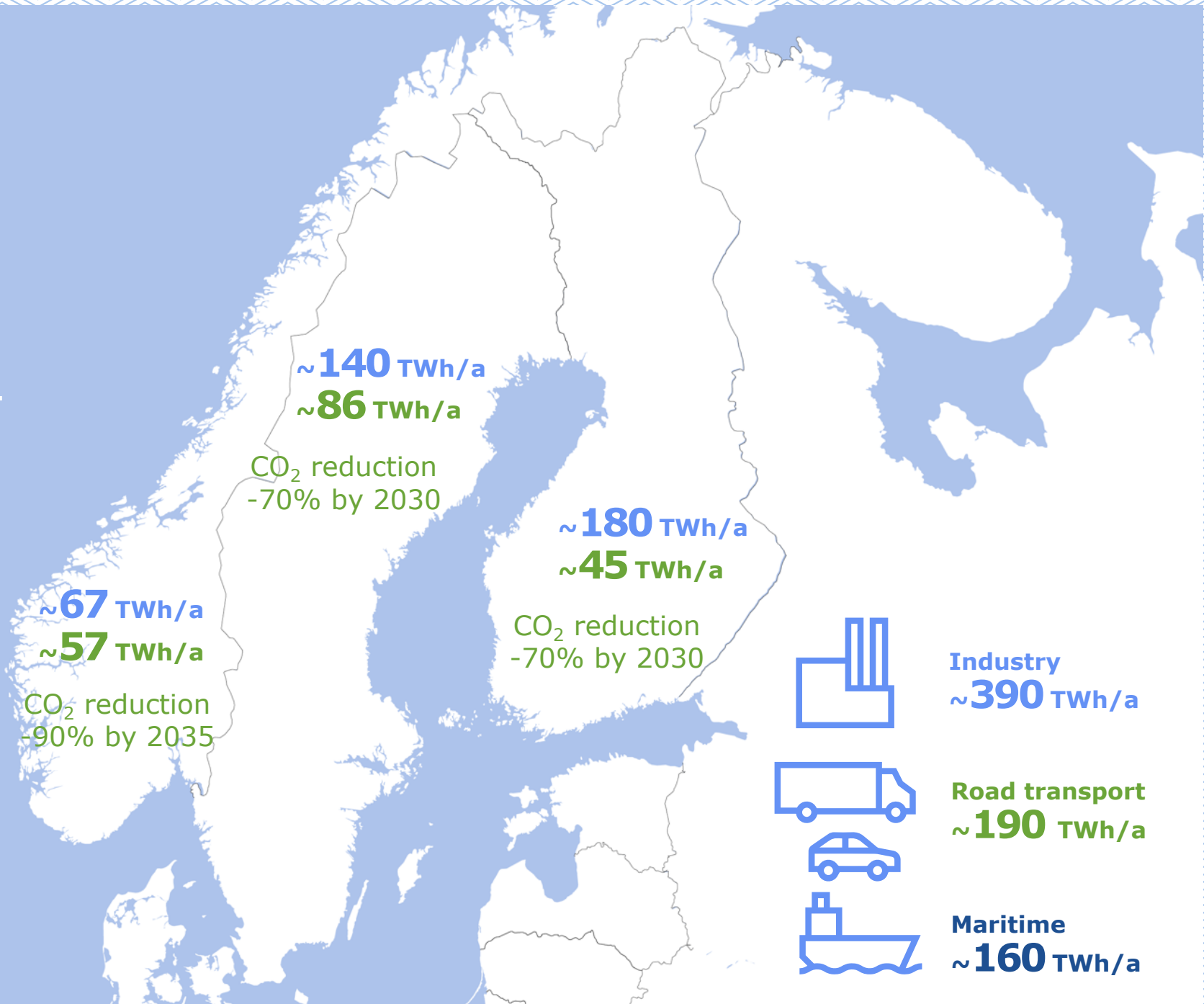
1.12.2020

**Gasum**

# OUR OPERATING ENVIRONMENT

- Fast actions are required to achieve environmental targets.
- Demand for low emission solutions is a new standard.
- Significant market potential with total energy consumption 750 TWh/a

→ Biogas serve as *enabler* for growth in gas usage



## OUR NORDIC GAS ECOSYSTEM



7 LNG-terminals



5 Bunkering vessels



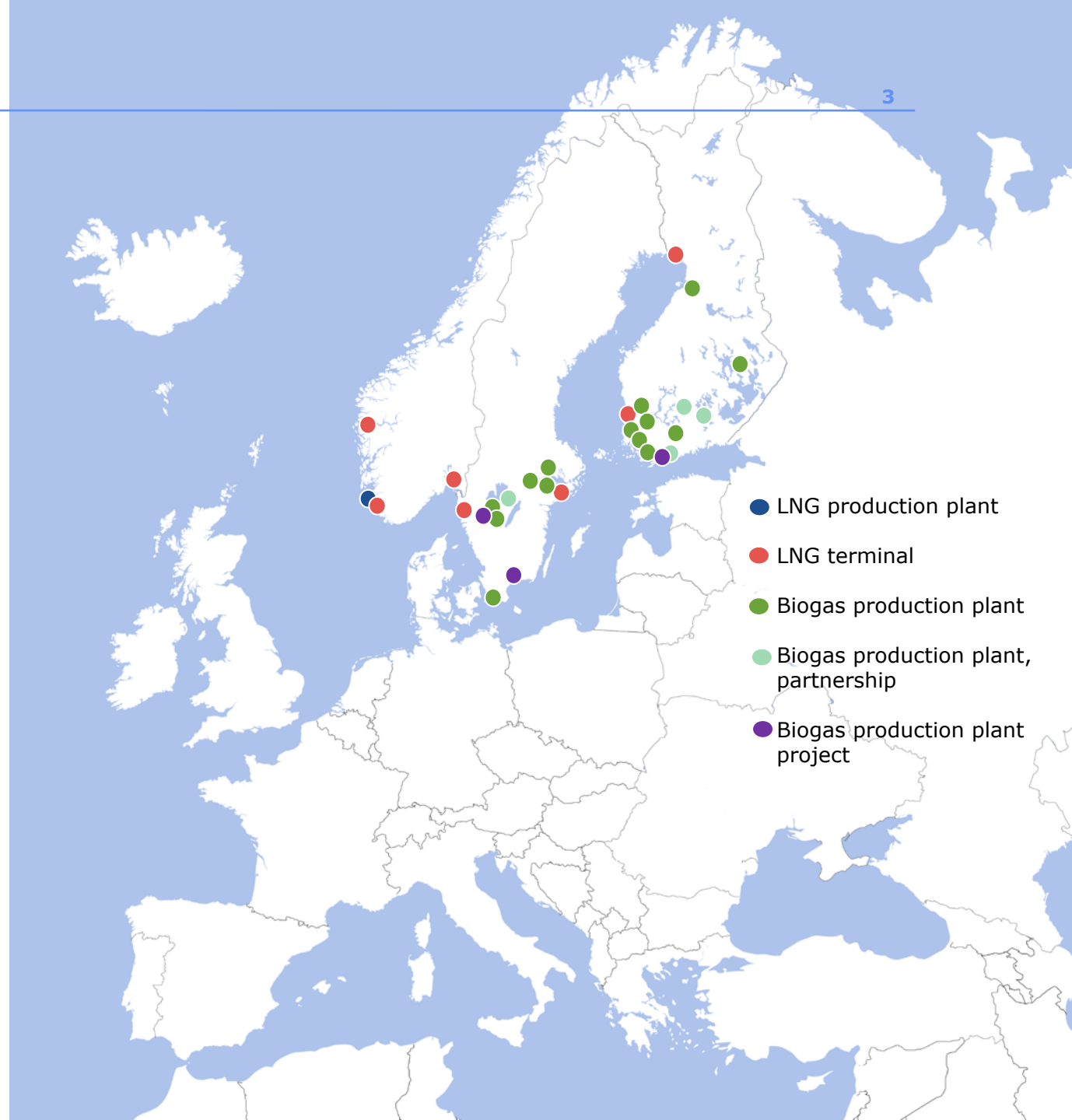
18 Biogas plants



3 Biogas plants under construction



More than 100 gas filling stations



## OUR BIOGAS PORTFOLIO



Our own biogas  
production in Finland  
and Sweden

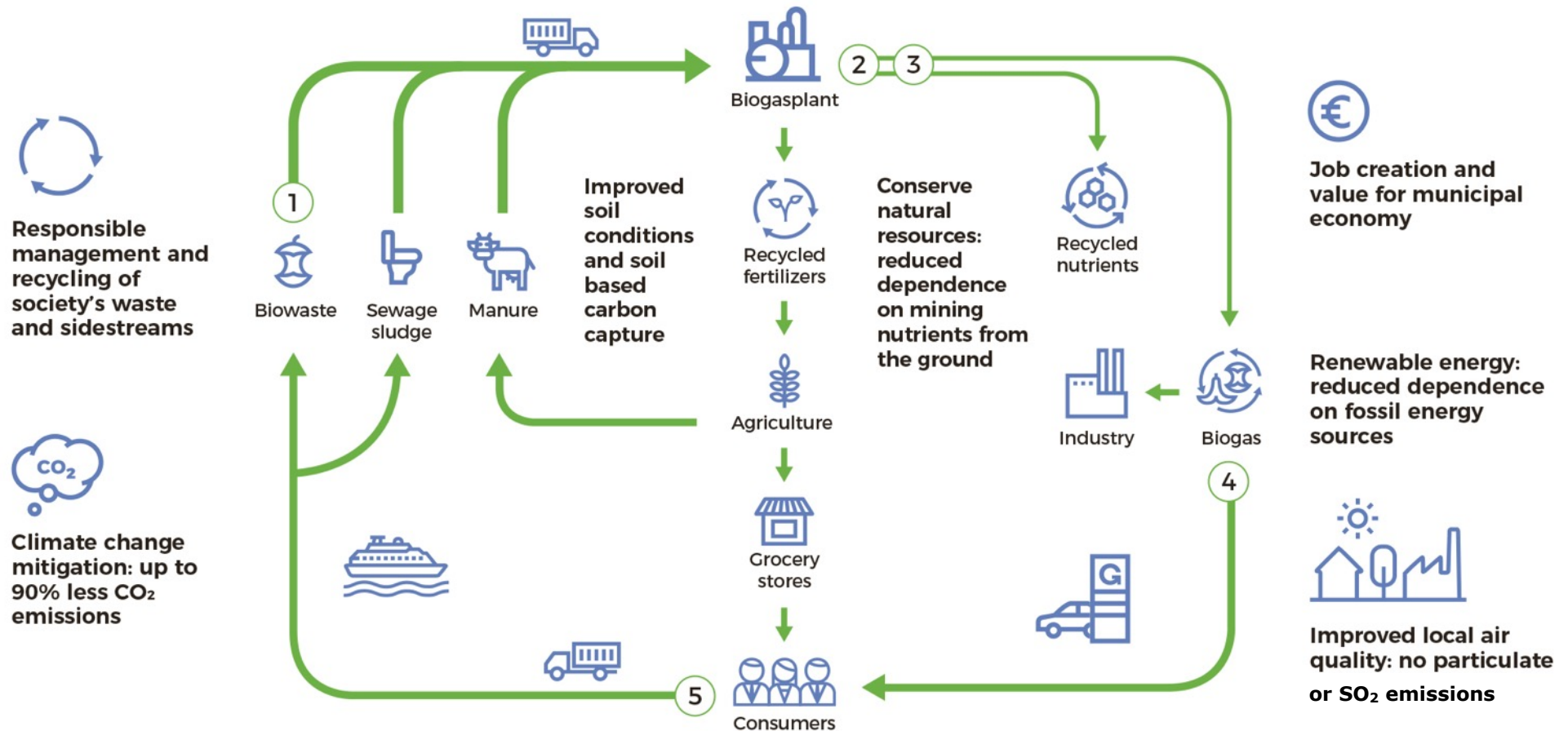


Partner plants in  
Finland, Sweden and  
Norway



Certified supply chain  
from Europe

# BIOGAS – A MODEL FOR CIRCULAR ECONOMY



## CIRCULARITY IN TURKU (FINLAND)



### Feedstock

- 130ktn/a biowaste (IKEA, City) & WW sludge

### Output

- 60 GWh/a LBG (~12 tn/day)
- Solid digestate TS 30% 30.000 tn/a & concentrate TS 15% 10.000 tn/day
- Ammonia water 4 ktn/a

### Fuels ~125 HDV with LBG



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY THE  
EUROPEAN UNION



## CIRCULARITY AT STORA ENSO NYMÖLLA (SWEDEN)



### Feedstock

- 50 000 m<sup>3</sup> WW/day

### Output

- 90 GWh/a LBG (~18,5 ton/day)

### Fuels ~180 HDV



The background features a close-up, high-speed photograph of water splashing, creating a sense of motion and energy. The water is rendered in various shades of blue and white, with sharp highlights and soft shadows. On the right side of the image, there is a vertical decorative element consisting of a series of white, overlapping, zigzag lines that create a textured, geometric pattern against the blue background.

**We have an ambition to  
deliver 4 TWh of biogas in  
the Nordics within 2024**

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