Region Kalmar County

ERRIN transport WG Alternative Fuels Infrastructure Directive, 18th of March 2021

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245 000 inhabitants 12 municipalities 11 200 sq km, 22 inh/sq km

Manufacturing industry Forestry and farming Tourism

Region Kalmar County

Publicly financed, politically controlled

Health care

Sustainable growth and development

Public transports

Overall regional goal: A fossil fuel free region 2030



(Not in TEN-T core network)







Biogas (biomethane) "The Nordic model"
Local charging infrastructure
Alternative Fuels Infrastructure Directive



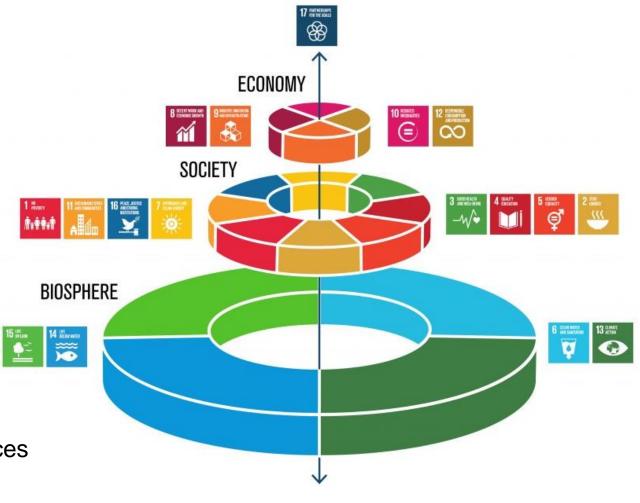
Biogas (biomethane) solutions can contribute to all of the 17 UN Sustainable Development Goals*

From our regional perspective, among else:

From waste/residuals, a circular bio-economy Decrease methane from manure Increase biofuels in transports
Better use of nutrients
Decrease eutrophication, Baltic Sea
Export of P > possible to expand, farm level
Local economy/local jobs/GRP
Resilience/self-sufficiency
Regional based company, uppgrading

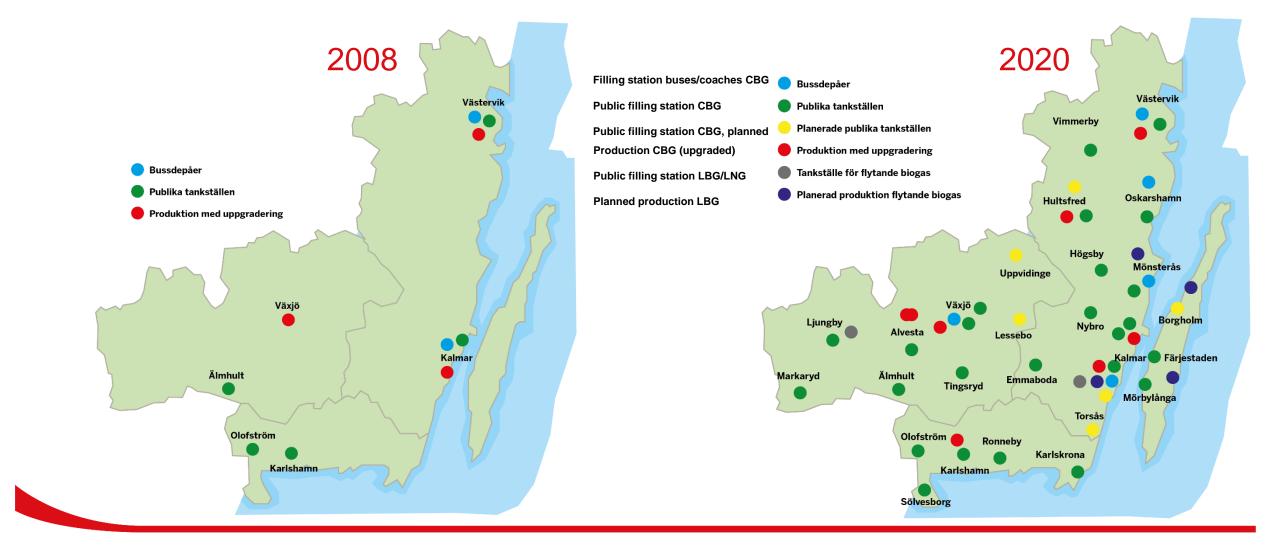
Transports:

Existing technology today, also for long distances



* The role of biogas solutions in the circular and bio-based economy. Linda Hagman, Mats Eklund, Biogas Research Center, Linköping University, 2016.





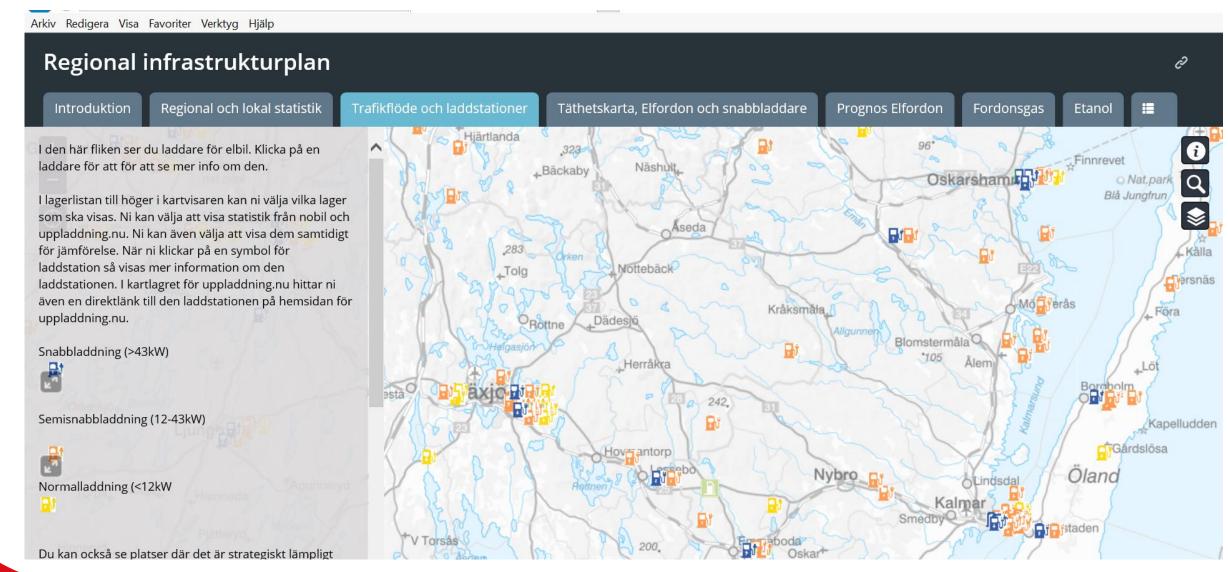
Biogas/biomethane infrastructure Southeast Sweden





Important: Political goals and public transports!





https://ext-geoportal.lansstyrelsen.se/arcgis/apps/MapSeries/index.html?appid=cb67254fc19643c4a304e32ae46a3f11

Existing infrastructure charging stations



Places to visit (destination, service point, grocery store, cafe etc.)

+

Sufficient infrastructure (grid)



200 possible places on the country-side

Business model?

Advicing/coaching SME:s









Biomethane in European countries 2020

Denmark 100%

Finland 59%

France 17%

Germany 50%

Italy 9%

Netherlands 90%

Norway 63%

Switzerland 20%

Sweden 94%

UK 67%

EUR 17%



Source: work-in-progress, BRC.

More and more biomethane in Europe





Push to increase roll out of alternative fuel infrastructure

Support different regional conditions (geography, investments done etc) and include the regional level in planning and implementation

Technology neutrality and LCA important

Biogas ≠ fossil natural gas

Infrastructure for CBG/LBG still relevant.

Need for infrastructure not only in TEN-T core network

Outside AFID: CO2 emissions for cars and vans

Alternative Fuels Infrastructure Directive





