BIOGAS SYD

ENERGIKONTOR SYD

Interreg

Öresund-Kattegat-Skagerrak

Medfinansieras av Europeiska unionen

Current trends and developments in the biogas market in southern Sweden

28th march, teams

Power Bio

Gas situation in Sweden 2023

Total gas consumption

13 TWh

+ 5 TWh LPG

Production of gas

No production of natural gas in Sweden

2.3 TWh biogas

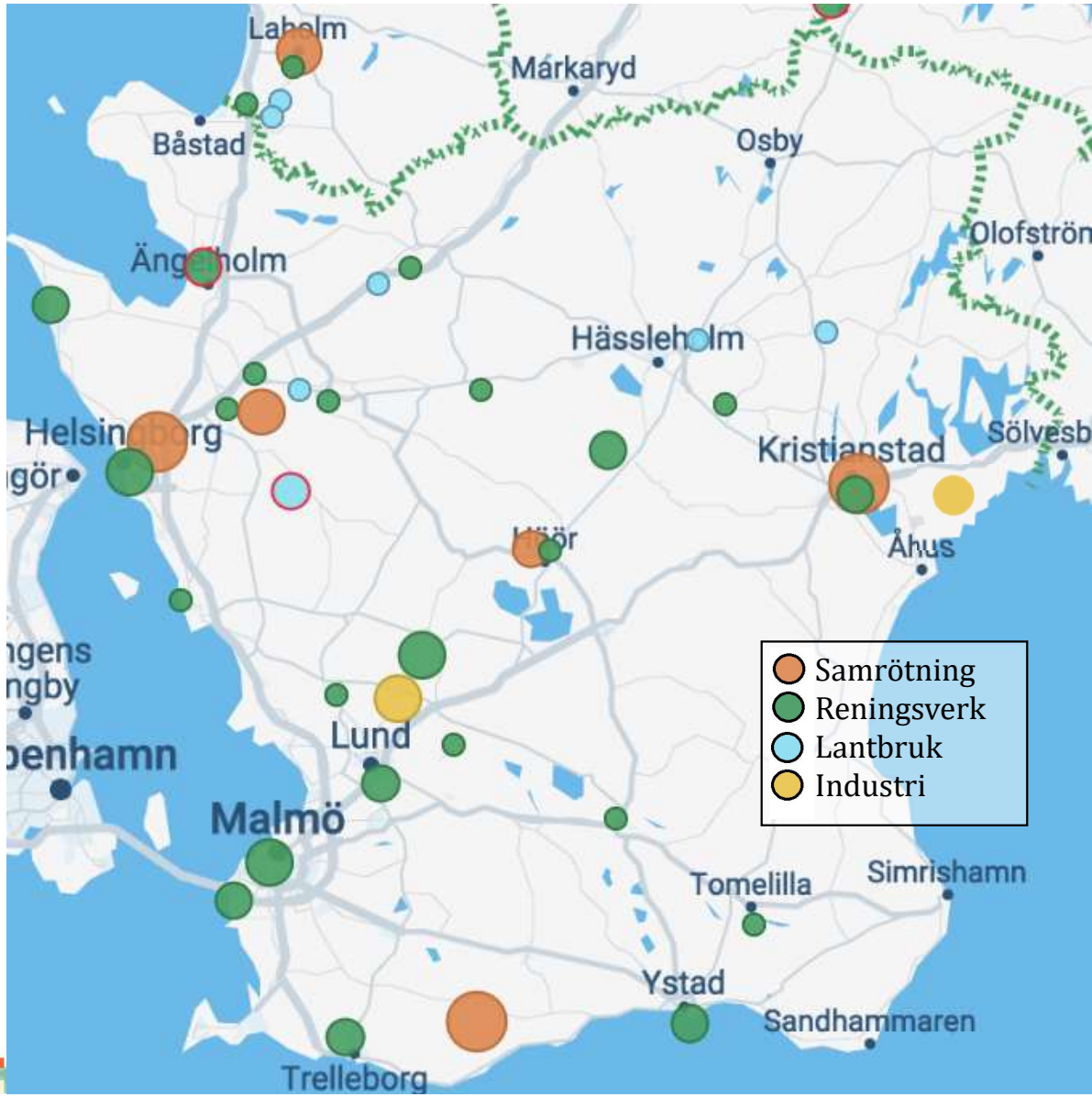
Gas gap!

Läsa mer: https://www.energigas.se/fakta-om-gas/biogas, Statistik om naturgas - Energigas Sverige och https://www.biogasresearchcenter.se/

ENERGIKONTOR SYD

Biogas production in Scania (2023)

- 434,2 GWh biogas
- 45 facilities



https://www.energimyndigheten.se/nyhetsarkiv/2024/nagot-minskad-biogasproduktion-i-sverige-under-2023/

Transition ongoing

- Biogas investments in Scania at the moment

Biogas projects in the pipeline Scania

Ongoing projects granted investment aid (Klimatklivet),

5 stora > 100 GWh:

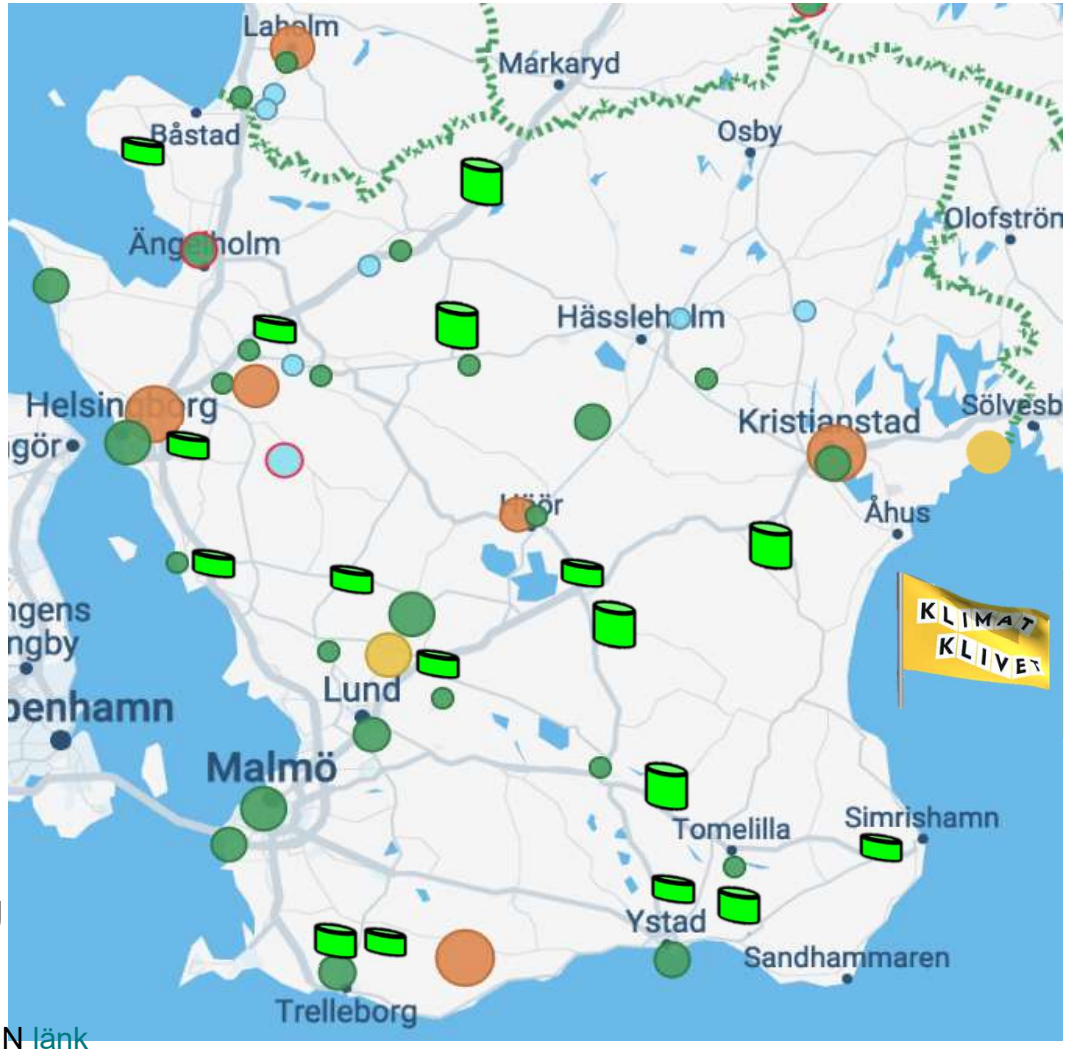
- **Skånes Fagerhult**, St1 Biokraft
- **Sjöbo,** Gasum
- **Hörby**, Gasum
- **Tollarp (Kristianstad, Redo Biogassolutions)**
- **Perstorp,** St1Biokraft

2 mellanstora 25-40 GWh

- Anderslöv (Redo Biogassolutions)
- Mats Areskoug Ystad

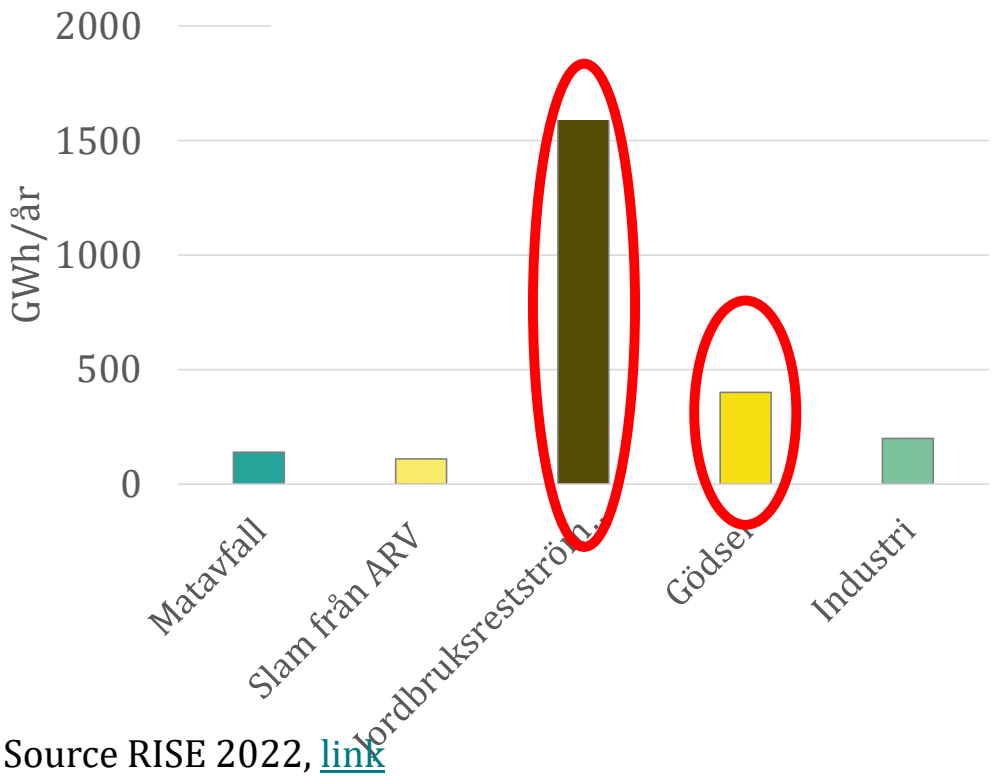
10 mindre anläggningar

OBS: ej exakt placering



Ursprungsbilden från Länstyrelsen Skåne med data från Naturvårdsverket
Uppdaterad av Energikontor Syd 2025-03-25 med aktualiserad data från NN länk

Scanias biogas potential



Source RISE 2022, link

Biomass potential study from RISE

2022 **4,5 TWh**

3 TWh/year "conventional substrates

- **Only around 400 GWh potential from manure**
- **Biomass from plants much larger share of total potential!**

1,5TWh /year

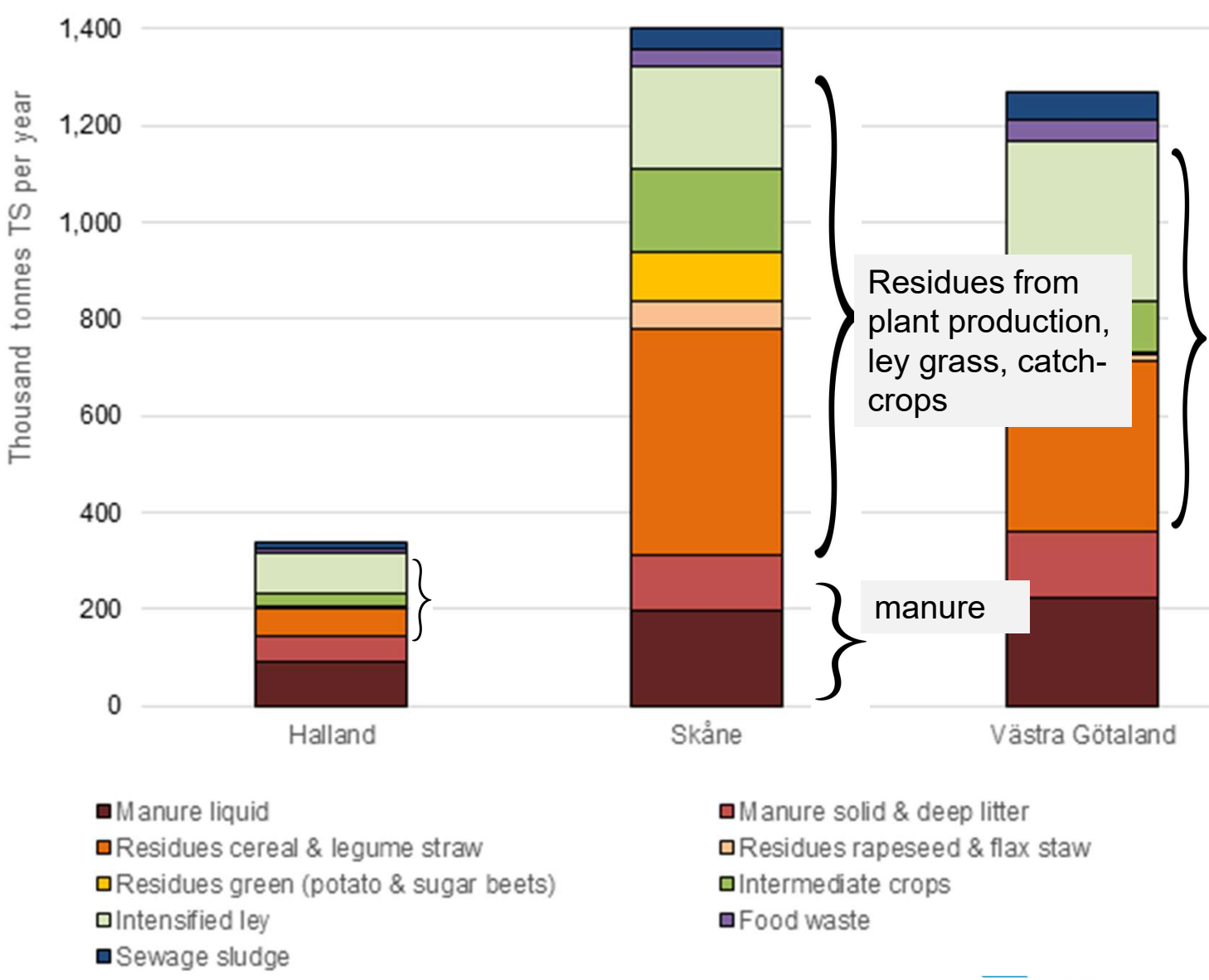
- Ley grass, grassland
- Electromethane (CO2 from biogas plants)
- Industrial process water

Biomass from sustainable intensification of agriculture not included in this calculation

BSRC –new study on biomass potential (2024)

- With more restrictive assumptions on availability / economic feasibility of collecting material
- Even in this study we see that the major potential is in agricultural residues / sustainable intensification

Total biomass potentially available for biogas production



Resultat från forskare BSRC; presenterat på nätverksträff Biogas Syd oktober 2024

Thomas Prade, Alejandro Barrios Latorre, SLU Alnarp
Natasia, Jonas Ammenberg, Karin Tonderski, Linköpings Universitet

LINKÖPING UNIVERSITY

Biogas Solutions Research Center

Take aways

- There is not enough manure to fully cover biomass demand for all planned projects
- Biogas companies are aware of this
- Other biomass needed to supplement manure
- Largest potential lies in crop residues, grassland, intercrops
- Forerunner among farmers interested in collaborating with biogas industry on new substrates

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ENERGIKONTOR SYD

Contact

Energikontor Syd, energikontorsyd.se

Kontaktperson: Sabine Täuber

070-306 24 09

sabine.tauber@energikontorsyd.se

Biogasproduktion - potential

Skåne

ca 3 TWh från anaerob rötning
från ”traditionella” substrat”

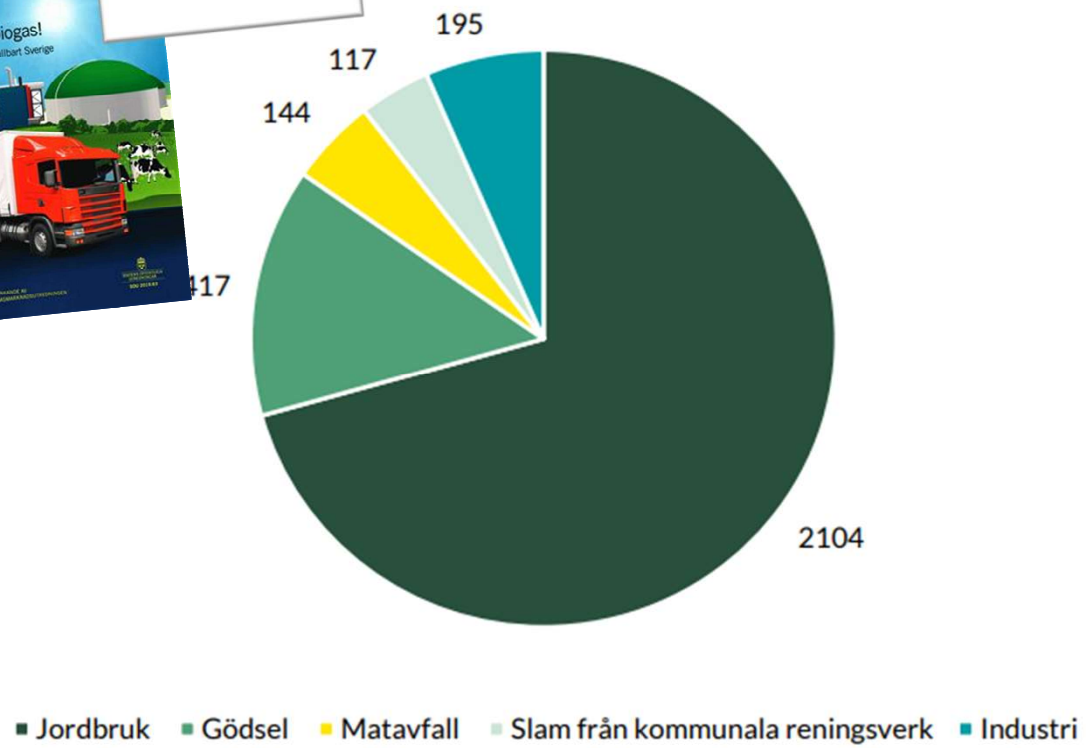
(RISE, 2022, länk):

Sverige

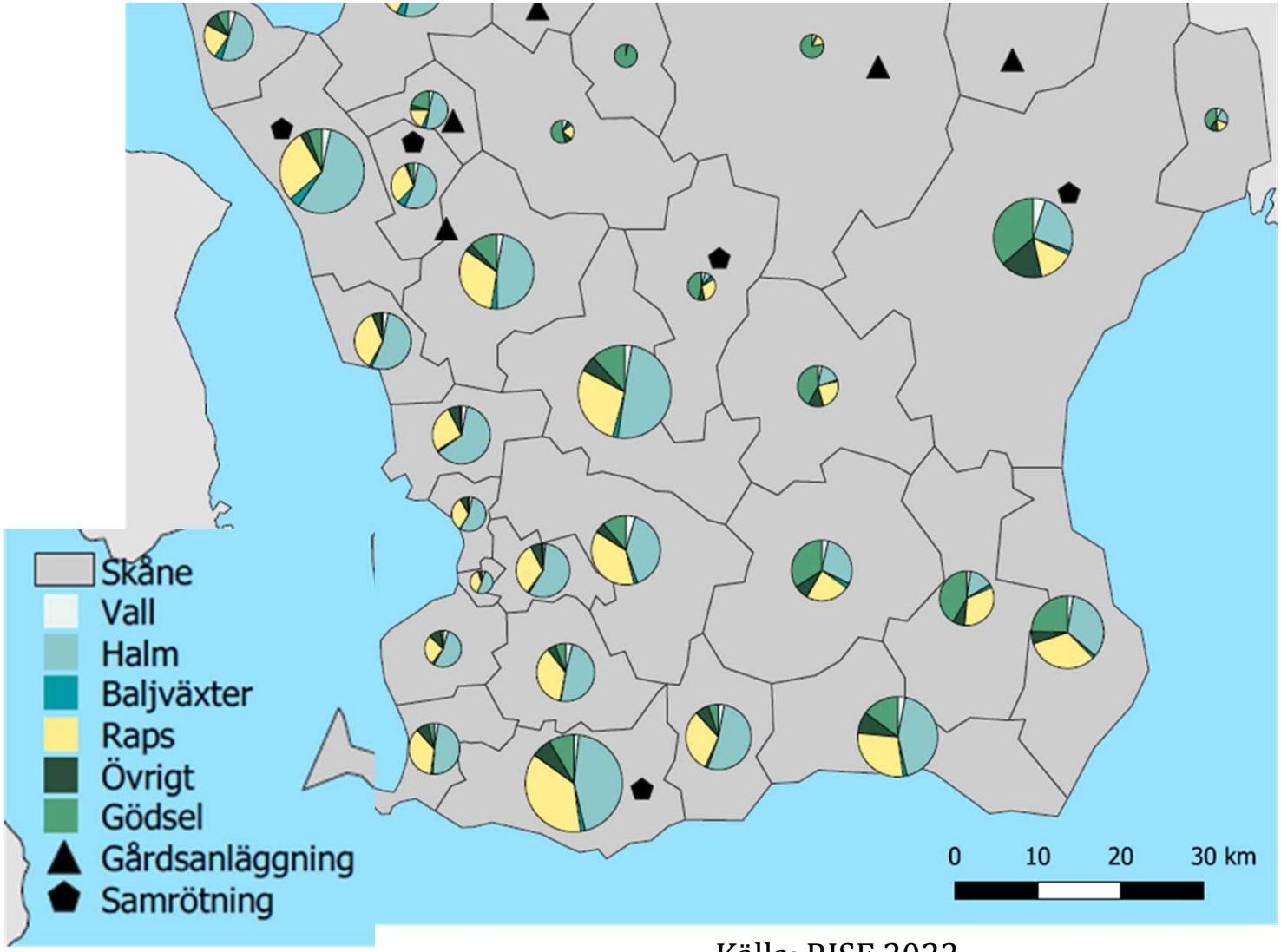
- **Anaerobe rötning 14-15 TWh**
- Förgasning av lignocellulosa mellan 16 och 22 TWh

(SOU 2019:63, länk):

Skåne: 3 TWh/år



Vart finns Substraten?



Källa: RISE 2022