

BIOGASSYS

The background of the slide is a photograph of a natural landscape. In the foreground, there are several thin, brownish reeds or grasses. Below them is a low wall made of smooth, grey stones. In the middle ground, a calm body of water, likely a lake or a wide river, stretches across the frame. The far bank is lined with a dense forest of green trees. The sky is a pale, overcast blue with soft, white clouds.

Per-Johan Wik, Skåne Energy Agency

2011-04-13

Skåne Energy Agency

- who we are:

- A regional energy agency in south of Sweden and part of the Association of Local Authorities in Skåne (33 municipalities)
- Independent and non-profit
- Target groups: private persons, organisations, municipalities, SMEs
- Project financed, some support from the national energy agency
- Local, regional, national and international level





BIOGASSYS

Biogas Skåne –an energy system creating sustainable development by combating climate change

EC program LIFE+

2010-09-01 to 2015-08-31

Total budget 2 846 312 €

EC rate of co-financing: 45,95 %





BIOGASSYS

7 partners

Coordinator: Biogas Syd (Skåne Association of Local Authorities/Skåne Energy Agency)

Partners: City of Malmö, E.ON, Lunds University, Scania Biofuel Company, City of Trelleborg, WSP Group





Background and targets:

- Biogas is an important tool to limit emissions of greenhouse gases.
- Biogas has a potential to become a competitive fuel in the European fuel mix.
- To demonstrate the Swedish biogas model of the whole lifecycle chain.
- To stress the possibilities of economical and environmental gain in the whole biogas lifecycle chain
- Show innovative applications and European best practice of biogas



Project main work packages:

1. Developing decision making tools for the establishment and expanding of biogas production and consumption
2. Identify best practice and demonstration of production and related processes
3. Develop and demonstrate new applications for biogas
4. Consumption of biogas
5. Establishment of a biogas centre of excellence



Expected results:

- Less emissions of greenhouse gases
- Increased production of biogas in Skåne
- Increased consumption of biogas and more biogas fuelled vehicles on the market
- Spreading of the lifecycle approach to biogas used in Skåne to new areas and regions.
- Skåne known as a knowledge- and information centre about biogas, in Europe



WP1 –Tools for planning (Biogas Syd)

- GIS-based planning tool for spatial planning in lay out plan
- GIS-based planning tool for assessment of environmental effects from biogas production
- Compilation of data and analysis in a biogas guide for Skåne

2011-04-18

Biogassys kickoff



TRELLEBORGS KOMMUN



BIOBRÄNSLEBOLAGET

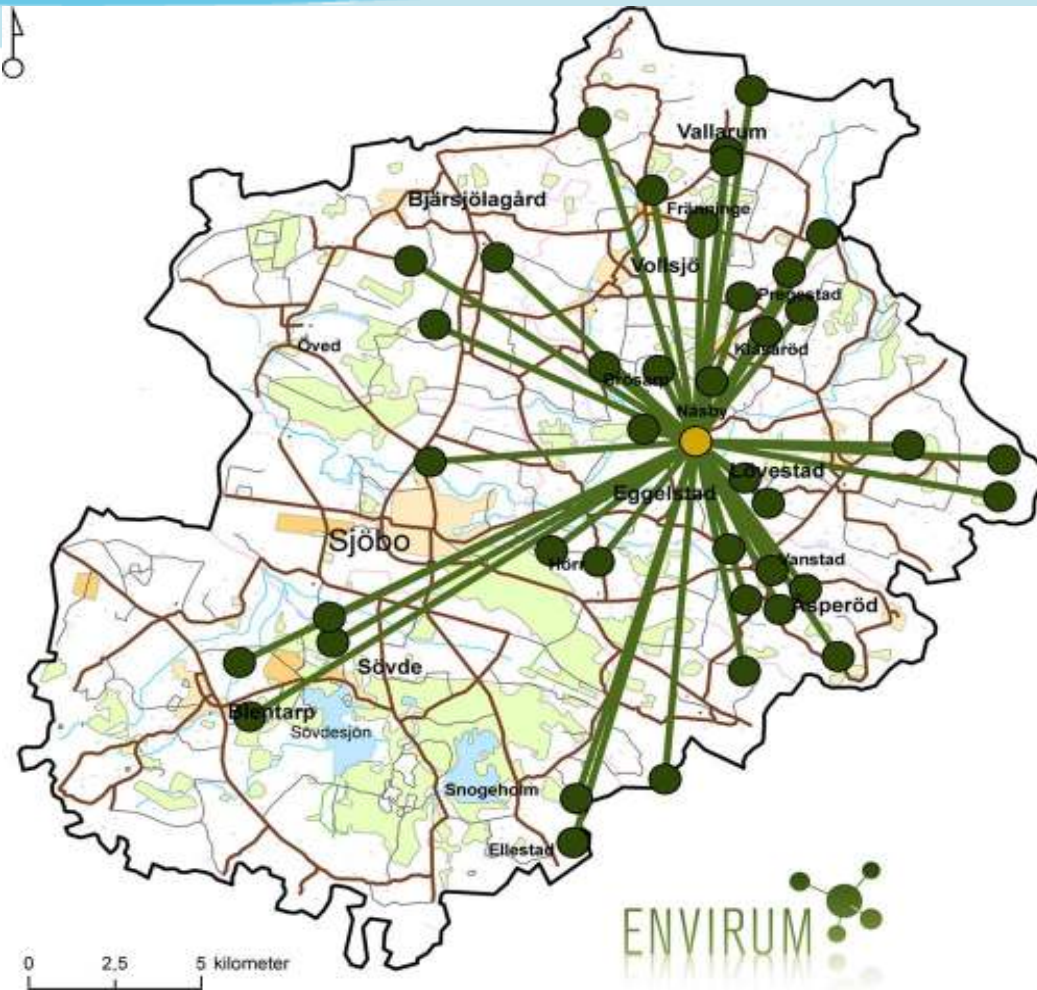


e-on



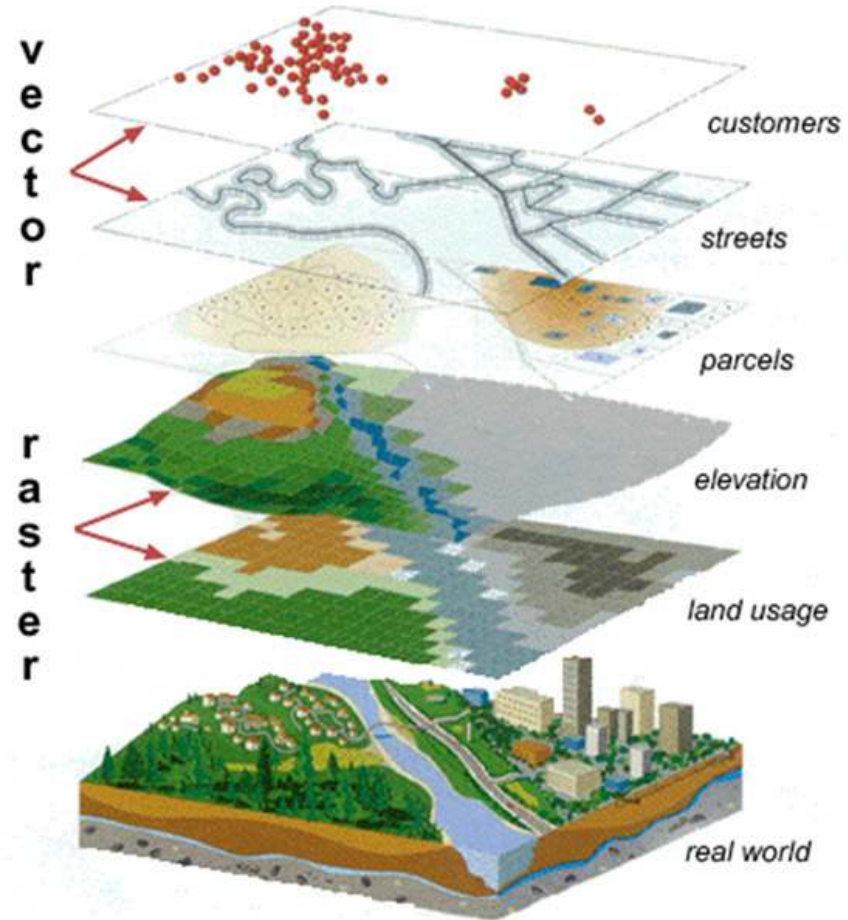


Example of distance to raw material from production facility





- **Combine different information layers**





WP2 – Best practice (WSP)

- Best practice and demonstration regarding biogas production and related processes
- Technology, economy and environmental analysis of pre-treatment, co-fermentation and use of bio fertilisers
- Promote the use of bio fertiliser in Skåne through a certain communication project



WP3 –New applications (E.ON)

•Analyse and demonstrate new applications for biogas such as:

- Trucks
- Tractor
- Ferries
- micro CHP



WP4 – Biogas consumption (Malmö)

- Study regarding new technical possibilities to increase biogas consumption in Skåne
- Identify new consumers, reach out to distributors and ambassadors
- Biogas campaign in Malmö:
 - Offer test-drive of biogas fuelled vehicles
 - Biogas race
 - Other events
 - Information materials



WP5 – Biogas Centre (Trelleborg)

- Spread information and knowledge about biogas life cycle chain concept in Skåne
- Arrange a permanent exhibition and host seminars about biogas in the biogas centre
- Arrange study tours and technical visits with start of point from the centre