Country report
Sweden
Summary of AD Plants (2008)

- Agriculture: 8, production: 15 GWh
- Industrial: 4, production: 130 GWh
- Sewage sludge: 140, production: 605 GWh
- Municipal (biowaste, codigestion): 17, production: 240 GWh
- Landfill: 60, production: 369 GWh

Total: 227, production 1359 GWh
Summary of Up-grading Plants

- In Sweden today:
  - Water scrubber (27)
  - PSA (7)
  - Chemical absorption (4)
- In the near future:
  - Cryogenic
Trends

Trends in numbers of AD Plants:

[Graph showing data with years 2007 to 2014 and GWh on the y-axis.]

Estimation done by Energigas Sverige

Trends in numbers of Up-grading Plants:

Some new plants are being built now.
Summary of Gas Production Data

- Raw biogas production: 1359 GWh
- Electricity production: 59 GWh
- Amount of heat recovered: 720 GWh (including losses and heating of biogas plants)
- Up-graded to biomethane
  - amount injected to natural gas pipeline: 133 GWh
  - amount used as vehicle fuel: 333 GWh
Economic Support Data

- Green certificates
- No tax
- Investment grants:
  Agricultural biogas production
  Industrial biogas production
A biogas strategy will be presented in June this year. Much debate about the content that so far has been available...
Research activities

SGC projects within the biogas field:

- Upgrading of landfill gas
- Upgrading of digestate
- Struvite production from digestate
- Pre-treatment of source separated household waste
- Two-stage digestion
- Food waste disposer for waste from restaurants
- Biogas characterization
- Biogas from lignocellulose
- Collection of substrate for biogas production by food waste
dispenser for households
- Dry digestion
- Handbook for BMP-measurements
- Methane emission measurements
Tanks for the attention