

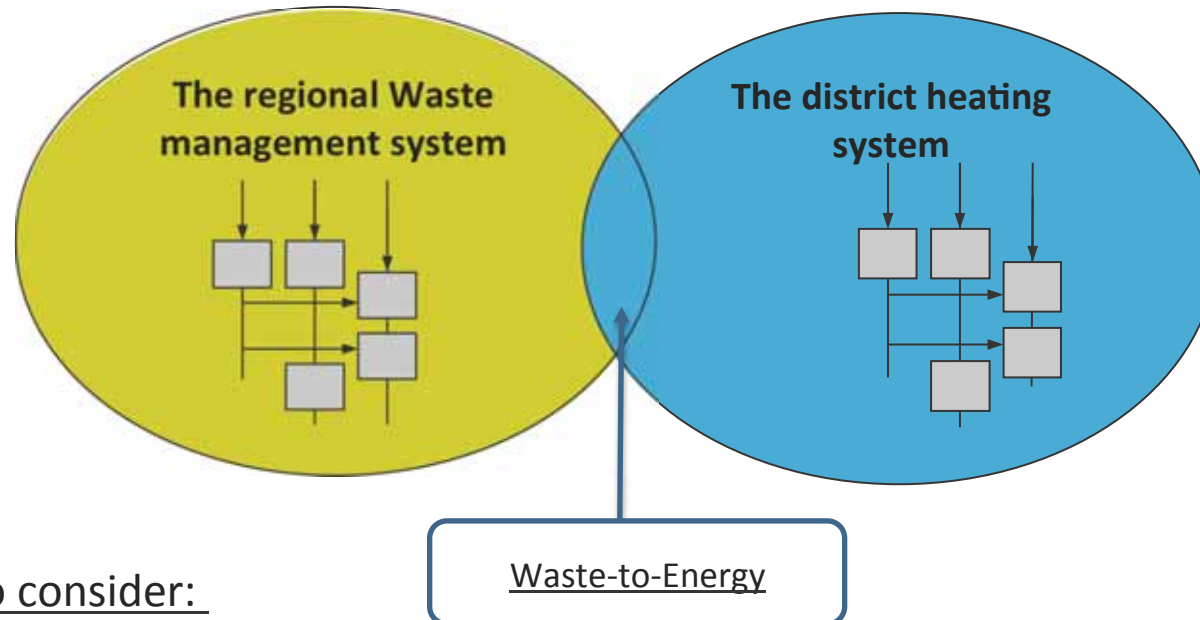
A complex picture:

Waste-to-Energy in the context of waste management and energy recovery

ISWA BEACON Conference 2015 Malmö
Jenny Sahlin, Profu

The complex reality

System in focus



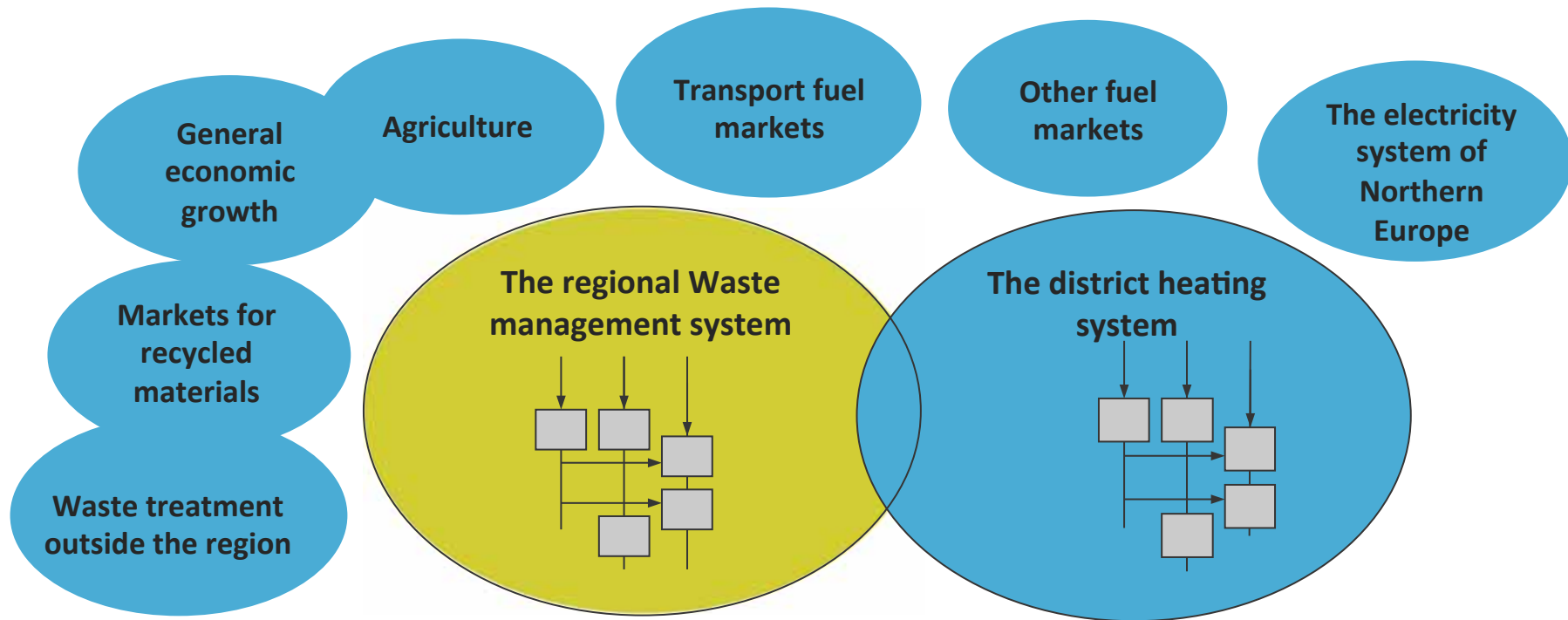
Aspects to consider:

- Environmental
- Technological
- Economic

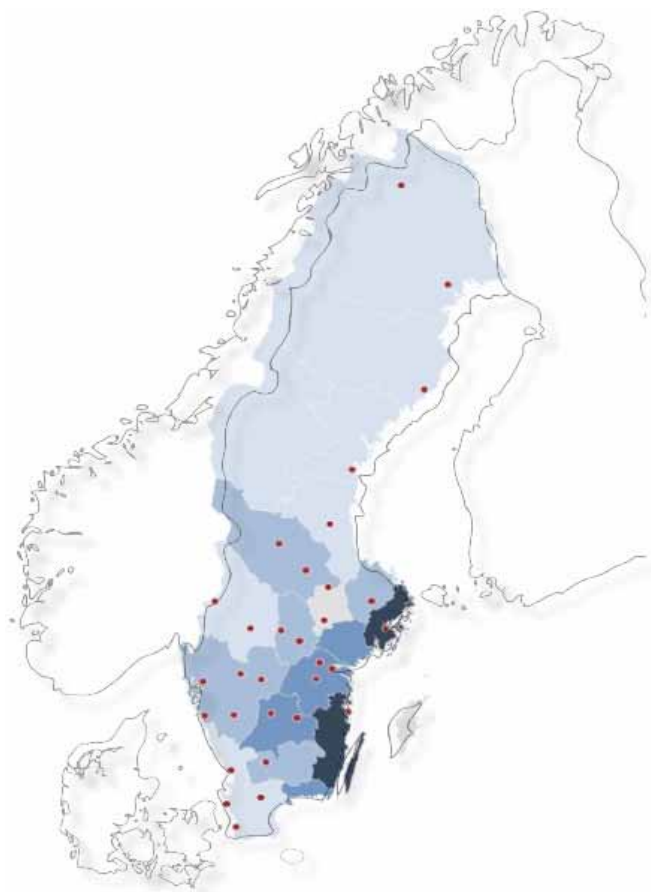
- Social
- Political
- Emotional
- More

The complex reality

System in focus and interactions with external systems



Waste-to-energy in Sweden



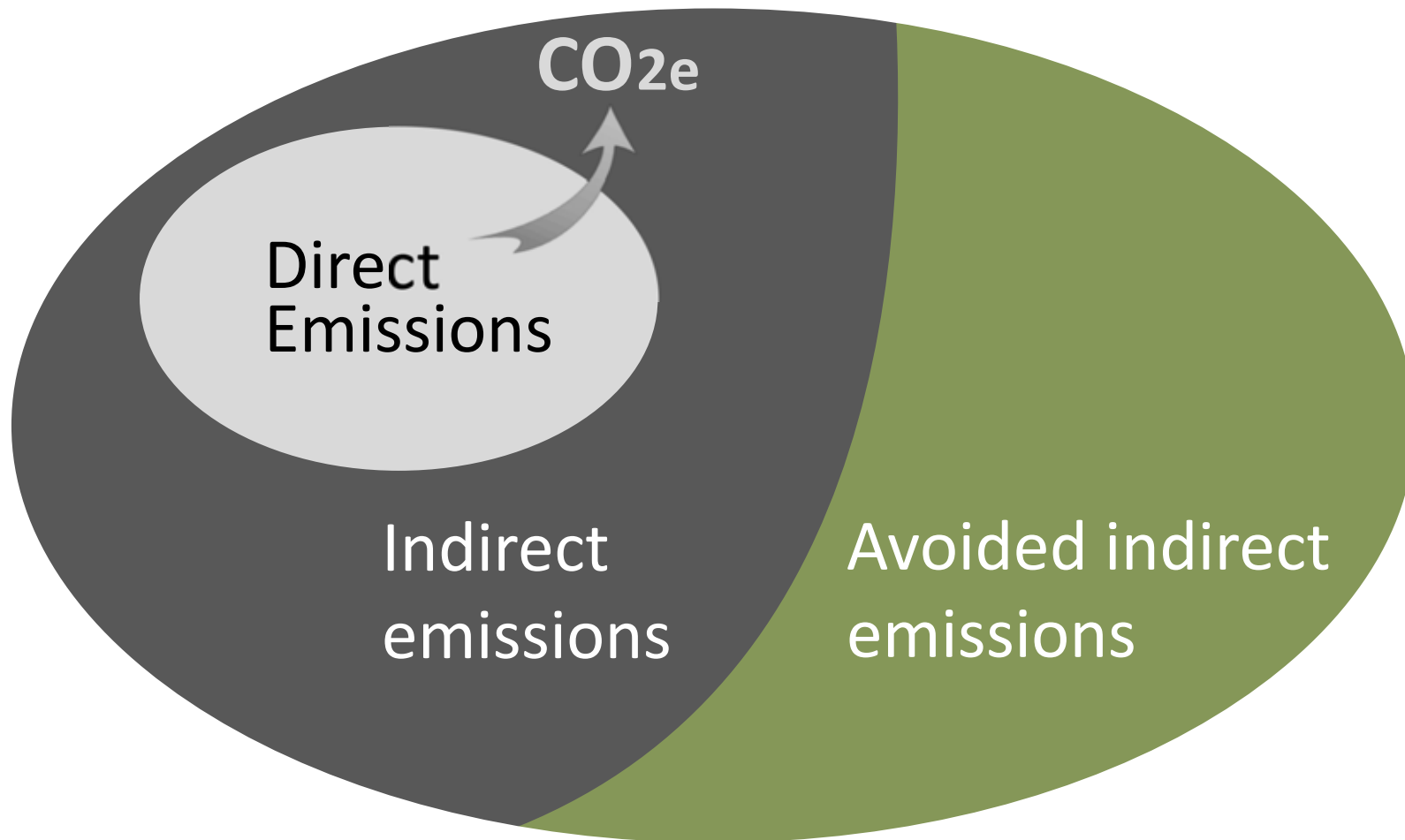


ClimateReport

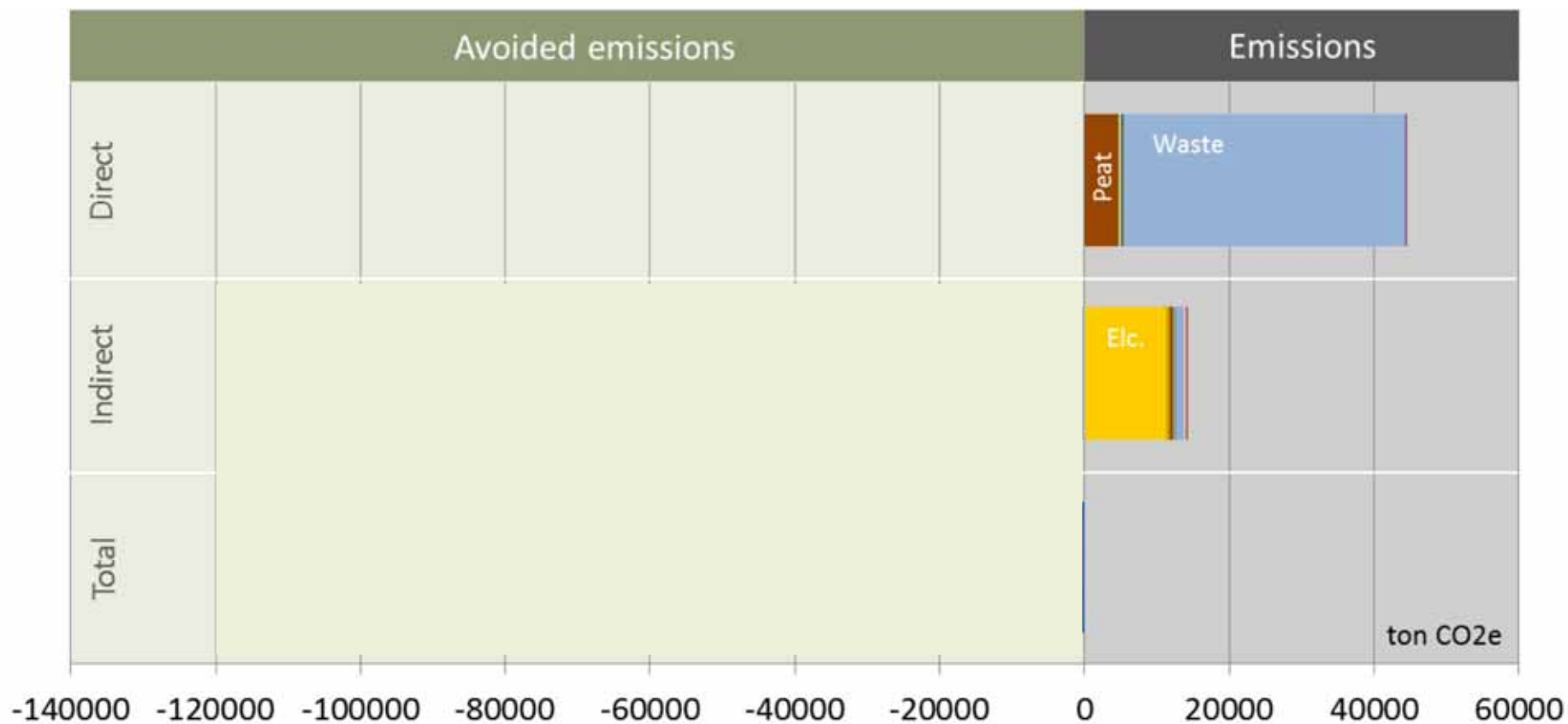
for energy companies

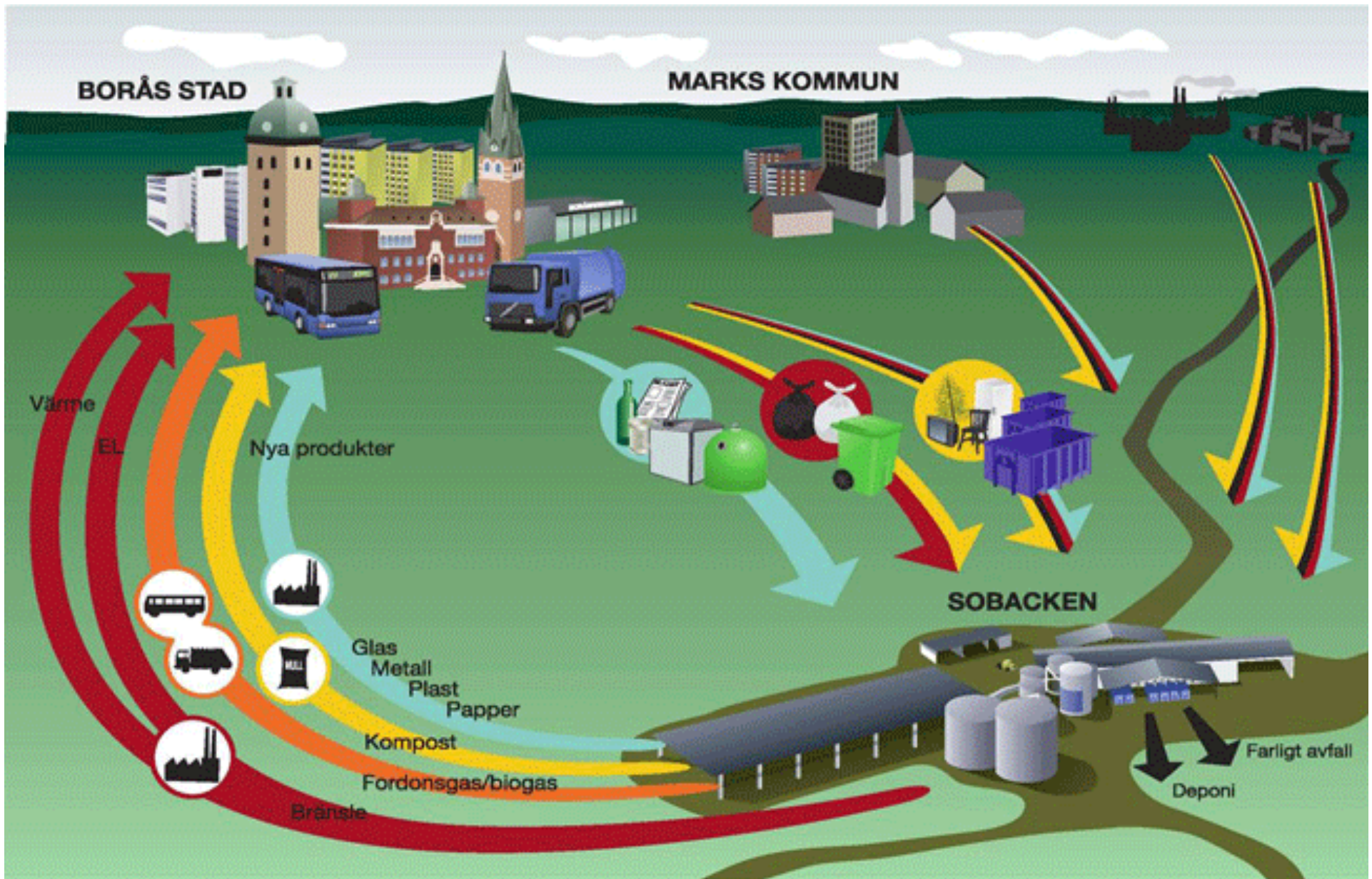
- One example of the *Climate report* of energy company (Greenhouse gas emissions disclosure, Klimatbokslut)
- Regular measurement and accounting of *the company's climate impact* according to the GHG Protocol
- Reveal impacts and examine measurements for CO₂e reduction
- The report discloses the total impact including *avoided emissions*
- *Communication* towards customers and authorities.

System in focus



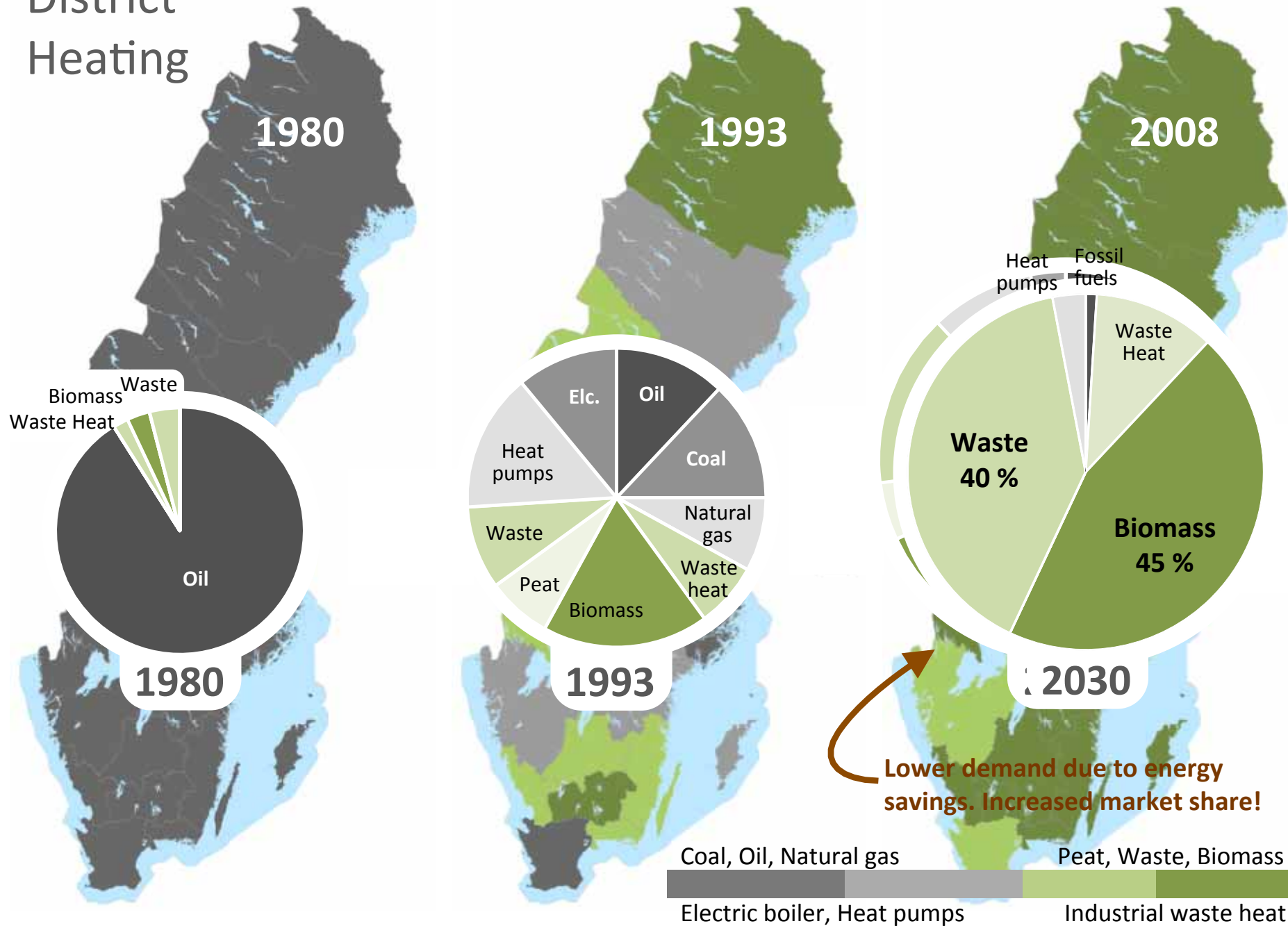
Climate Impact 2014



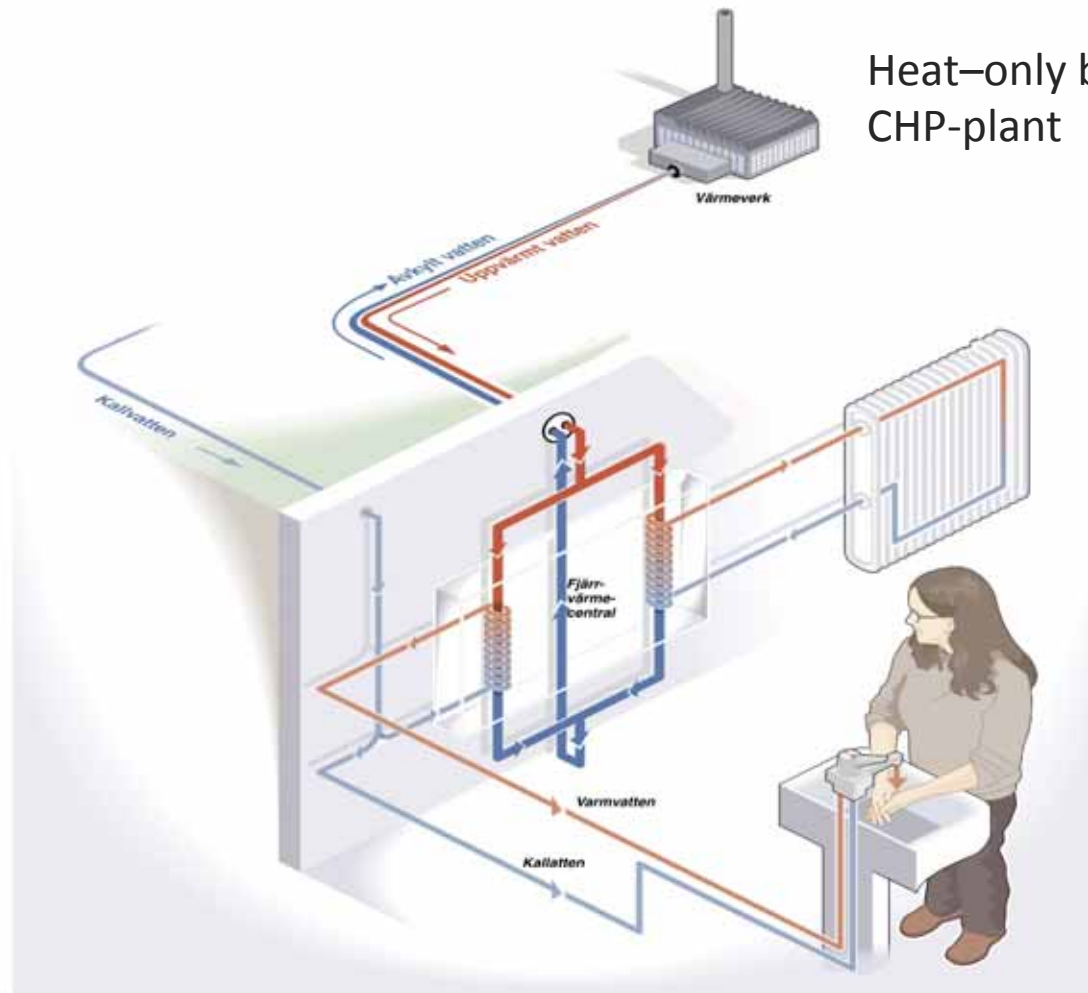


Source: Borås Energi och Miljö

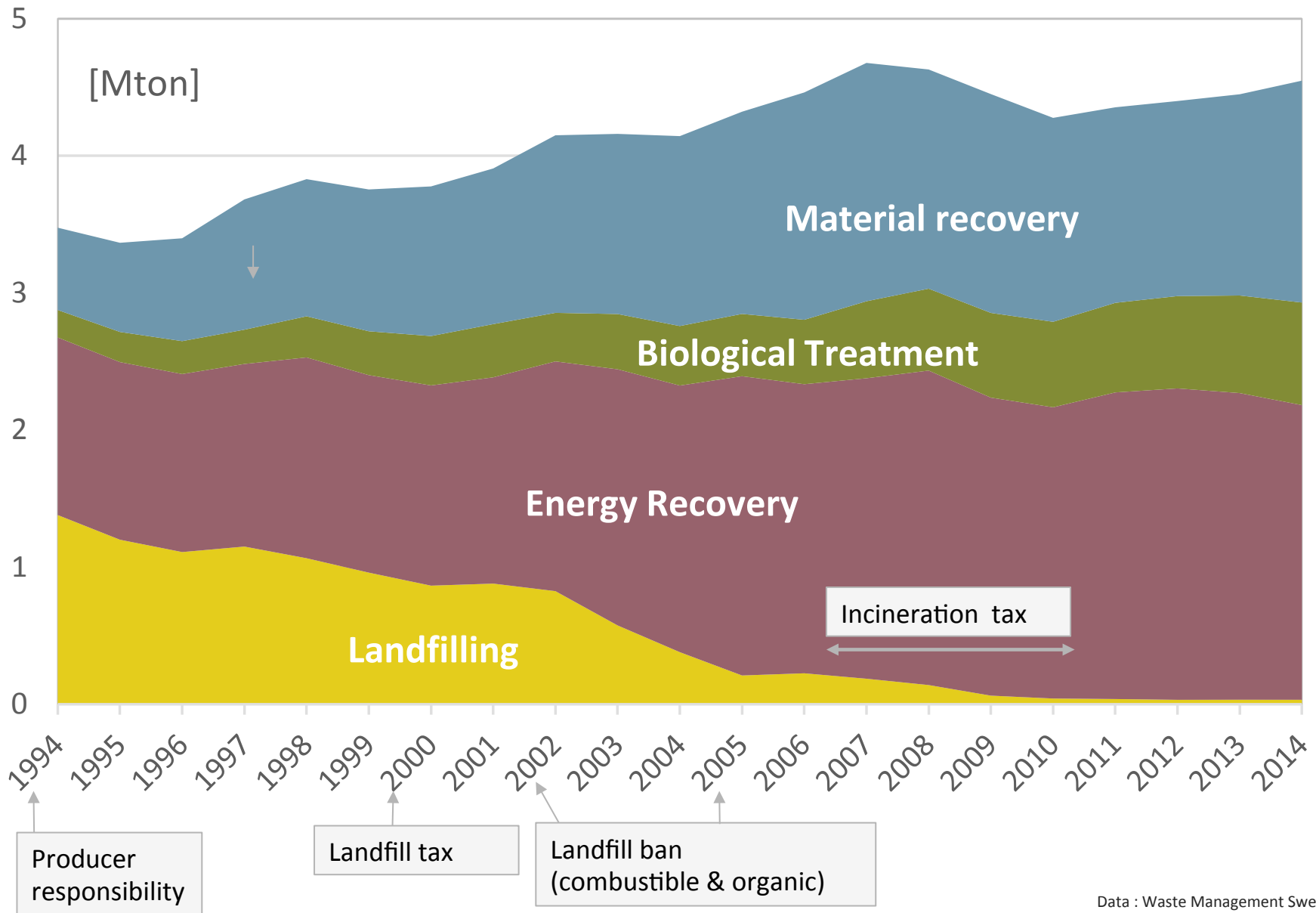
District Heating



District heating



MSW treatment in Sweden



MSW Göteborg

(2008)

Facts:

Total quantity of MSW during one year in the Ullevi football stadium

76 % energy recovery
22 % material recycling
2 % biological treatment

Data:

Weight: 230 400 tonnes
Volume: 1680 000 m³
Height: 170 m hög





Thank you

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