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Quarterly emissions to air by industry **SEEA in Sweden**











Viveka Palm **Statistics Sweden**

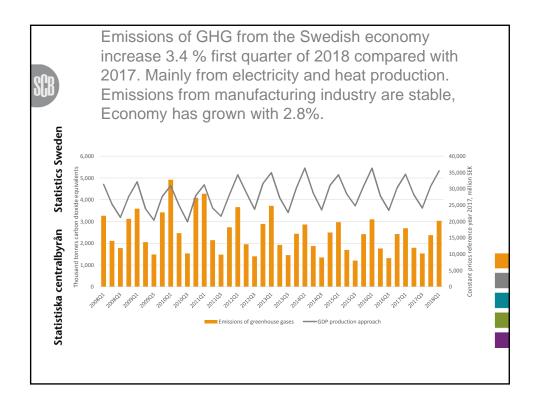


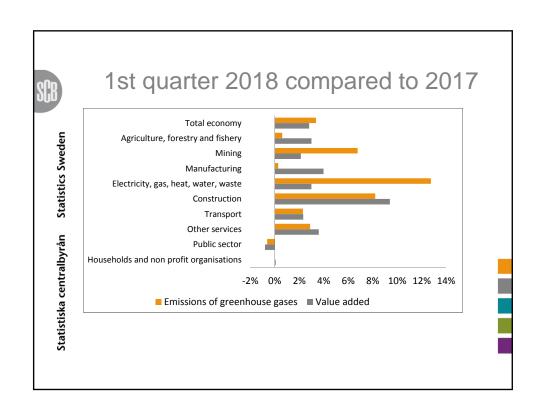
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Quarterly statistics since 2015, time series starts 2008

- · A lot of interest from analysts, researchers, iournalists
- One of the few environmental statistics that are published more often than yearly
- Big change from earlier situation when there was a lag of nearly 2 years
- Based on quarterly and monthly energy statistics, as well as the quarterly national accounts data and the data from the yearly SEEA emission accounts.







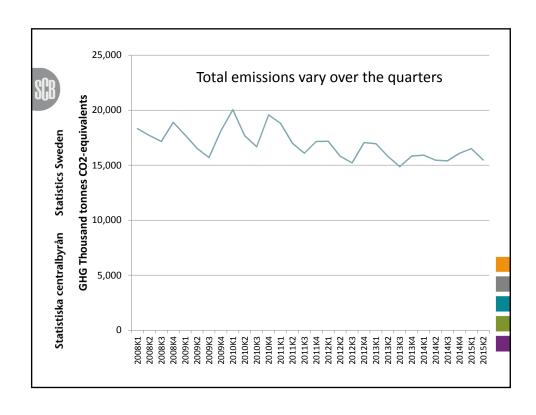
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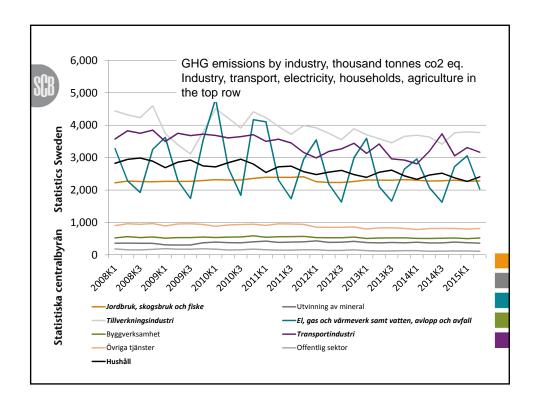
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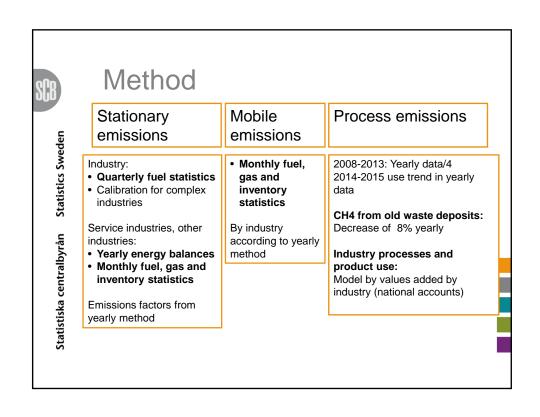
Results are published in

• Press release: sum of green house gases (fossil CO₂, CH₄, N₂O and F-gas)

- www.scb.se/MI1301
- Database: greenhouse gases and other emissions to air









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Quality asessment

- Good fit with yearly official statistics from SEEA (by industry) and by territory calculations (for UNFCCC)
- Amount of data from quarterly or monthly statistics for GHG emissions:

Bransch	Medel 2014K3-2015K2
A01-A03 agriculture, forestry and fishing	23%
Q86 health sector	32%
C27 industry electrical apparatus	34%
C22-C23 rubber and plastic industry	40%
C24-C25 steel- and metal industry	47%
B05-B09 mineral industry	62%
C19-C21 refineries, chemicals	67%
Total/Mean by industry	74%
D35-E39 electricity, gas and heat	77%

Other industries have 89% or higher



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Conclusions

- Quarterly statistics increase the general knowledge about the underlying factors for the emissions
- Weather and economic cycles show in the trends
- Emissions can decrease through fuel changes and more efficient fuel use.
- Industries vary in the relation economic output and emissions