

Consumption-based accounting – Implications for Policy

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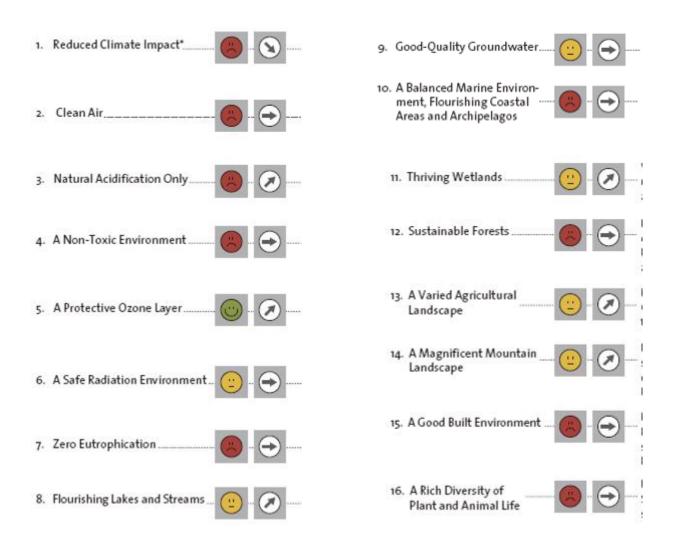
Andreas Carlgren Miljöminister

One Tonne Life

Swedish Consumption and the Global Environment



Swedish Environmental Ouality Objective System



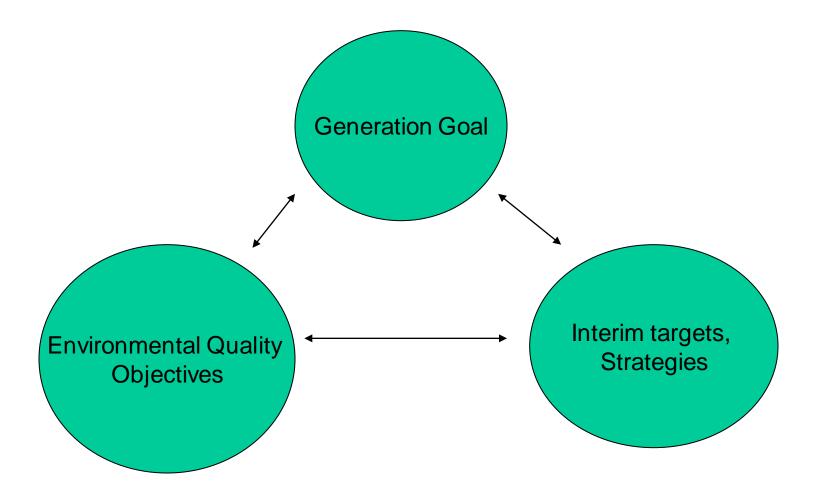
www.miljomal.nu

New Bill 2010: Sweden's Environmental Objectives



For More Effective Environmental Action (2009/10:155)

Swedish Environmental Quality Objectives



NEXT GENERATION 2020

The overall goal for the Swedish Environmental Quality Objective System is to hand over to the next generation a society in which the major environmental problems in Sweden has been solved without increasing environmental and health problems outside Sweden's borders.

Environmental pressures arising from consumption more clearly included

•Patterns of consumption of goods and services cause the least possible environmental and health impact

FIGURE 3. Greenhouse gas emissions (million tonnes of carbon dioxide equivalent)

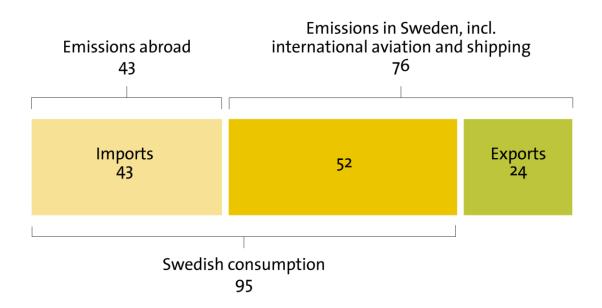
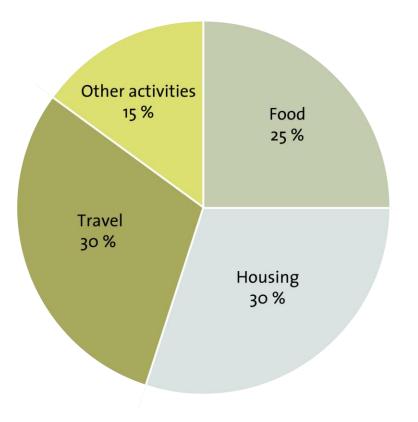
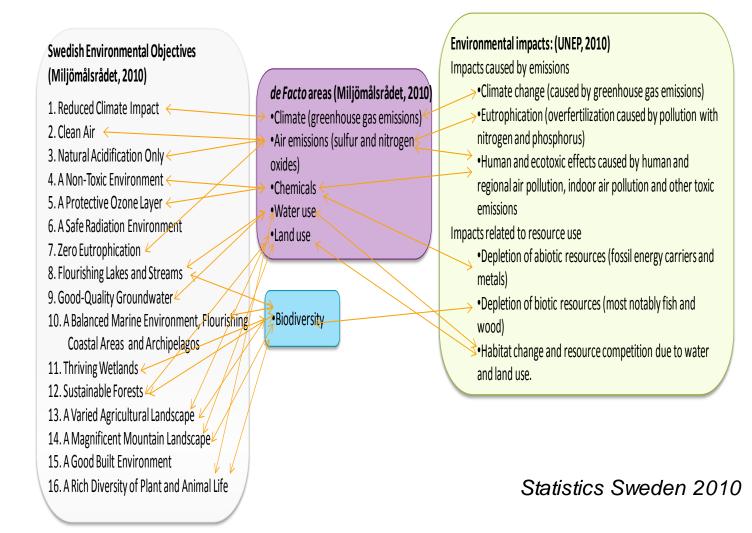


FIGURE 5. Greenhouse gases from private consumption



Global environmental impact from Swedish Consumption



How to follow up – new indicators are being developed

Methods to assess global environmental impacts from Swedish consumption ^{Synthesis report of methods, studies}

REPORT 6395 • DECEMBER 201

http://www.naturvard sverket.se/Documents /publikationer/978-91-620-6395-5.pdf

Main purpose

• Compile methods used for assessment of environmental impacts in other countries caused by Swedish consumption

• Description of the methods, their strengths and weaknesses and evaluate where gaps in data or knowledge are foreseen

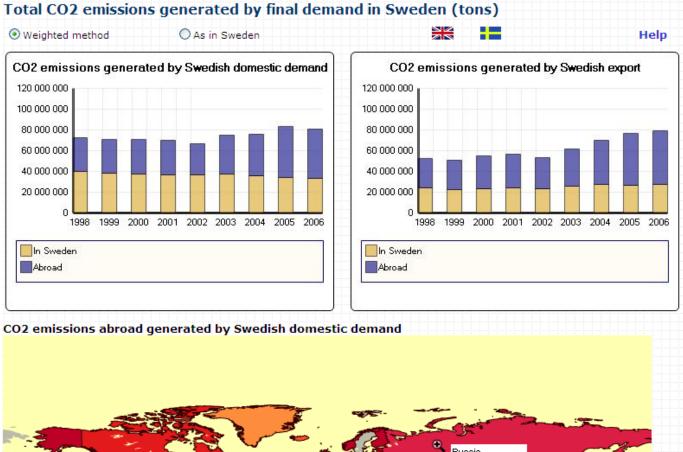
Areas of assessment – what's possible ?

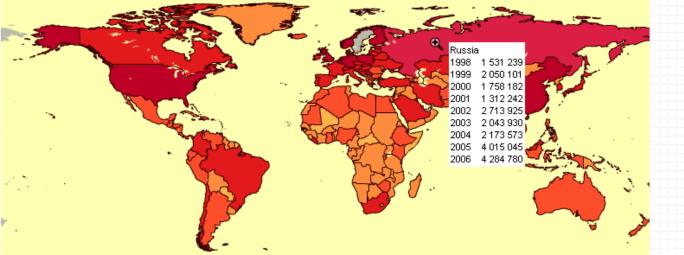
- Greenhouse gases
- Other emissions to air
- Emissions of chemicals
- Land use
- Water use
- Biodiversity

Carbon dioxide and other air emissions new follow-up measures

Environmentally extended input-output analyses

- Based on input-output data and emissions by industry + direct emissions + emissions in other countries
- The emissions in other countries are estimated using the assumption "as if produced in Sweden" or with a weighted method with country intensities





http://www.mirdata.scb.se/worldwide/Default_Eng.aspx

Political Reality

- Sweden in a global development international perspective needed due to increasing trade
- Flexible approach in reaching climate objective
- Territorial perspective and general economic steering instruments dominates political agenda
- Sweden 2050 roadmap towards zero climate emissions consumption patterns included
- Still in the awakening state