



Multilateral Assessment Sweden

Progress in achieving targets

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Sweden received six written questions

Topics:

- Estimation of policy impacts
- Use of credits
- Inconsistency regarding scenario assumptions
- Target definitions

THE ENVIRONMENTAL OBJECTIVES – ONE SYSTEM, MANY GOALS

- Generational goal
- Environmental quality objectives
- Milestone targets

“The overall goal of environmental policy is to hand over to the next generation a society in which the major environmental problems have been solved, without increasing environmental and health problems outside Sweden’s borders.”

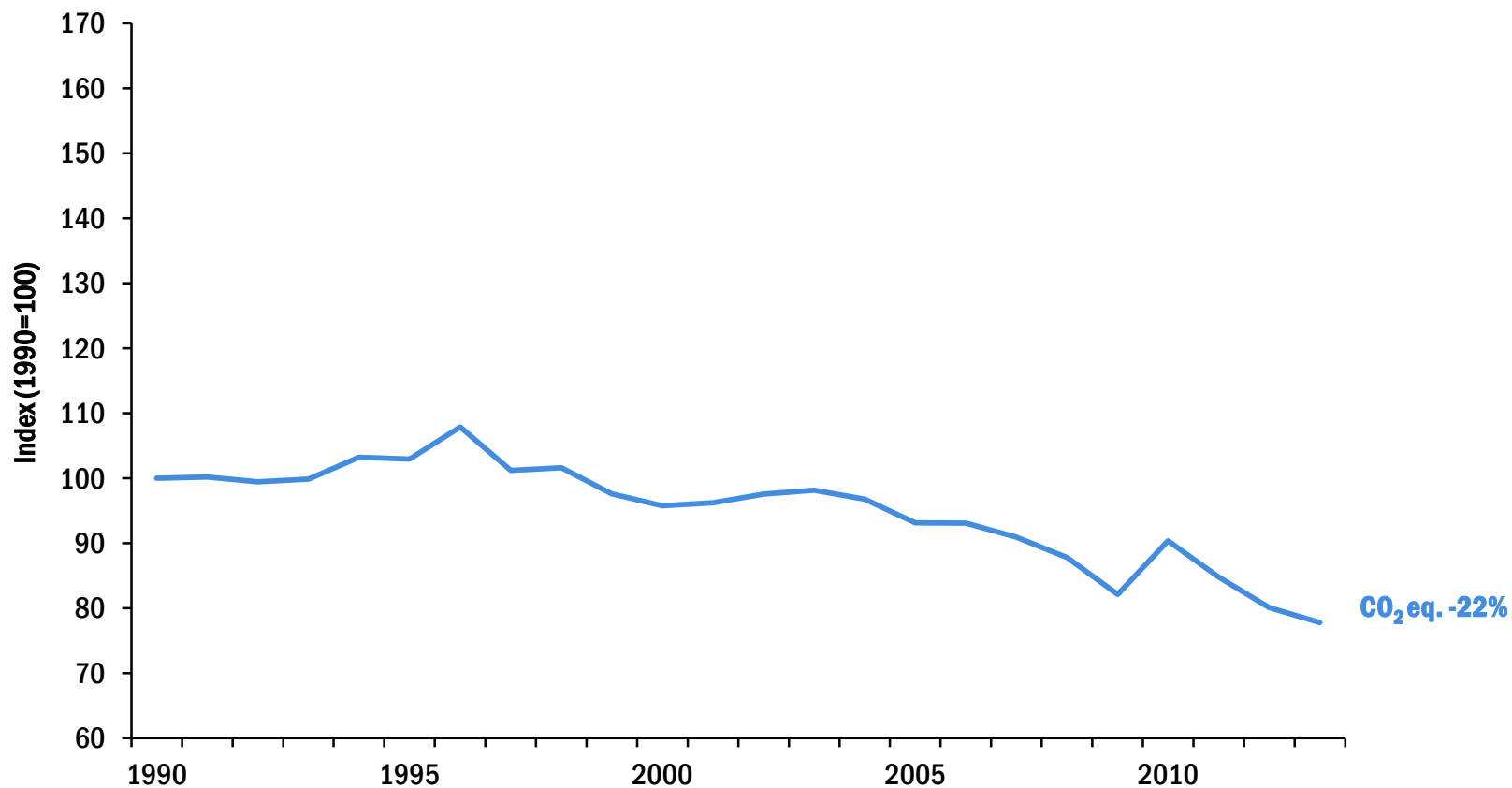
THE GENERATIONAL GOAL



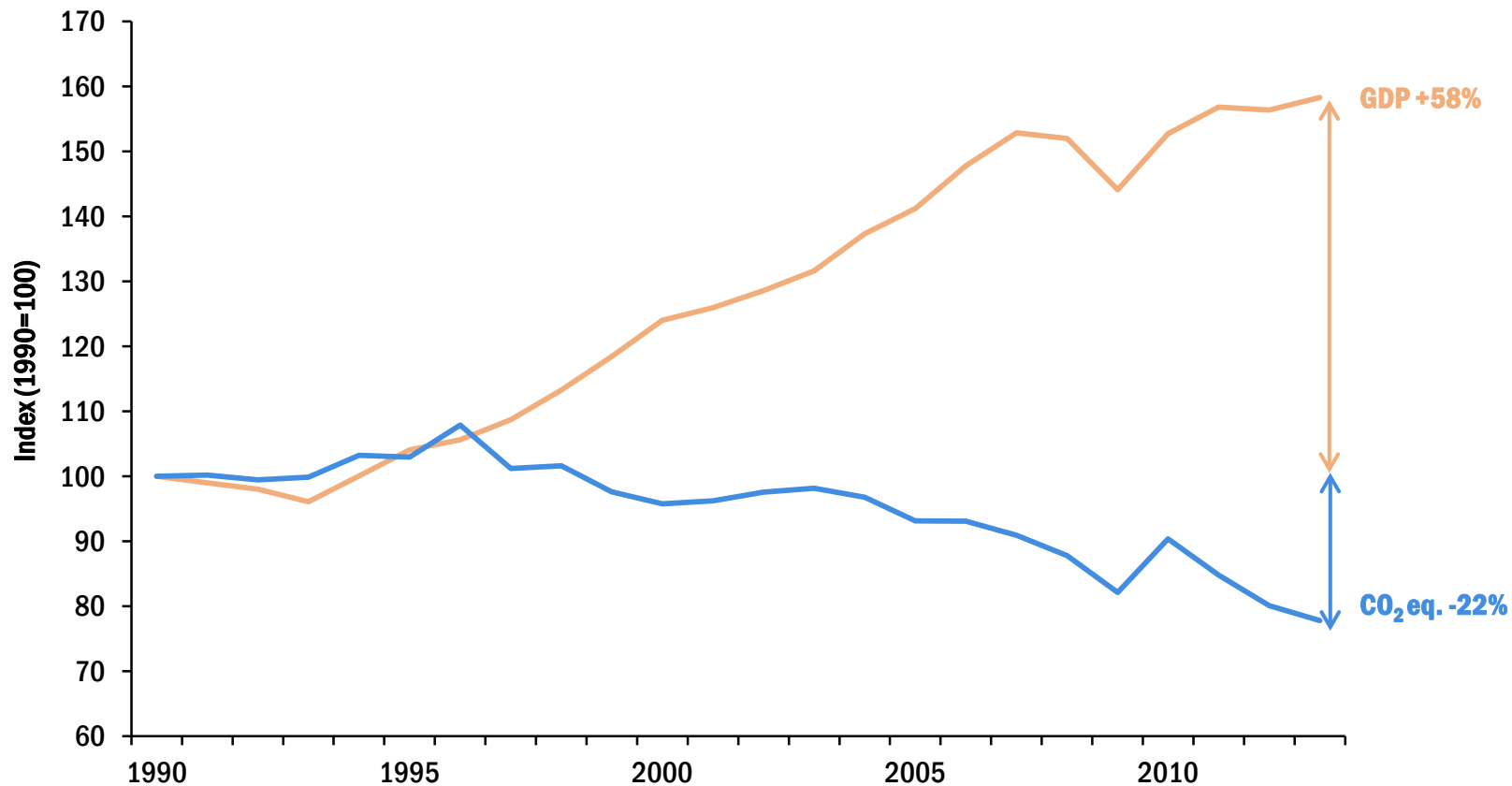
PUTTING THE OBJECTIVES INTO PRACTICE



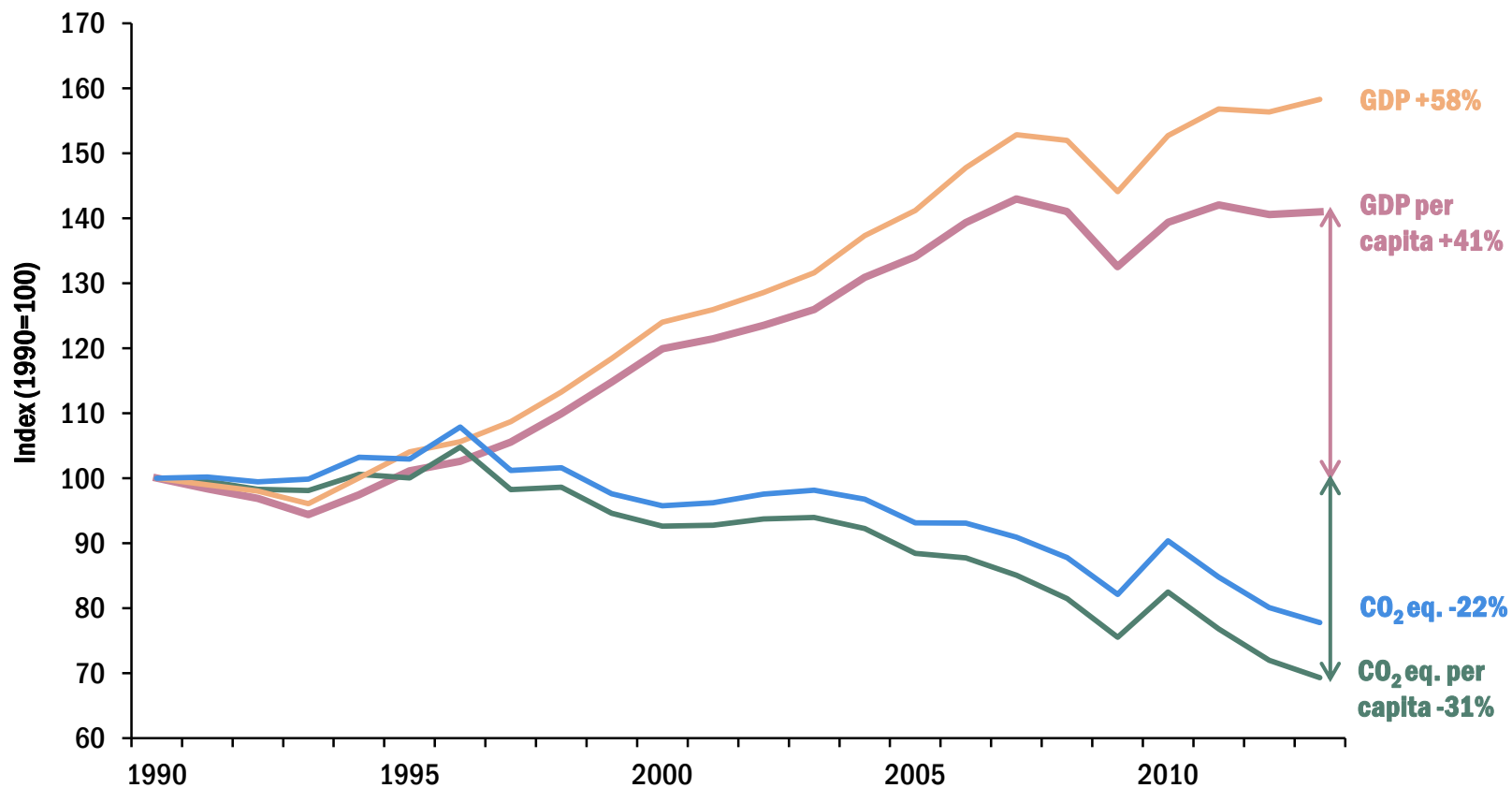
Reduced emissions can be combined with long-term economic development



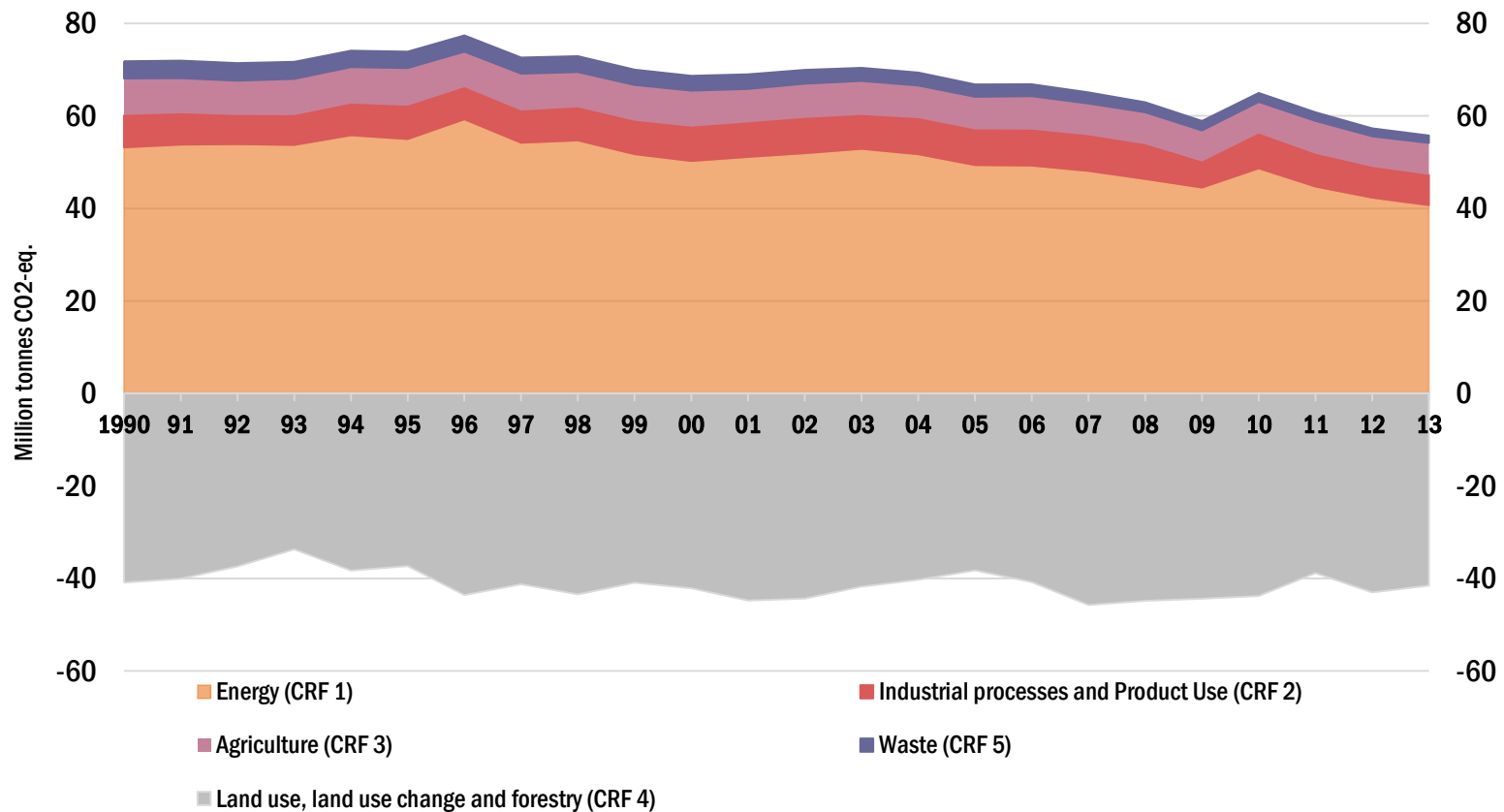
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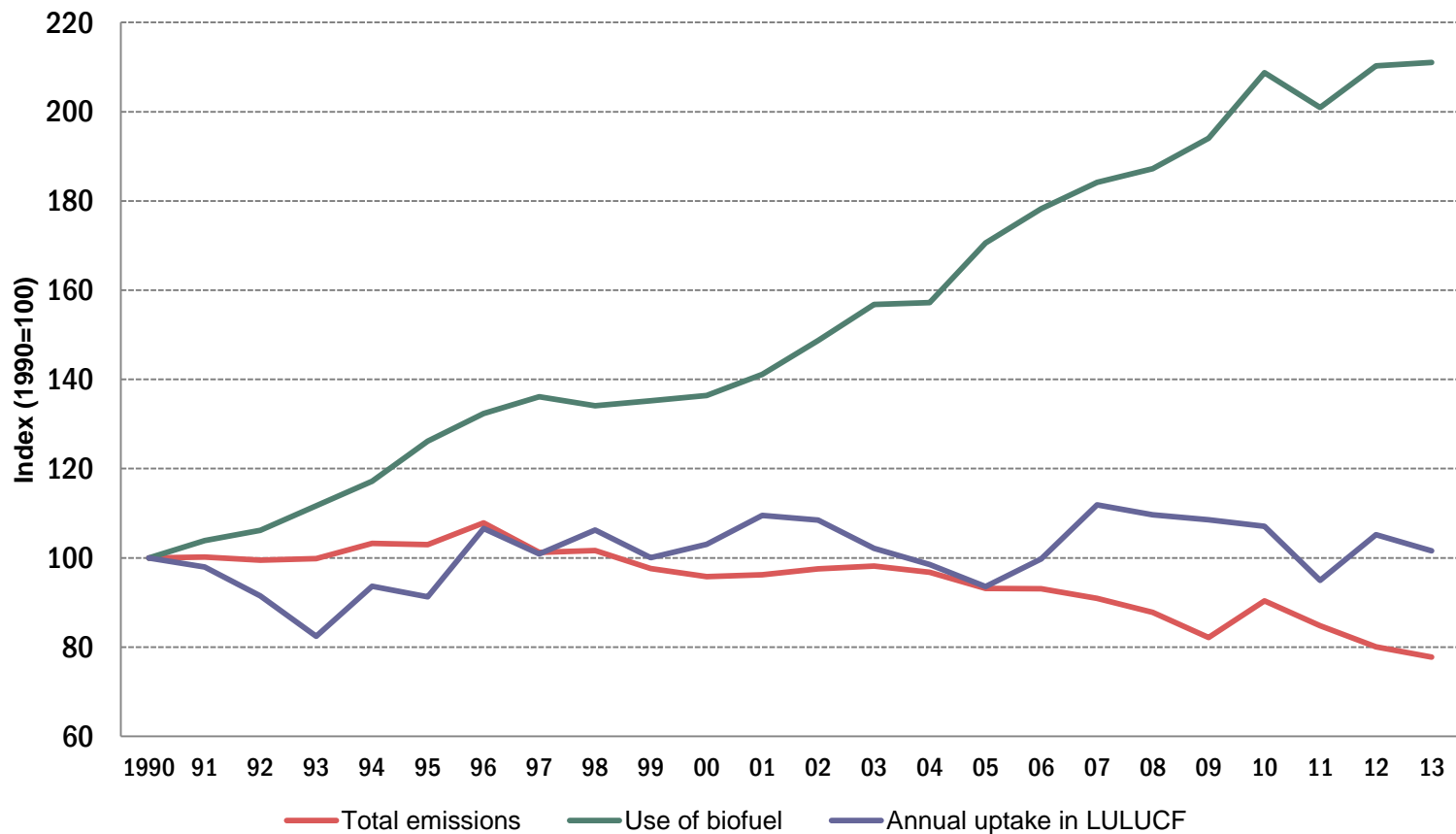
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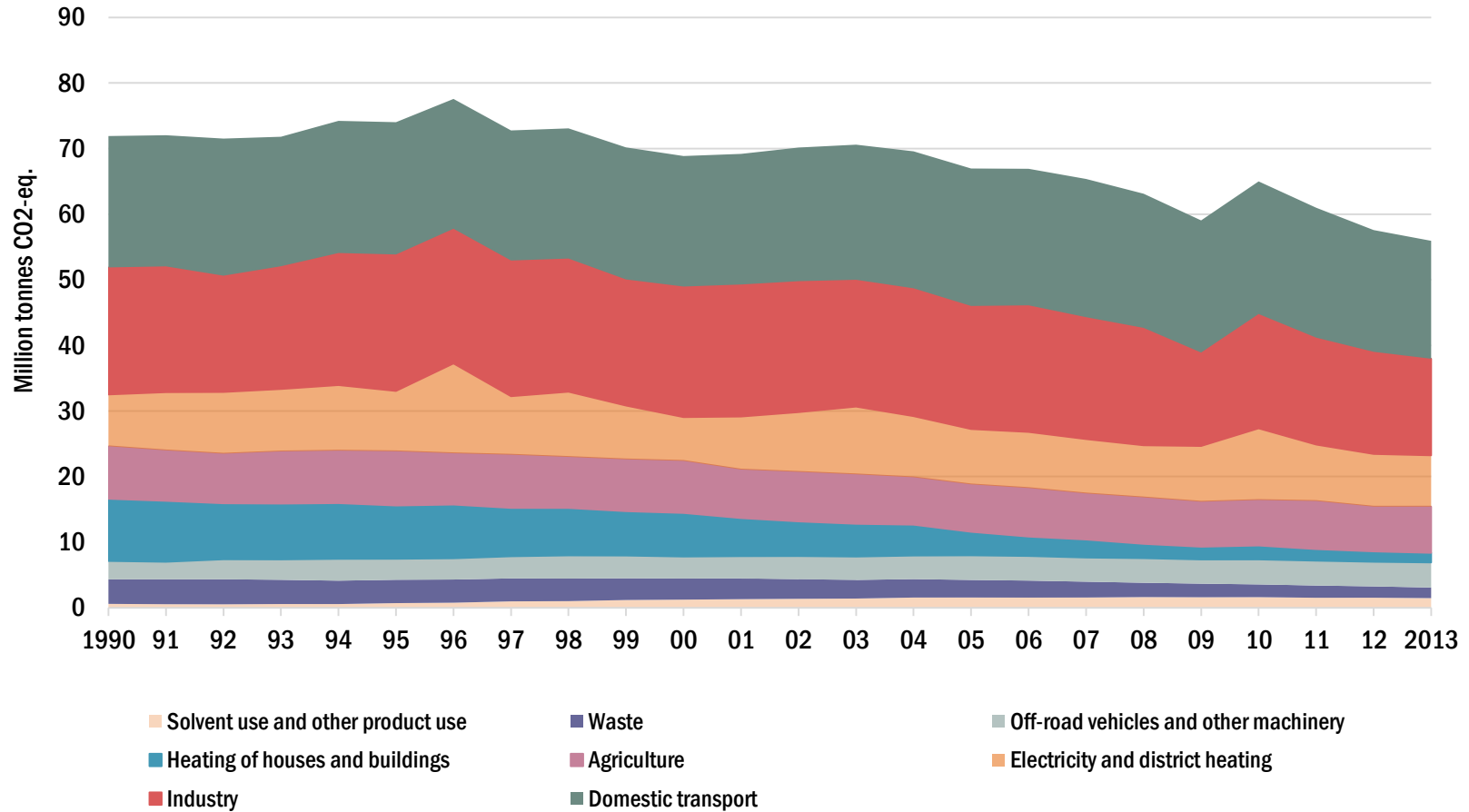
Reduced emissions without compromising carbon sinks



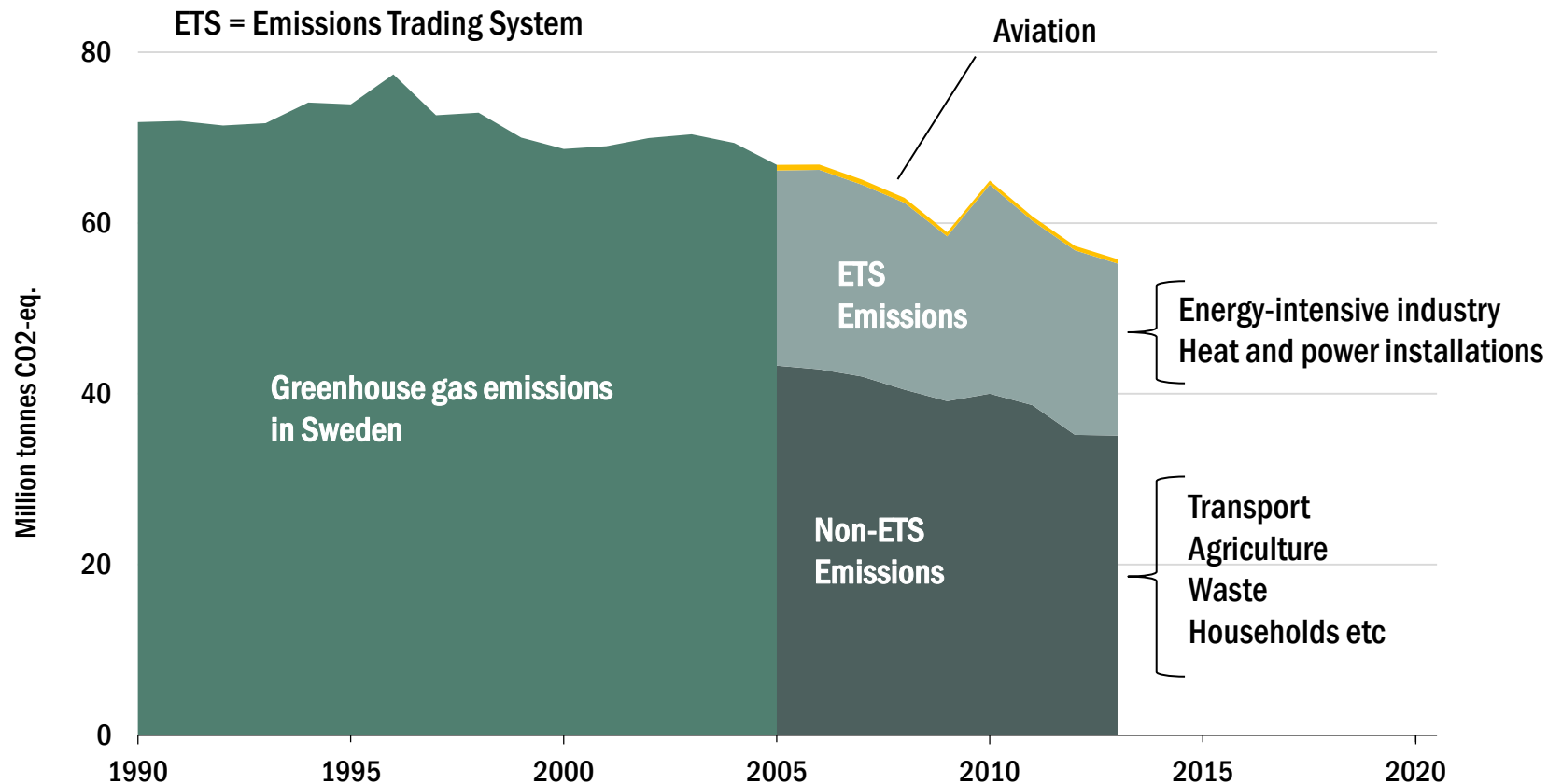
Switching to bio energy has contributed to emission reductions



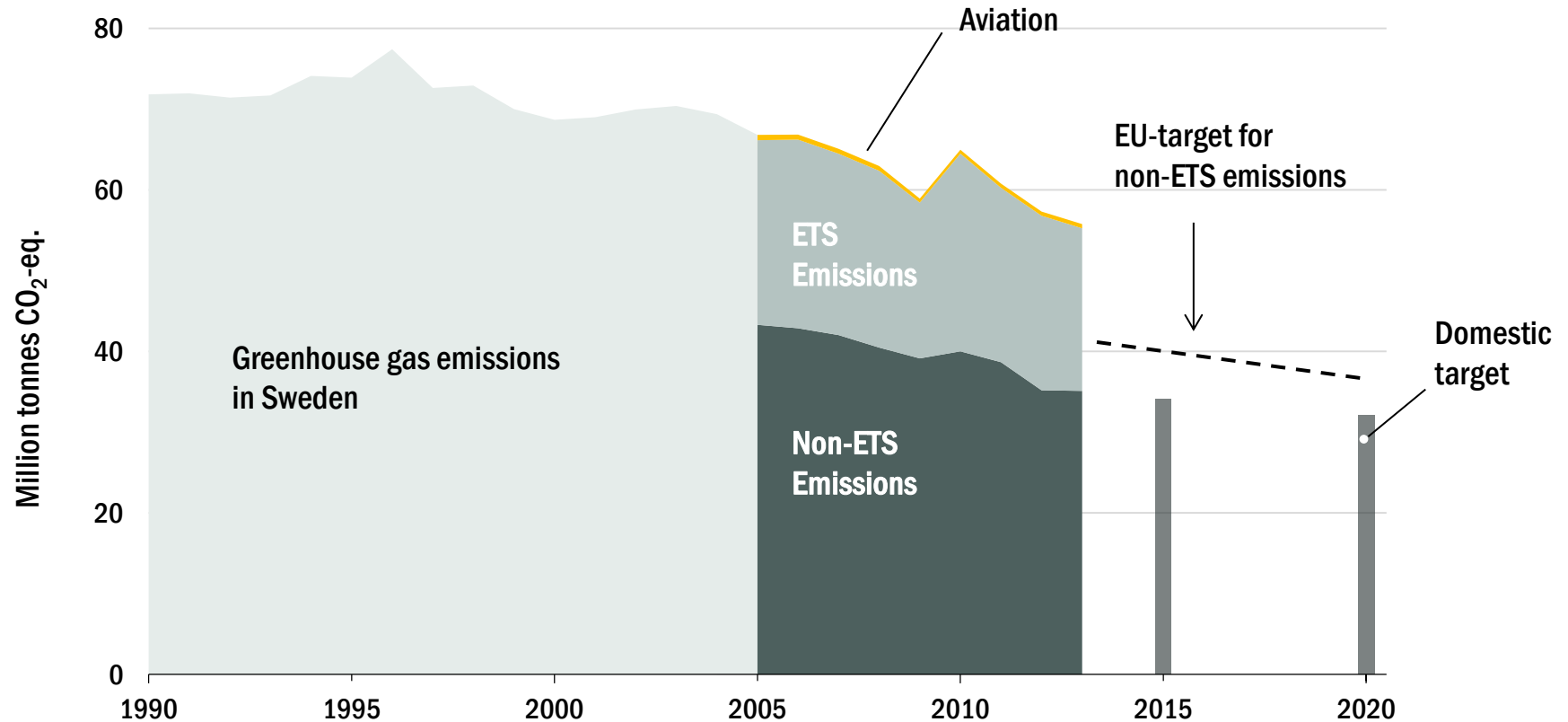
Emissions have been reduced across our economy



37% of Sweden's greenhouse gas emissions were covered by the EU ETS in 2013



Sweden will fulfill its share of the EU target for non-ETS emissions



Policies and measures

Prior to 1990

- Town and country planning
- Infrastructure for district heating
- Building standards
- Public transportation

From 1990's until today

- CO₂ tax
- Landfill ban on certain kinds of waste
- Green electricity certificates
- Investment programmes



Sweden has policy instruments in all sectors

Cross-sectoral	Energy supply	Residential	Industry	Product use	Transport	Waste	Agriculture	LULUCF
EU Emissions trading Energy and carbon dioxide taxes Local climate investment scheme* Environmental Code Planning and Building Act Communication Research and Development	EU Emissions trading Energy and carbon dioxide taxes Electricity certificates Special initiatives in support of wind and solar power Tax relief for micro production of renewable Energy	Energy and carbon dioxide taxes Building regulations Technology procurement Ecodesign Directive and energy labelling Energy declarations Climate and energy advice	EU Emissions trading Energy and carbon dioxide taxes Energy advice and energy surveys in small and medium sized Enterprises	F-gas regulation National regulation	CO₂ standards for new vehicles Energy and carbon dioxide taxes Urban environment agreements* Tax relief on transport biofuels Requirements of renewable fuels at filling stations Research and demonstration CO ₂ -based annual vehicle tax Super green car rebate Car benefit taxation Infrastructure	Landfill directive Landfill tax Ordinance on landfilling of waste with bans on landfilling and on requirements on methane recovery Producer responsibility Municipal waste planning Requirement	Rural Development Programme Advice /The rural network EU Nitrates Directive Regulations to reduce nitrogen emissions Investments support for biogas production Energy and carbon dioxide taxes	The Forestry Act Environmental Code Advice and Training

Swedish energy and CO₂ taxation

- a long history that started in 1924

Taxation of energy – two components

- Energy tax on fuels (1924 petrol; 1937 diesel; 1957 heating oil and coal; 1985 natural gas) and electricity (1951)
- CO₂ tax on fossil fuels (1991)

Two levels of CO₂ tax, per ton fossil CO₂

- *High* for motor fuels and heating fuels in households and service
- *Low* for heating fuels in industry – raised step by step

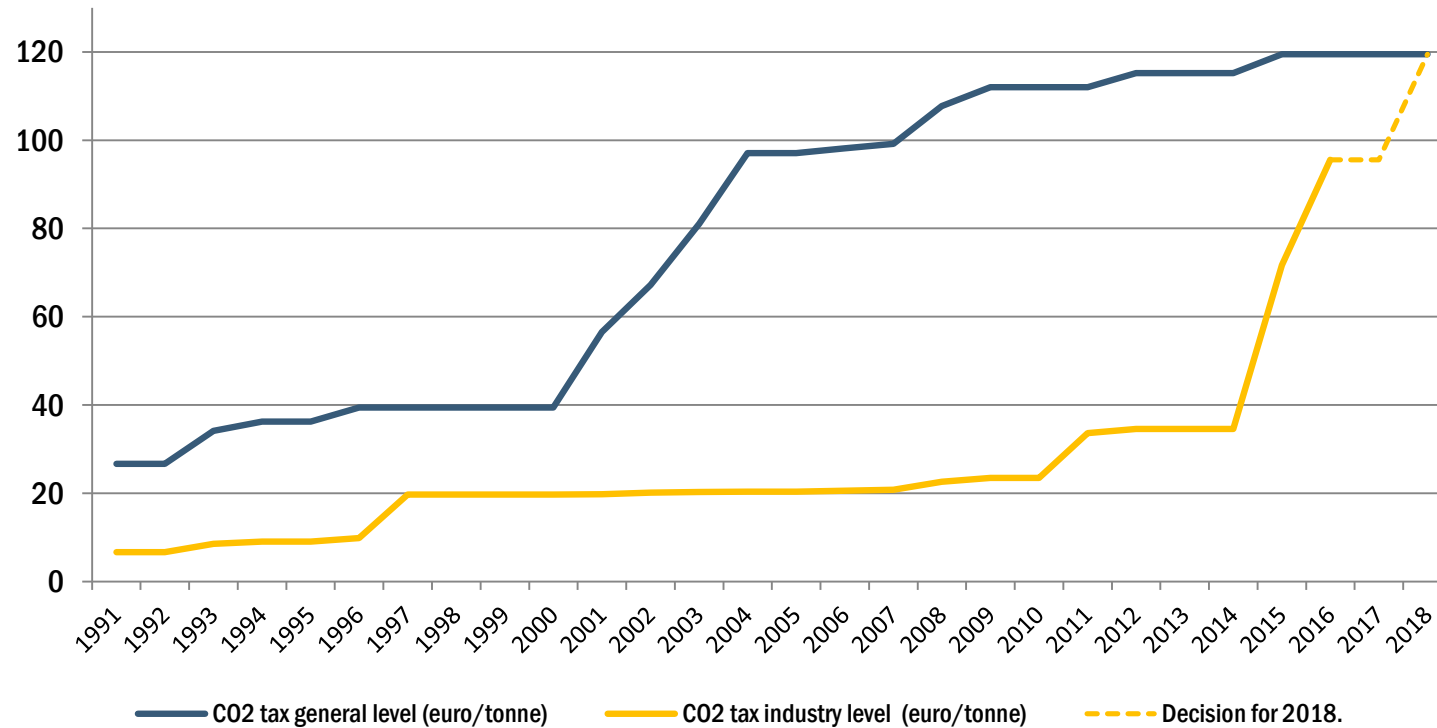
No CO₂ tax on industry covered by EU Emission Trading Scheme

The CO₂ tax

- has since 1991 been the key driver behind Sweden's success in cutting emissions;
- step-by step approach; easy to administer

Development of the Swedish CO₂ tax general level and industry level

CO₂ tax levels
€ per tonne



NOTE: From 2008 industry outside EU Emissions Trading Scheme (EU ETS); Exchange rate 1 €= 9.3754 SEK

Concluding remarks

- Reduced emissions can be combined with long-term economic development
- Emissions have been reduced across our economy following broad implementation of policies
- Sweden will fulfill its share of the EU target for non ETS emissions

Thank you for your attention!

