

# Biogas and the EU



Seminar on biogas. Gothenburg, 7 October 2008  
Lena Ek (c), Member of the European Parliament

# EU climate package

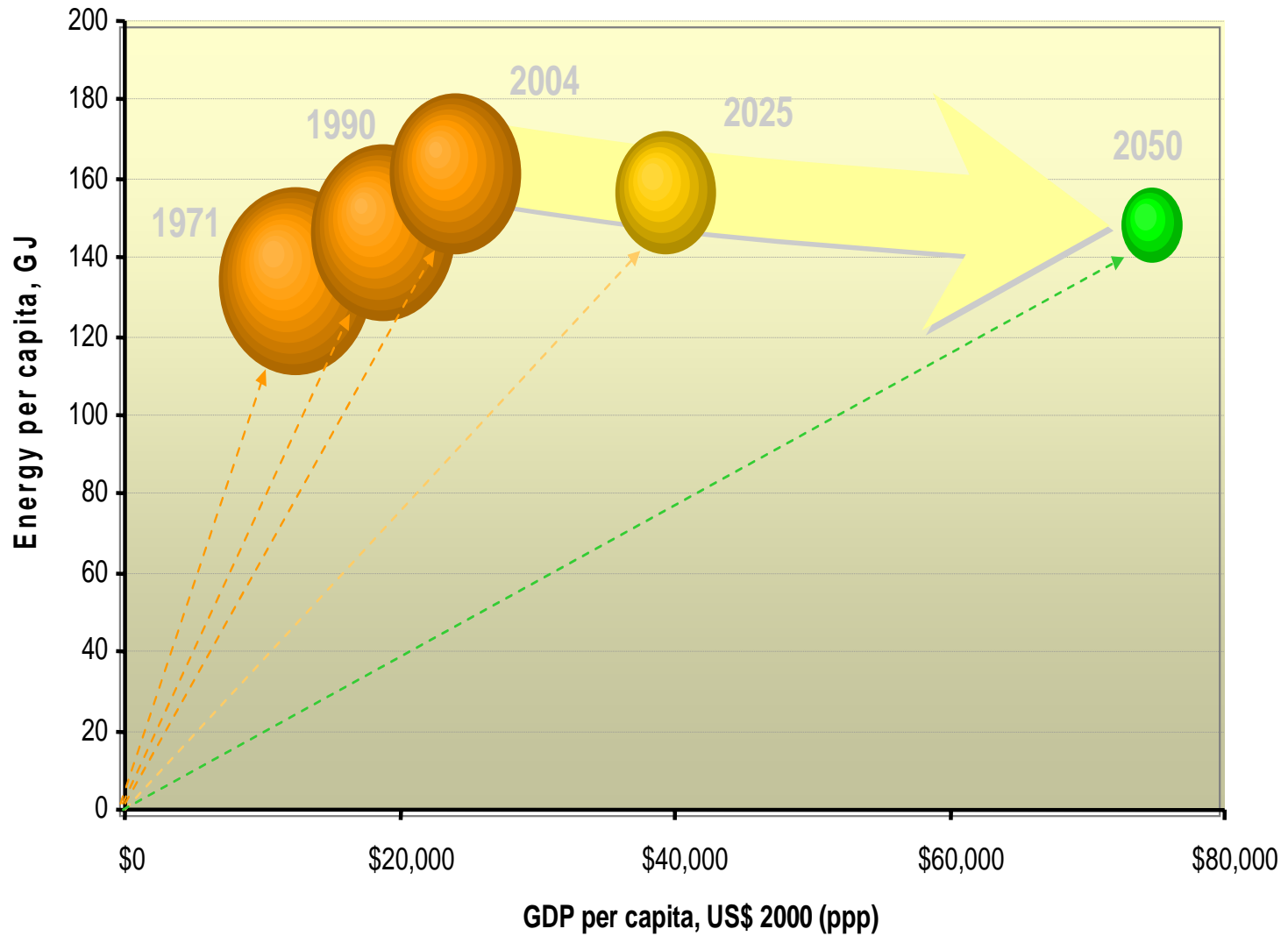
- The European Union will reduce greenhouse gases by at least 20% by 2020 (in comparison by 1990). The emissions reduction will be increased to 30% by 2020 if a new global climate change agreement is reached.
- 20% share of renewable in overall EU energy consumption by 2020.
- 10% biofuel component in vehicle fuel by 2020.
- 20% increase in energy efficiency.

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# Componentes of the climate package

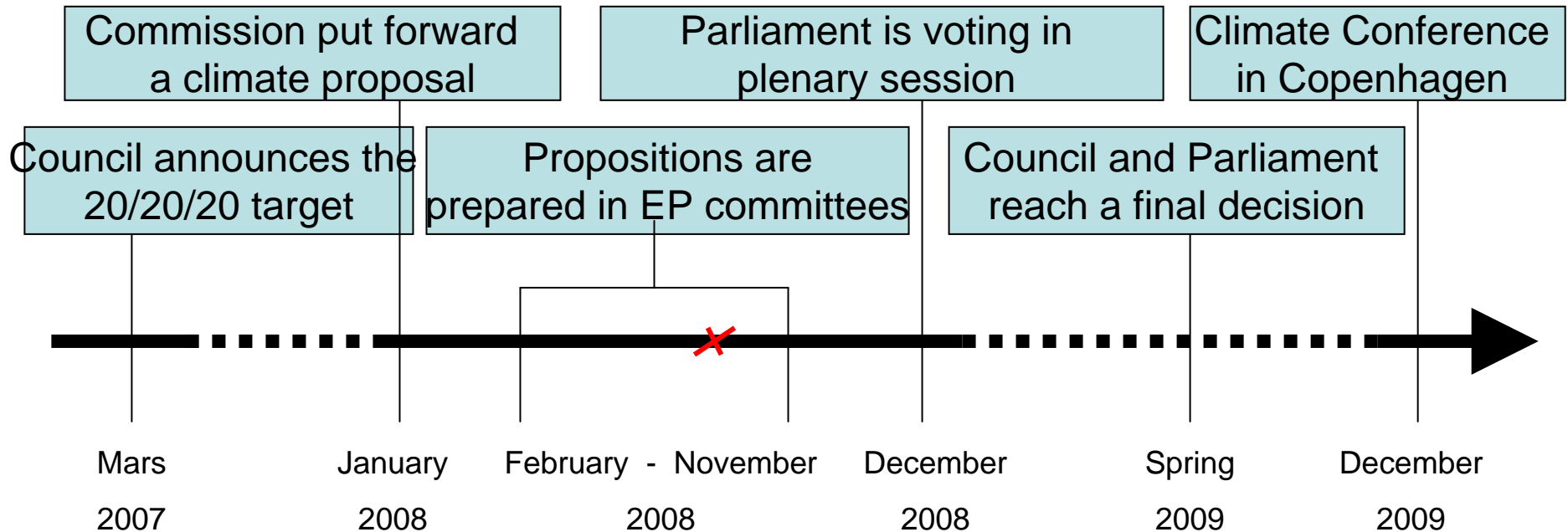
- Renewable energy sources
- Emission Trading System ("ETS")
- Capture and Storage of CO2 ("CCS")
- Distribution of reductions of emissions between the member states ("ES")

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# Klimatpaketets tidsplan

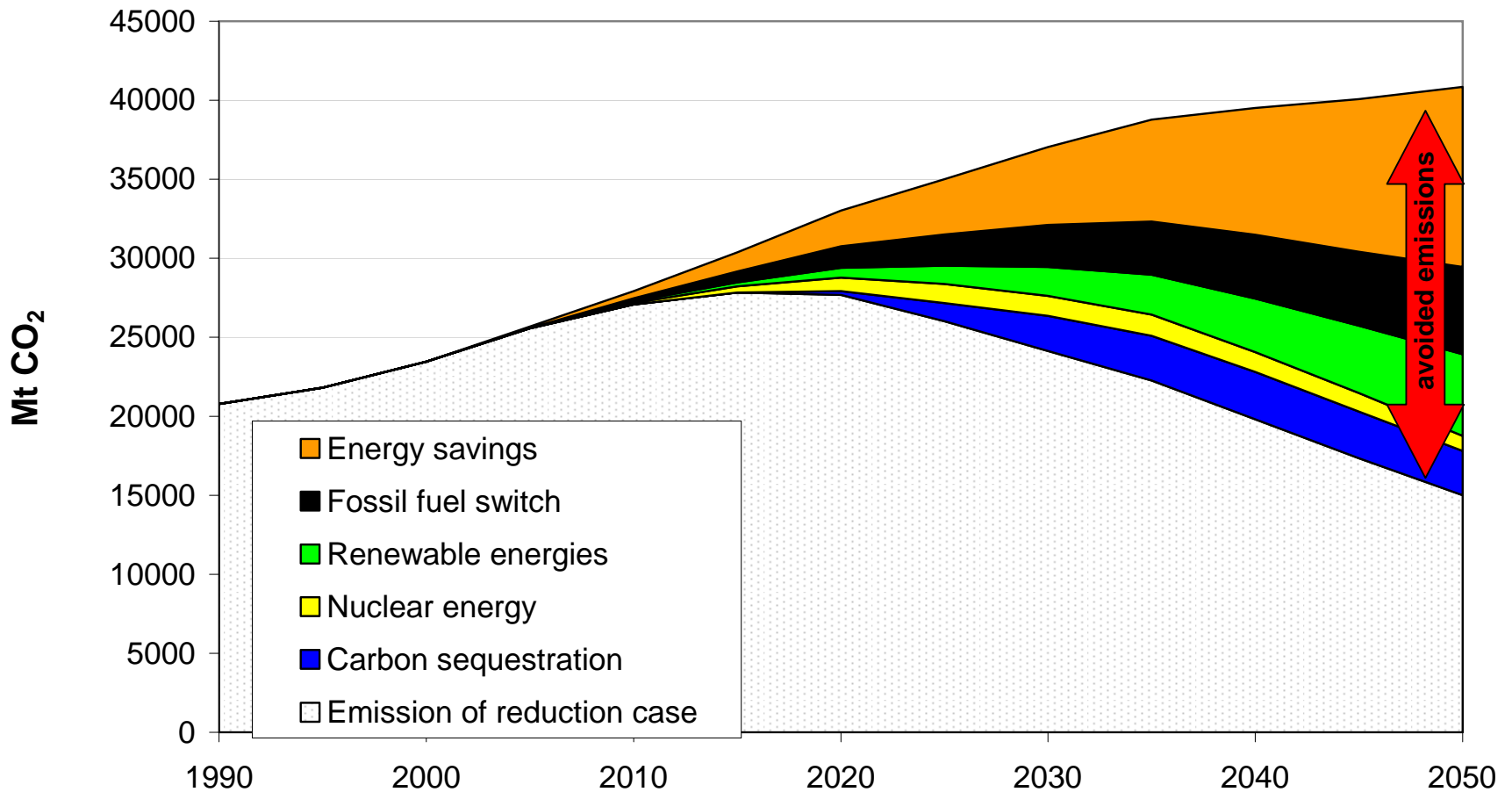


 = Present time

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# Technologies that can reduce global CO2 emissions from energy combustion



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# Directive on "Renewables"

- Includes national renewable energy targets that result in an overall binding target of a 20% share of renewable energy sources in energy consumption in 2020 and a binding 10% minimum target for biofuels in transport to be achieved by each Member State (*articles 3 and 5*).
- Includes a creation of a tradable guarantee of origin regime which allows Member States to reach their targets in the most cost-effective manner possible (*articles 6, 7, 8, 9 and 10*).
- Aims to remove unnecessary barriers to the growth of renewable energy - for example by simplifying the administrative procedures (*article 12*), instructs member states to educate and inform about renewable energy (*article 13*) and simplifies the access of renewable energy sources to the electrical infrastructure (*article 14*).
- Creates sustainability criteria for biofuels (*articles 15-18*).

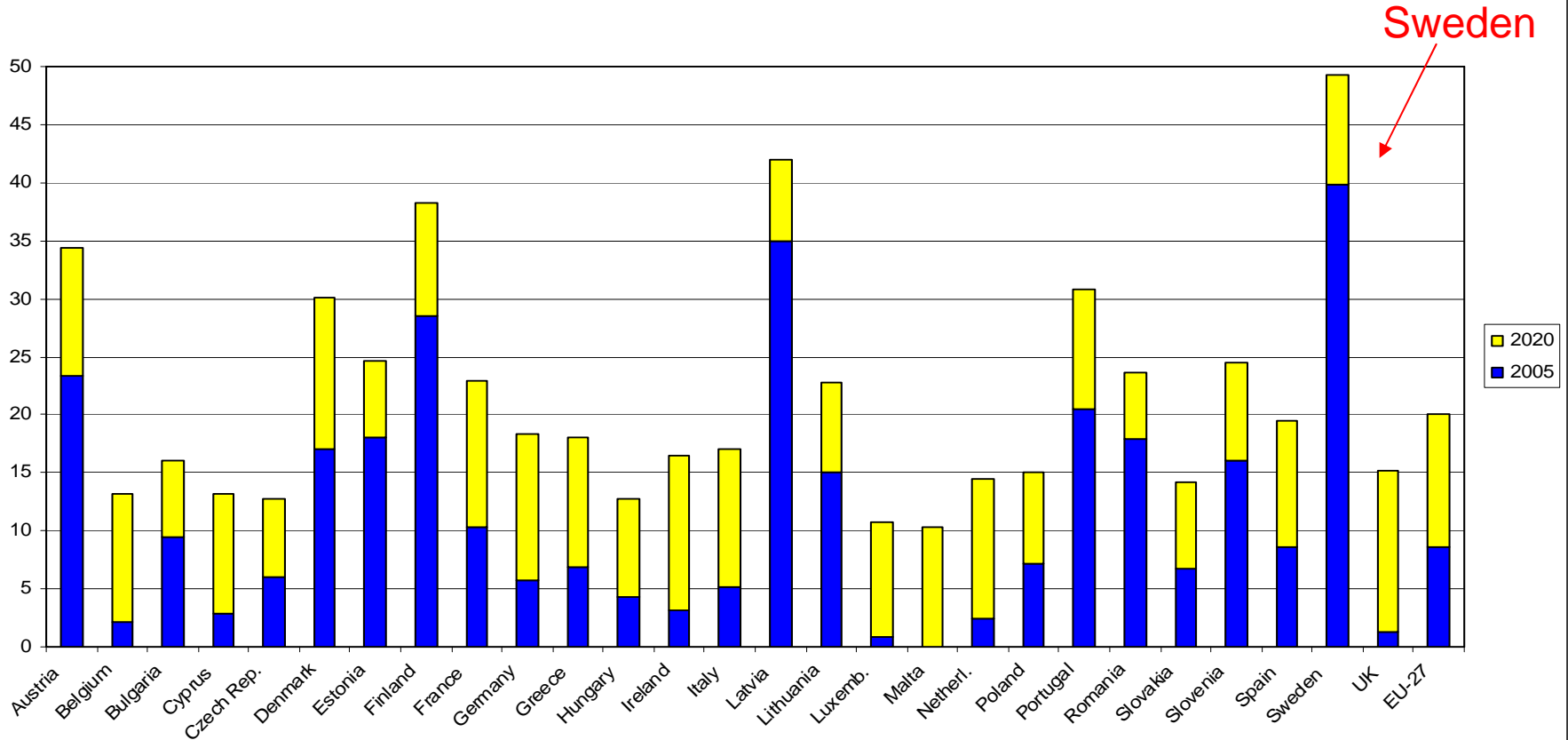
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# National targets

## Shares of renewable energy, 2005 and 2020



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# Challenges and possibilities for Sweden

- Swedish presidency of the EU in 2009.
- We need to reach the EU targets of effort sharing and renewables in Sweden.
- Reductions of emissions must be combined with a development of new enterprise research, development of new technologies, introduction of new technology and efforts to export.

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# Finally: New fuels = Sustainable development

- Tens of new gas stations in the region.
- 16.000 new cars in the region.
- New production of hundreds of Gwh gas in the region.
  
- Lower emissions in the union.
- Less dependence of fuels from untrustworthy states.
- New opportunities development in high tech and in rural areas.
  
- More jobs and faster growth in a better climate.

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# Questions?

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# Thanks for your interest!

Please visit my blog: [www.lenaek.se](http://www.lenaek.se)

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