

**INFORSE-EUROPE**  
 International Network for Sustainable Energy

**Current state of affairs at the Klimapakt Flensburg e.V. - an initiative of civil society\***

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[http://www.inforse.org/europe/seminar09\\_Artefact.htm](http://www.inforse.org/europe/seminar09_Artefact.htm)

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- General information about Flensburg
- Brief description: Klimapakt Flensburg
- Genesis
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- Activities and outcomes
- Next steps

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**- Brief Description -**

- Formation of the society in December 2008
- Nine foundation members
- Today 15 members
- Non-profit and incorporated society
- Aim: reduction of greenhouse gases
  - 2020: Emission-reduction by 30 % in comparison to 1990
  - 2050: CO<sub>2</sub>- neutral city

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**- Responsibilities of the members -**

Appropriate measures within their sphere of action:

- “Decreasing kWh”:
  - Insulation of buildings
  - Energy efficiency (industrial and residential sectors)
  - Increasing the share of local public traffic, walking and biking in the modal split
- “Less g CO<sub>2</sub>/kWh”:
  - Changeover to renewable energies in the local CHP-plant
  - Decentralized renewable energy production
- Rising responsibility / awareness:
  - Participation of all citizens! („increasing happiness/g CO<sub>2</sub>“)

Annual controlling reports about the success of measures

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**- Genesis -**

→ **Civil society actors** took up the issue of climate change

**Increasing energy costs**

**Coal as a big CO<sub>2</sub> emission source (~750.000 t CO<sub>2</sub>)**

**Heating demand as a big driver for CO<sub>2</sub> emissions (39%)**

**Increasing costs for fuels AND certificates**

insulating residential buildings (housing cooperatives)

substituting coal in the CHP-plant (utility)

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**- Genesis -**

Housing cooperative      Without cooperation      Electric utility

e.g.:

- High investments in excellent insulation
- Higher base rents
- Lower utility costs

→ Dropping income from district heat sales

→ Increasing demand charges to compensate losses

→ No capacity to invest in fuel changeover

→ Lower savings than necessary to recover investments


**Economically suboptimal solutions**      **Environmentally suboptimal solutions!**

→ Cooperation needed for cost-effective CO<sub>2</sub> reduction

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- Genesis -

- Holistic approach needed to minimize CO<sub>2</sub> abatement costs
  - Crucial: Transparency of costs, potentials and limits
  - Needed: a platform for mutual confidence
- Taking advantage of being a midsize community:
  - Cooperation needs familiar faces and equal terms



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- An initiative of civil society -



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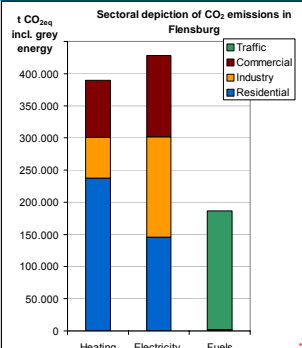
- Activities & outcomes -

- Launch event
  - Introduction of the Klimapakt to the public
  - Workshops & collecting ideas
- Flensburg's energy and CO<sub>2</sub> emission balance



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- Status Quo (2006) -



per capita emissions:  
11,6 t CO<sub>2e</sub>/hd.

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Next steps

- Business as usual scenario up to the year 2050 – cross-checking plausibility with all members of Klimapakt
- Application for government funding: the BMU (Federal Ministry for the Environment, Nature Conservation and Nuclear Safety) financially supports **integrated climate protection concepts**
- Development of an integrated climate protection concept – using the outcomes of public & stakeholder workshops
- Application for funding of climate protection measures

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Thank you for your attention

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