Energy Efficiency in Denmark
- Lessons learned

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EE in Denmark - overview

- Strong EE improvements
- De-coupling energy consumption and economic growth
- Also under the actual economic crises
- Combination of several policies and measure
  - Energy taxes
  - Regulation
  - Information and awareness
Energy efficiency obligations

Annual saving target
- Focus on realization
- Freedom to deliver
- Market based
- Help to implementation

Selling energy services – not only kWh
- Transforming the energy utilities

Financed by the tariffs
- Not from the state budget

Strong cost-effective measure
Building codes for new buildings

Dynamic development of building codes

- Regularly update
- Early announcement of next steps
- Voluntary low energy classes
- Time to adapt
- Brings cost down – cost-effective

Enforcement important

Big effects especially in developing countries
Voluntary agreements for industry

Part of CO$_2$-tax packet
- Rebate on CO$_2$-tax by signing EE agreement

Elements in agreement:
- Energy management
- Special investigations
- Implement cost-effective projects

Annual reporting
- The tax have to be paid if the agreement not is implemented

More then 10% saving
- Very cost-effective
Lessons learned

- Several barriers for implementing cost-effective energy savings
  - The market will not deliver enough
- No single silver bullet
- Combination of measures are needed
  - Economic incentives – energy prices
  - Regulation – standard, norms, etc.
  - Information and change of behavior

- Thank you for your attention
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