



Ministerie van Volkshuisvesting,
Ruimtelijke Ordening en
Milieubeheer

Climate Change Policies in the Netherlands

Henriëtte Bersee
Royal Netherlands
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The Netherlands: 16.5 mln inhab on 12,934 mi²





Climate Change and the Dutch policy agenda





Dutch Policy Agenda

- Adaptation to Climate Change
- Mitigation
- International Cooperation: EU, UN, bilateral



Climate Change and the Dutch policy agenda: keep dry feet





Delta committee 2008

- How to protect the Netherlands against the impacts climate change
- More than water safety: how to keep the Netherlands liveable
- Safety- government responsibility



Delta committees list of 12

- Flood protection level
- New urban development plans
- Areas outside the dikes
- North Sea coast
- Wadden Sea area
- South-western Delta:
- The major rivers area
- Rijnmond (mouth of the river Rhine)
- IJsselmeer area
- Delta commissioner, -fund





Costs (water part)

- 1.2-1.6 bln euro, per annum 2010-2050
- 0.9-1.5 bln euro, per annum 2050-2100
- (GNP: 600 bln euro)





Climate Change and the Dutch policy agenda: reduce domestic emissions by 30% in 2020 compared to 1990





Emission reduction in the Netherlands: -6% in 2008-2012 compared to 1990

- Energy efficiency and conservation
- Fuel switch
- Renewable energy
- Non Co2 Green House gases



Policy instruments

- Carbon Price-polluter pays
 - Taxes
 - Cap and Trade
- Regulation and Standardization
 - Building, Car etc standards,
 - Renewable portfolios
- Positive Price Incentives- Subsidies
- Urban/transport planning
- Agreements with local government
- Government procurement
- Voluntary agreements with industry



Energy efficiency improvement 1990-2006

- Industry 21%
- Households 25% (heating 32%)
- Transport 5%





Streetlights in the Netherlands





Solar energy





Heerhugowaard: City in the Sun





Off shore windparks





Biomass





International Cooperation

