

Ministerie van Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer





Henriëtte Bersee Royal Netherlands Embassy, Washington DC March 26, 2010



#### 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



13-6-2010



#### 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



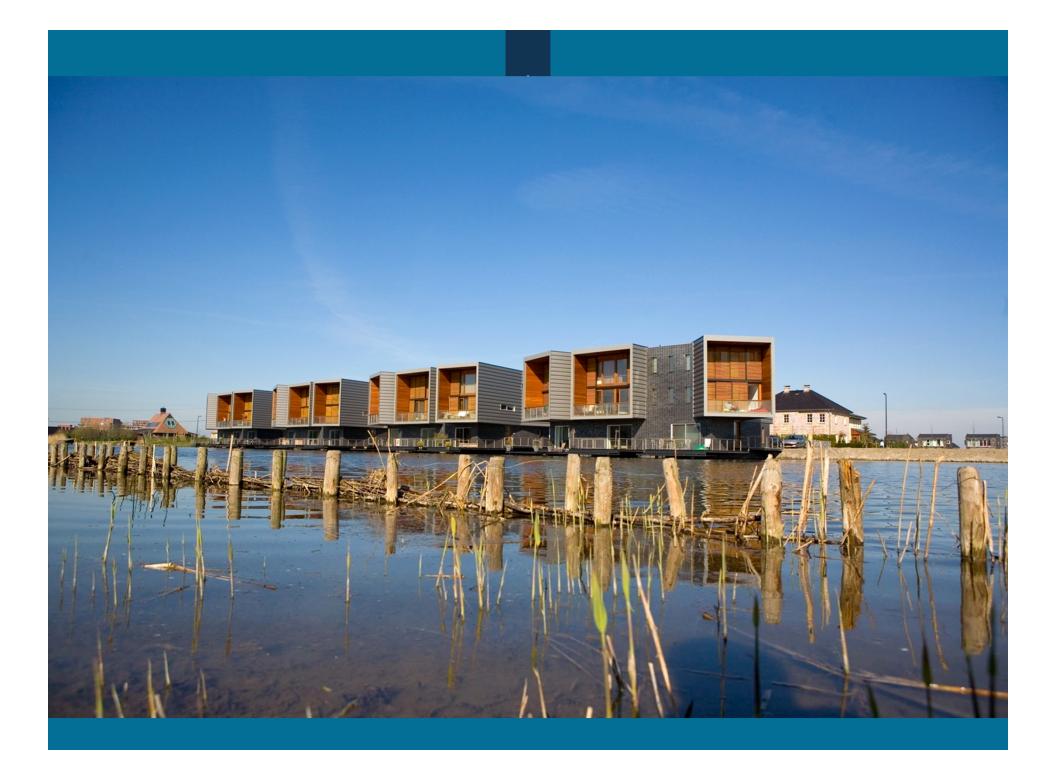


#### Costs (water part)

• 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**

