Defensie

Defence and Climate Change in the Netherlands (and beyond ?)

2008

Dutch Coast

2108 ??

Defensie

“The Dutch are always right, but seldom relevant”

Some figures

Defensie

- share of defence in NL CO_2 emission < 1%
- 25 % = infrastructure
- 75 % = use of engines
- NO ODS as greenhouse gas counted
- NO emissions from electricity used

Dutch landscape at Coevorden

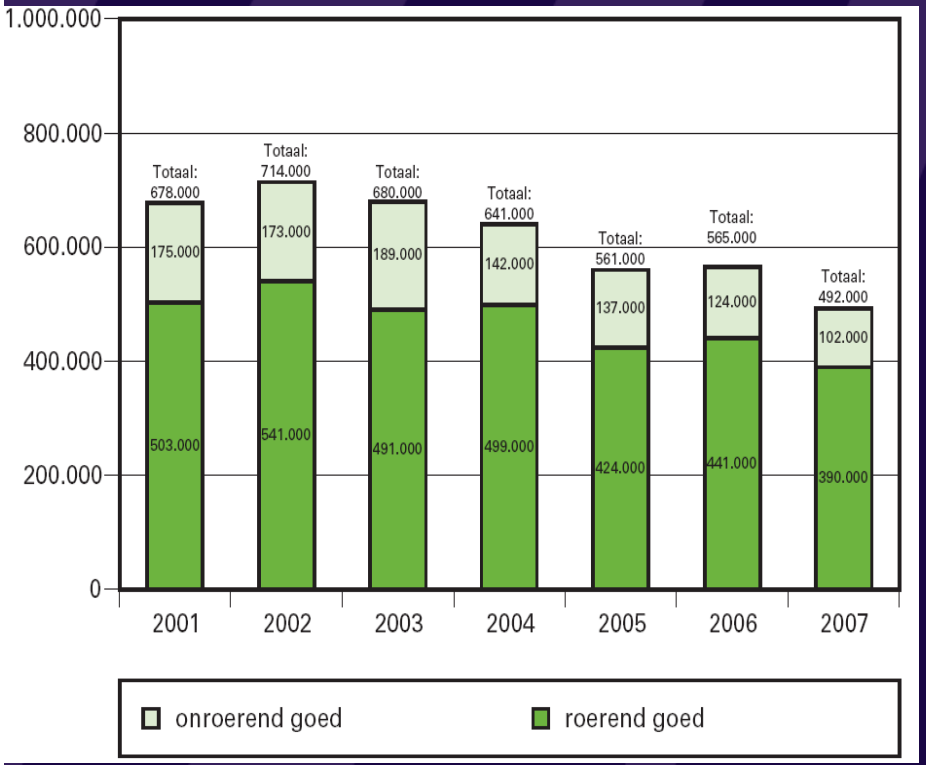
Dutch landscape at Coevorden as it should be !

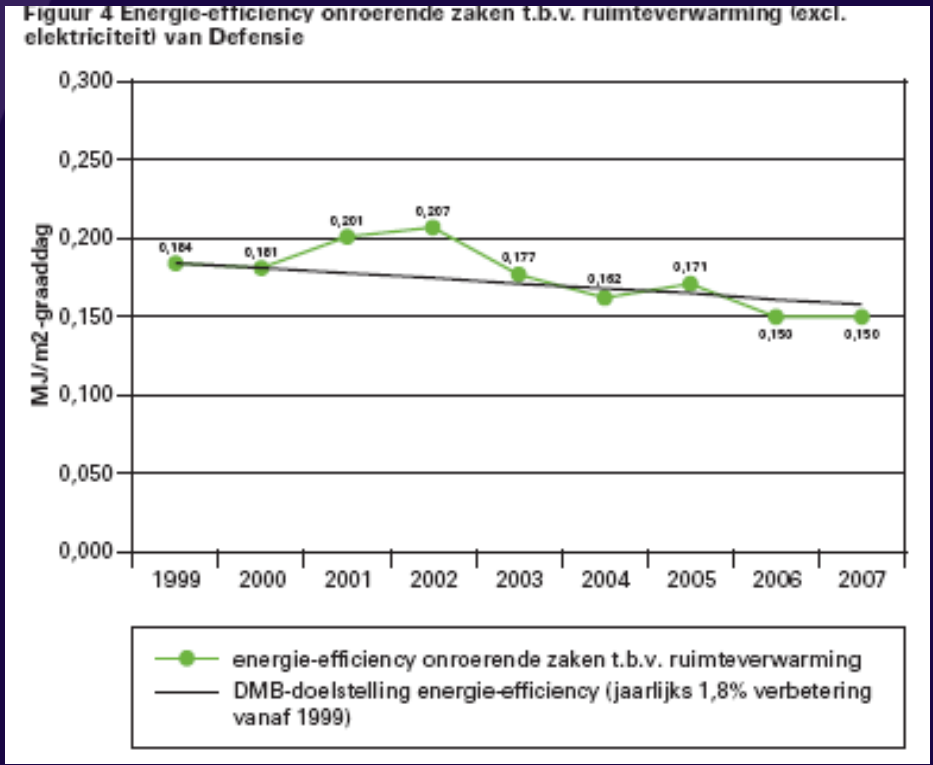
Useful action, not sexy

Defensie

- Energy efficiency inventory for all heated buildings above 1000 sqm done !
- Measures will cost 80 million Euro
- Inventory of all heated buildings of 500 – 1000 sqm is underway.

Some data


1.000.000
800.000
600.000
400.000
200.000
0
Totaal: 678.000
175.000
503.000
Totaal: 714.000
173.000
541.000
Totaal: 680.000
189.000
491.000
Totaal: 641.000
142.000
499.000
Totaal: 561.000
137.000
424.000
Totaal: 565.000
124.000
441.000
Totaal: 492.000
102.000
390.000
2001
2002
2003
2004
2005
2006
2007
onroerend goed
roerend goed


Figuur 4 Energie-efficiency onroerende zaken t.b.v. ruimteverwarming (excl. elektriciteit) van Defensie
MJ/m2-graaddag
0,300
0,250
0,200
0,150
0,100
0,050
0,000
0,164
0,161
0,201
0,207
0,177
0,162
0,171
0,150
0,150
1999
2000
2001
2002
2003
2004
2005
2006
2007
energie-efficiency onroerende zaken t.b.v. ruimteverwarming
DMB-doelstelling energie-efficiency (jaarlijks 1,8% verbetering vanaf 1999)

A small recapitulation

- Get your numbers right !
- Reduce emissions gradually by f.e.
  - Driving education
  - Infrastrucure insulation
  - Fuel mix and sustainable energy generation

The international viewpoint

- We all have a climate problem
- We all emit greenhouse gases
- We all use the same technology
- We all have the same tasks
- We all have the same problems, in principle.

However….

- No comparable numbers !

Recaptitulation (2)

- Get comparable numbers ! (NATO EPWG)

Long term outlook lacking

-Where is our course for 2060 ?

- Fossil fuels ? Biofuels ? Hydrogen ? Sustainable energy ?

-Will there be solutions to CO_2 problem ?

-Are we too small to initiate technical change ?

Final recapitulation !

1) Get your numbers right

2) Use NATO/EPWG for comparable numbers

3) Start reducing emissions gradually on a national level

4) Prepare internationally for big changes !

Questions ?

Defensie