



Screening meeting Energy 16 May 2006, Brussels



The Buildings Directive

Guido de Wilt
DG Energy and Transport





The Energy Performance of Buildings Directive (1)

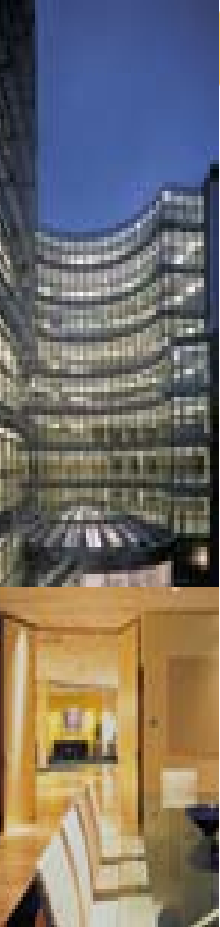
Objectives

Around 40% of total energy demand in the EU is consumed in the buildings sector

With cost-effective improvement measures of their energy performance nearly 10% of total EU energy demand can be saved

Realising this potential has enormous security of supply advantages on top of the obvious competitiveness and environmental benefits for the EU. To be done through:

- Promoting the improvement of energy performance of buildings within the EU through cost-effective measures
- Convergence of building standards towards those of Member States which already have ambitious levels

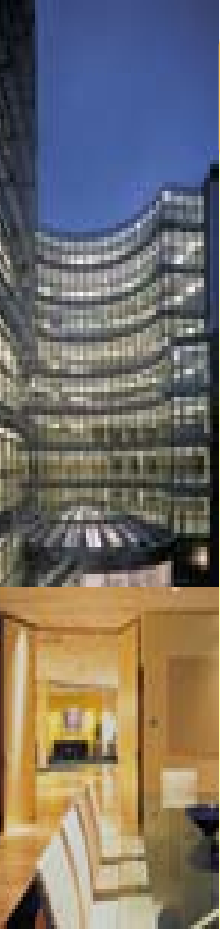




The Energy Performance of Buildings Directive (2)

All Member States to have adopted by now (Jan '06)

- Methodology for integrated buildings energy performance standards (Article 3 of EPBD)
- Minimum energy performance requirements for all buildings on the basis of this methodology (Article 4, 5 and 6 of EPBD)
- Certification schemes for all buildings (possible extension of January 2006 deadline) (Article 7 of EPBD)
- Inspection and assessment of boilers/ heating and cooling installations (possible extension of 2006 deadline (Art. 8+9))



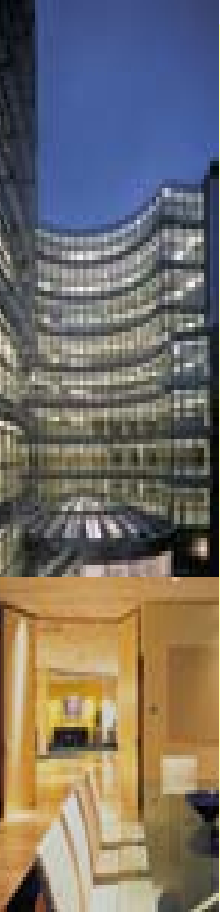


The Energy Performance of Buildings Directive (3)

A common methodology for integrated minimum standards

The standards:

- **integrate** insulation, heating, cooling, ventilation, lighting, renewable energy installations, passive systems, CHP, District Heating/Cooling, orientation of the building
- give **flexibility** to designers to meet energy reduction standards in the most cost-effective way
- can be expressed in **simple energy indicators**
- **are adopted by Member States** for different categories of buildings taking into account climatic differences and CEN standards

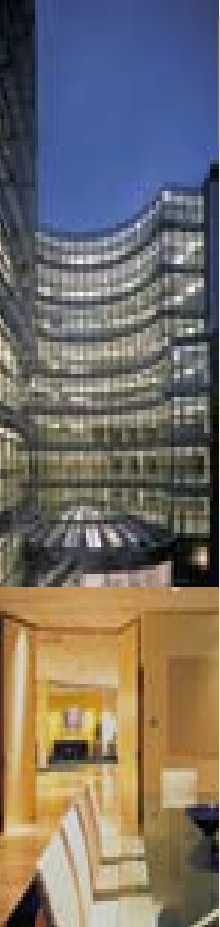




The Energy Performance of Buildings Directive (4)

Certification schemes (Article 7 of EPBD)

- Member States to ensure that an energy performance certificate is made available to building occupiers when a building is constructed, sold or rented out
- Certificates to be valid for no more than 10 years
- Certificates to be accompanied by information on how to improve the energy performance of the building in a cost-effective way
- Certificates to be displayed in public buildings of over 1000 sq metres
- Possible extension or phasing in of certification schemes for a maximum of 3 years : only justification for this:
a lack of qualified and/or accredited experts

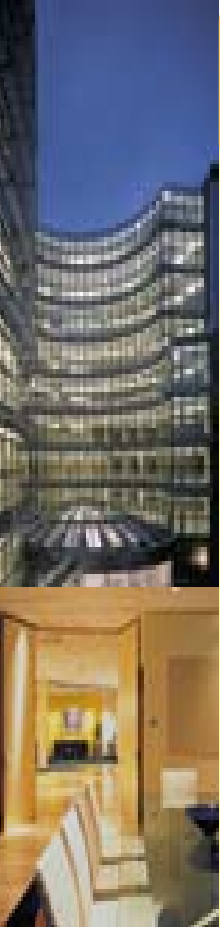




The Energy Performance of Buildings Directive (5)

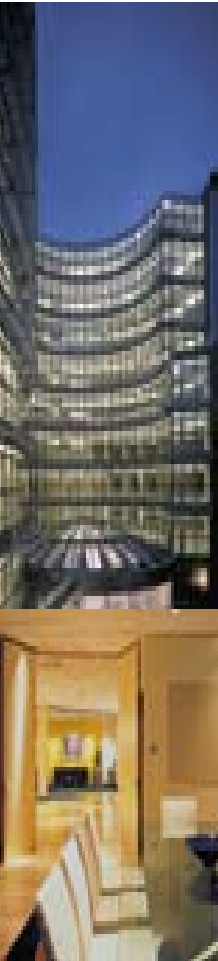
Inspection of boilers and A C installations (Art 8,9)

- MS to lay down requirements for regular inspections of boilers (option A)
- MS to ensure provision of advice to users which gives the same results as regular inspections (to be proven by MS)
- MS to establish regular inspections of air conditioning systems of an output of more than 12 kW
- Possible extension or phasing in of inspection schemes for a maximum of 3 years : only justification for this:
a lack of qualified and/or accredited experts





The Energy Performance of Buildings Directive : current activities (6)



EU level:

Energy Demand Management Committee

- update Technical Annex (qualified majority)
- evaluate Directive and make proposals (advisory)
- exchange of experience and information (voluntary)

Concerted Action (co-operation between Member States)

Building a European network - **Buildings Platform** (2005)

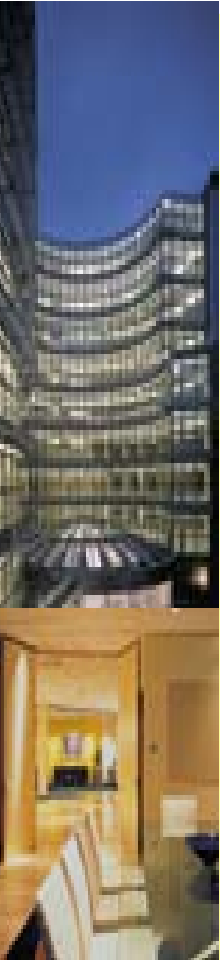
CEN standards for calculation methodology

Member States level (current only because MS are late):

- setting of minimum energy requirements
- details of methodology and certification schemes
- details of boiler/AC inspection/assessment schemes



The Energy Performance of Buildings Directive : current EU activities (7)



- **Concerted Action** – experts and persons responsible for legislation at national level help each other in finding practical and proper solutions for implementation
- Building a European network - **Buildings Platform** (2005)
Exchange of experience and good practices among a large audience with a helpline, targeted information activities and a website (www.buildingsplatform.org)
- **CEN standards for calculation methodology**
EU level standards to assist Member States in adopting their standards. Most have been published, significant number adopted, some still under public enquiry, will be adopted and published later this year)



Staying informed...

- **DG TREN Website**

[www.europa.eu.int/comm/energy/demand/
index_en.htm](http://www.europa.eu.int/comm/energy/demand/index_en.htm)

- Guido de Wilt:

Wilhelmus.de-Wilt@ec.europa.eu

Katrien Prins:

Katrien.Prins@ec.europa.eu

