

What is coming for buildings in the EU?

for Energy and Transport

CEU, 18 June, 2009 Gergana Miladinova DG TREN, D



Buildings: At the core of EU prosperity

- 40 % of EU energy use
- 36 % of EU CO₂ emissions
- 9% of EU GDP
- 7-8% of EU employment









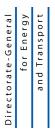
- Very diverse and highly disaggregated
- Cost-effective savings potential: 28% in 2020
- Low or negative CO₂ abatement costs
- Jobs creation

Main policy action to achieve energy savings



EPBD (2002/91/EC) – first holistic framework

- Member States to fix and implement:
 - Minimum energy performance requirements
 - A methodology to calculate and rate the energy performance
 - Energy performance certificates
 - Regular inspections of heating and air-conditioning systems
- Offers room for adapting to national circumstances
- 2002 into force, 2006/2009 deadlines
- A number of advanced MS but also some lacking behind



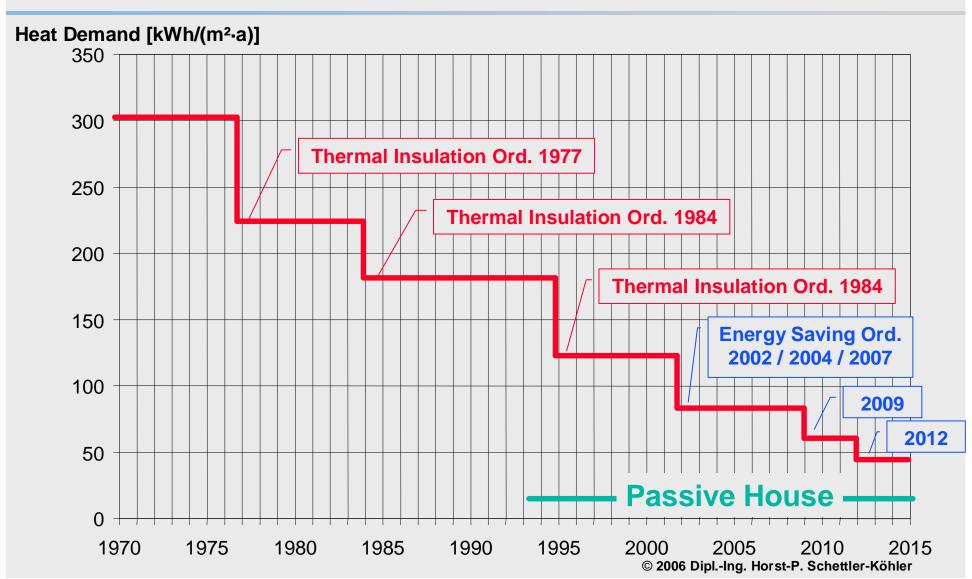


Development of building codes, Germany



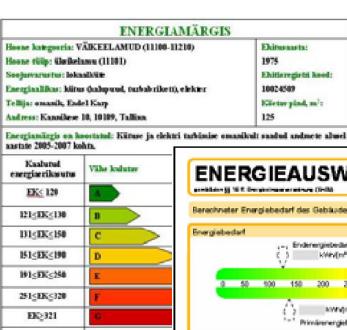


Strengthening of requirements: New buildings



	2009	2010	2012	2013	2015	2016	2020
Denmark		- 25 %			- 50 %		- 75 %
Finland		-30 - 40%		-20%	LEB (PH)		
France			LEB ²				E+
Germany	- 30 %		- 30 %3				NFFB
Ireland		-60%		NZEB			
Netherlands		- 25 %			- 50 % (PH)		ENB
Norway	20- 25%						LEB (PH)
United Kingdom		-25 %		- 44 % (PH)		NZEB	

LEB: Low Energy Buildings. E+: Energy positive buildings. NFFB: Buildings to operate without fossil fuels. ENB: Energy Neutral Buildings; NZEB: 0 net. CO2, incl. heating, lighting domestic hot water and all appliances

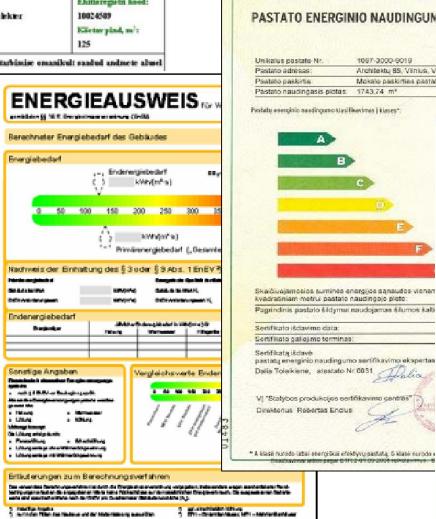


Hoone knabutud energiaezikasutus *,kWh/(m Mürgise villjastanise kumplev: 29.11.2000

Padju kulutav

Ettevõtte või FIE: OÜ Energiaelapert

Vastutas Siitaja: Rein Kangur





Angaben zum Gebäude

Nachweisart Adresse (Strasse)

Aussteller

Energie Jeanne Eau

Nutzungsart/Gebäudetyp

Anzahl der Wohneinheiten

Adresse (PLZ-Ort/Stadt)

Baujahr Gebäude Baujahr Heizungsanlage

Energiebezugsfläche

123, rue de l'Econor L-1234 Luxembourg Tel 12345678 Unterschrift Ausstelle

Wohnen EFH

2004

1996

280,4 m²

Eigentümer

Rue du Soleil, 123

1234, Luxembourg

Hulle (Bestand), Anlagen (Bestand)

Gültig bis





Sharpening the EPBD

- Build on the provisions of the current EPBD
- Cost-effective, ambitious but realistic !!!
- Full respect of subsidiarity principle
- Low administrative burden
- Gradual but speeded transition to stricter requirements





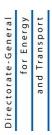


To give an additional ...

- 5 6 % saving of total EU energy consumption
- 5 % saving of total EU CO₂ emissions
- 280,000 450,000 potential new jobs

EPBD recast: Better Energy Performing Buildings

- Minimum energy performance requirements for all new and existing (under major renovation) buildings
- Minimum energy performance requirements for technical building systems (new replacement and retrofit)
- Alternative systems to be considered for all new buildings
- Benchmarking of the requirements as set up by MS
- Financial support only for measures beyond cost-optimal levels after 2014
- Aligning of all MS with the cost-optimal levels after 2017
- Gradual transformation to next generation buildings





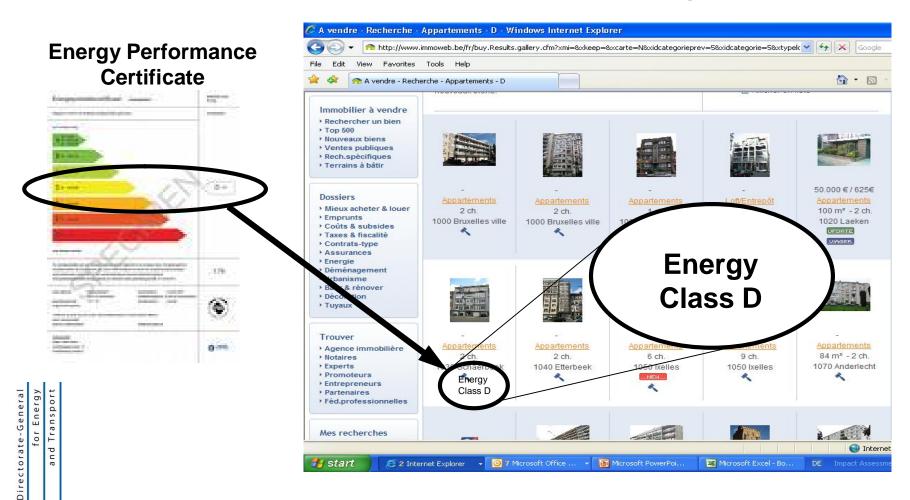
EPBD recast: Improved and more reliable information

- Certificates: reinforcement of their role and higher quality
- Increased visibility by their display
- Introduction of an inspection 'report' for the heating and airconditioning systems
- Quality monitoring of certificates and inspection reports
- Member States required to provide more information to citizens
- Public sector to act as a leading example





EPBD recast – What shall e.g. happen?





Co-decision progress

Council of Ministers

Ongoing discussions

European Parliament

- Ticau report voted in ITRE: 31/03/2009
- EP Resolution (1st reading): 23/04/2009





Main policy action to achieve energy savings



Support measures and networks

EPBD implementation support

Concerted action EPBD

CEN EPBD standards

Buildings Platform

Measures & programmes

IEE programme project funding

FP 7 projects incl. Concerto

BUILD UP Initiative

Networks



Sustainable Energy Europe Campaign

ManagEnergy network





Target groups



Public authorities



Building professionals



Building occupants

Energy Legislation

Energy Efficiency

EU & National info EPBD Database Links

National info Practical info Links **Database of**

Cases

8

Tools



Your guide to energy efficiency



Web

Portal

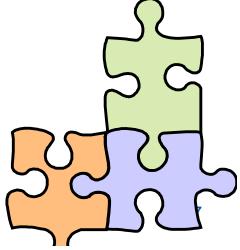
Financial and fiscal tools...

- Structural funds
- State aid possible (under certain conditions)
- VAT reduced rates for labor-intensive services possible (under certain conditions)

 New Commission/EIB Facility for Urban Energy Programme Development Support



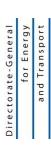




What next?

- New Action Plan for Energy Efficiency
- Your contribution is very welcome:

http://ec.europa.eu/energy/efficiency/consultations/2009_08_03_eeap_en.htm





Thank you for your attention!!!

http://ec.europa.eu/dgs/energy_transport/index_en.html

http://buildup.eu

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Directorate-General for Energy and Transport

