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Energy for

EUROPEAN COMMISSION

After the recast – EU policies for sustainable buildings

20th May 2010, Brussels Michaela Holl, DG ENER C4

The new Europe 2020 strategy

- Successor to Lisbon strategy, agreed upon at EU Spring summit 2010
- Sustainability/Energy as one of the five headline targets: Reaffirmation of 20-20-20 target agreed in 2007
 - reducing greenhouse gas emissions by 20% compared to 1990 levels
 - increasing the share of renewables in final energy consumption to 20%
 - and moving towards a 20% increase in energy efficiency

Member States will set national targets to underpin headline targets





The EPBD recast

- Recast endorsed by Council in April and EP plenary on 19th May
- Publication in Official Journal June 2010
- Implementation by MS two years after entry into force (second half of 2012)
- Next steps: cost-optimal methodology, voluntary EU labelling scheme in comitology, analysis on finance



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EPBD requirements

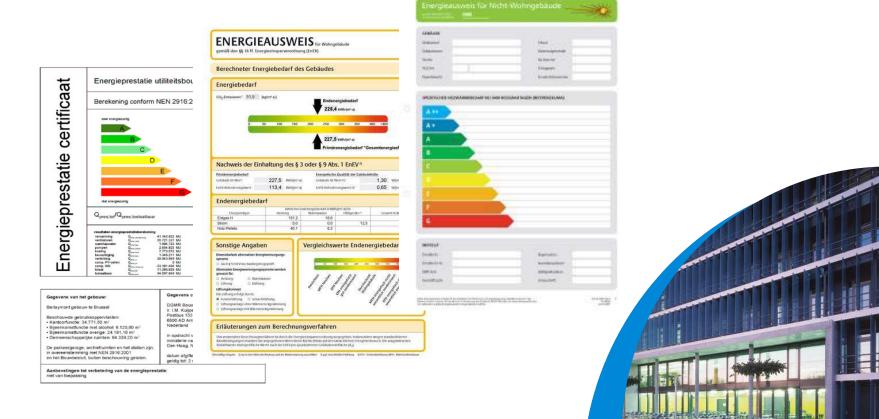
- Offers holistic approach towards more energy efficient buildings
- Member States to fix and implement:
 - A <u>methodology</u> to calculate and rate the energy performance
 - Minimum energy performance requirements for new and for existing buildings that undergo major renovation
 - Energy performance <u>certificates</u>
 - Regular <u>inspections</u> of heating and air-conditioning systems





EPBD – Energy Performance Certificate

Example for Member States' room for manoeuvre:



Better Energy Performing Buildings

- Energy performance requirements for all new and existing (under major renovation) buildings
- Alternative systems to be considered for all new buildings
- Benchmarking of the requirements as set up by MS
- Aligning of all MS with the cost-optimal levels
- Gradual transformation to next generation buildings



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Energy Performance of Buildings Directive – recast (1)

- a) All new build "nearly zero energy buildings" as of end of 2020 (public sector: end of 2018). Remaining energy need mainly covered by RES
- b) Minimum energy performance requirements for <u>all</u> existing buildings that undergo an <u>energy relevant</u> renovation
- c) <u>Level of minimum energy performance requirements</u> for new buildings (until 2020) and renovations: <u>Benchmarking</u> to achieve cost-optimal levels
- d) Requirement for Member States to lay down min. energy performance levels for technical building systems and building elements when installed, replaced or upgraded



Energy Performance of Buildings Directive – recast (2)

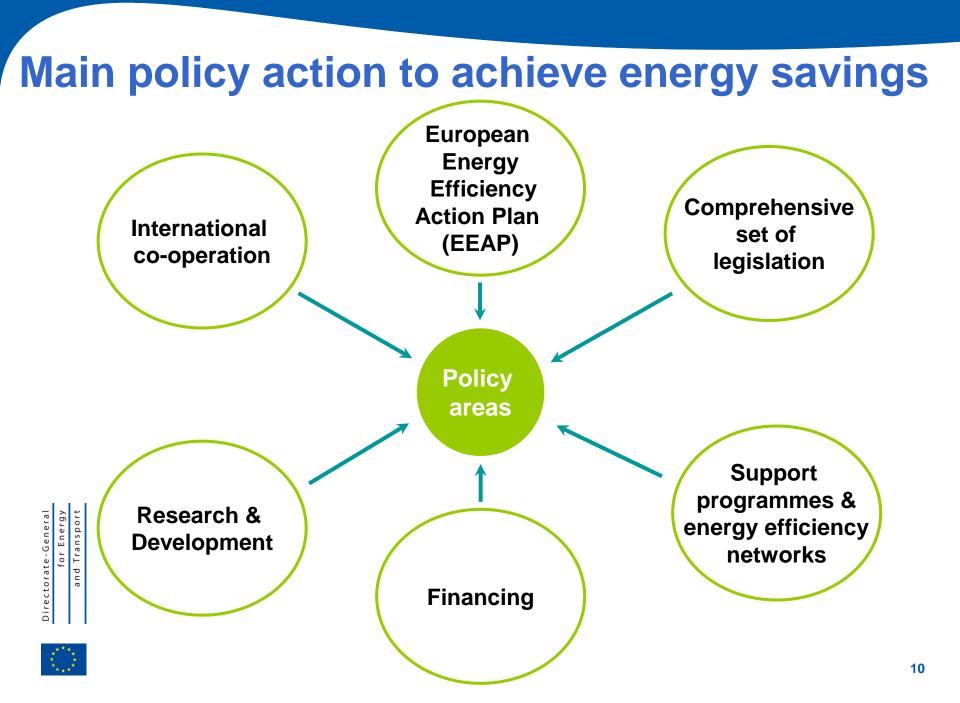
- e) <u>Display</u> of Energy Performance Certificates in public buildings (decrease of threshold to 500 m² and 250 m² after 5 years)
- e) Strengthening the role and the quality of <u>energy performance</u> <u>certificates</u> – i.a. by quality checks and obligatory use of the performance indicator in all advertisements for sale or rent
- f) Strengthening the role and the quality of HVAC inspections
- g) Stimulating financing mechanisms for energy efficiency investments in the building sector
- h) Exemplary role of public authorities

Support with implementation

- (1) Intelligent Energy Europe Programme (SAVE)
 - (2) European Commission's information service

"BUILD-UP Initiative" (www.buildup.eu) (3) Holistic set of European Standards on energy performance of buildings and their components (CEN standards)





Other related initiatives

- Lead market initiative since 2007, to identify nontechnical barriers
- **E2B** Public-private partnership for energy efficient buildings as part of the European Economic Recovery Programme (2 bln euro)
- Smart Cities initiative as part of SET-Plan
- Preparation to transfer uncommitted money from EERP to energy efficiency and renewables (115 mio Euro)



Public procurement communication in support of Europe 2020

Standardisation work of **CEN TC 350** to be finalised by 2012



Upcoming

• New Energy efficiency policy framework by end 2010/ beginning 2011





Directorate-General for Energy and Transport Thank you!

