



European Union 22-26 March 2010
Sustainable Energy Week

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WWF's views on retrofitting and heating system modernisation

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EPBD, what is there?

- Nearly zero energy buildings for all new buildings by 2021, but risk of 27 different definitions in the EU
- Benchmark methodology to steer MSs requirements towards the cost-optimal level, but no real obligation to achieve it
- MSs to ensure an independent control system for energy certificates and inspection reports of heating and air conditioning systems
- MSs to fix penalties for infringement of the national provisions transposing the EPBD





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EPBD, what is missing?

- Cost-efficient energy saving potential of the building sector is estimated at 28% by 2020 (total reduction of 11% of EU final energy and CO₂ emissions)
- Recast EPBD does not
 - fully grasp the energy saving potential of the existing building stock
 - offer solutions to ensure fiscal and financial incentives
- Need of additional measures as a complement → Revision of the EEAP



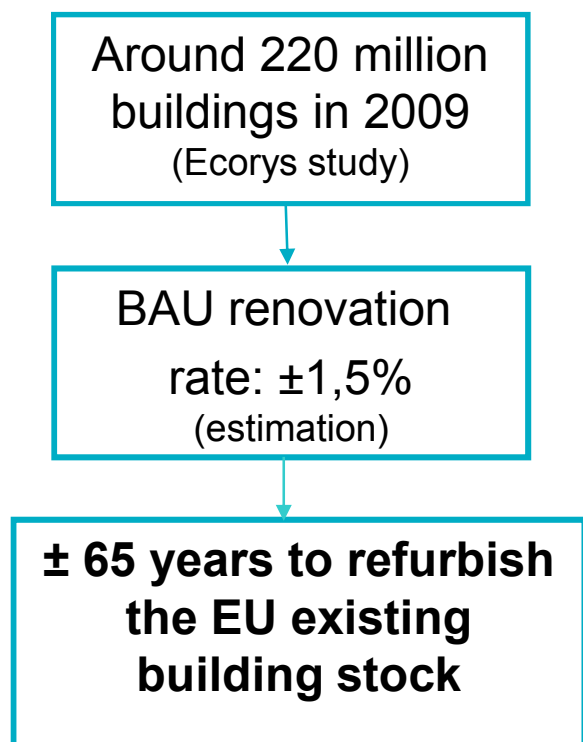
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Need to Increase the Pace of Renovations



- Need to at the very least doubling the renovation rates
 - Provide adequate financing
 - Reduce skills' gap
- EU has no time to lose: climate change, energy dependence and job creation must be urgently addressed!



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Avoid Energy Savings Lock-in

- Major energy renovations take place on average each 40 years
- Sub-optimal renovations are a lost opportunity
- Existing buildings to be renovated, where technically feasible, towards applicable standards for new buildings



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Innovative Financing Schemes

UK Strategy: Warm Homes, Greener Homes (March 2010)

- A new obligation on energy companies
 - Energy companies to deliver carbon savings through insulation measures in households
- Pay As You Save
 - Householders can install insulation and small-scale renewables at no initial cost, and then pay over time through the savings on their energy bills
 - The scheme is attached to the home, not the homeowner





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Phase out wasteful heating products

EuP Implementing Measure on Boilers and Water Heaters

- Install only boilers and water heaters based on renewable energy
- Where not possible, install top-of-the market technologies (phase out of non-condensing boilers)
- Use a unique and simple A-G label enabling comparison between heating solutions across technologies and energy sources
- Higher national requirements for heating systems with EPBD



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How to address slow replacement rates?

A first step in the right direction: UK Boilers Scrappage Scheme (January 2010)

- Currently 3.5 million homes in UK with G-rated boilers
- Target the worst products: financing to replace a G rated boiler with an A boiler
- Available for 125,000 households in 2010
- 140,000t CO₂ per year - equivalent to taking 45,000 cars off the road



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Conclusions

- Need of a comprehensive policy mix to boost energy savings in buildings and heating systems
 - Political will to deliver ambitious regulation (targets and ambitious minimum standards)
 - Appropriate and innovative financing schemes to help EU citizens
 - Capacity building and training to ensure the relevant sectors are ready and able to deliver



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Thank you!

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