



## The EPBD is the main instrument addressing building efficiency



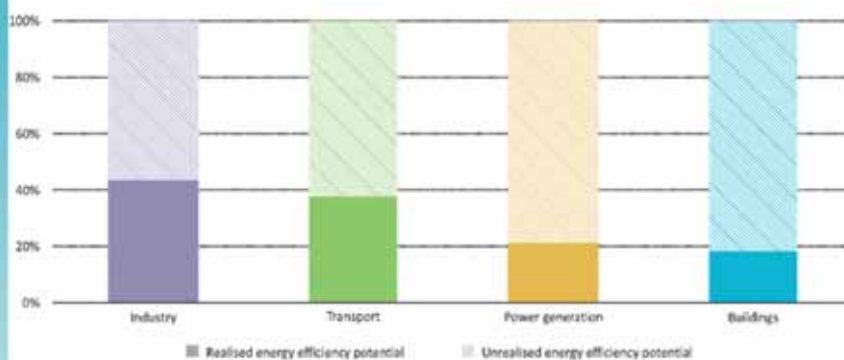
- *Energy performance approach:*
  - **Minimum performance standards for buildings with strengthened requirements for existing stock**
  - **Energy Performance Certification**
  - **Nearly zero-energy building targets for new buildings**
- *Underpinned by a benchmarking system to improve the level of ambition and keep it under review*



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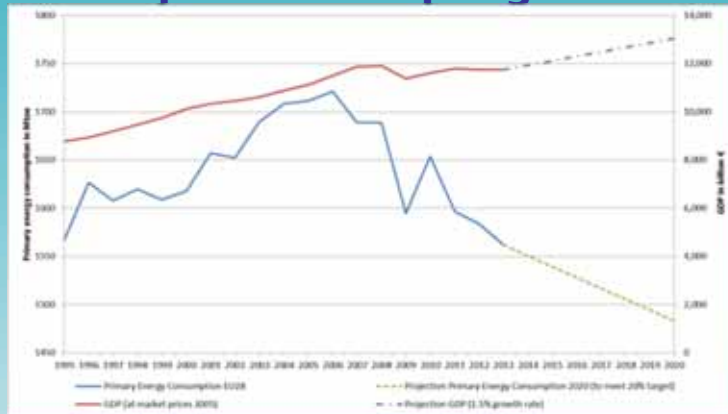


## Significant unrealised potentials





## Economic growth and energy consumption decoupling

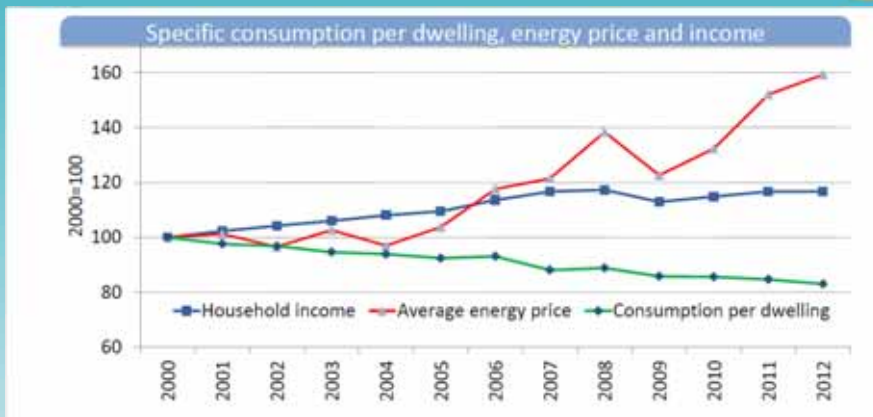


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## Efficiency requirements in the building codes have an impact



Source: Odyssee/Enerdata

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## Implementation is insufficient



- *With efforts for the EPBD concentrating on:*
  - **Strengthening local and regional verification of national building codes**
  - **Accurately informing consumers of the energy performance of buildings for sale or rent;**

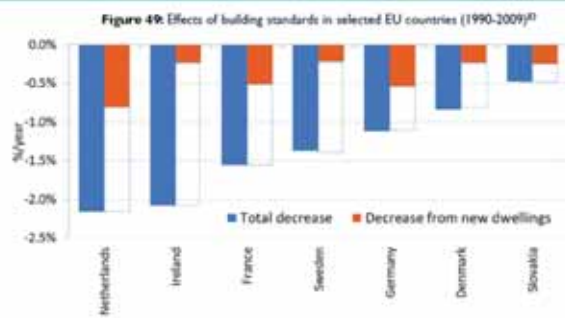
*In combination with making full use of available financing in particular ESIF*



## Impact of building codes



- New dwellings built in 2009 consume on average **40% less** than those built in 1990 (11% for IE, 16% for SE, 27% for DK, around 35% for FR and NL, around 50% for DE and SK).
- This positive effect is however restricted by the often limited volume of construction



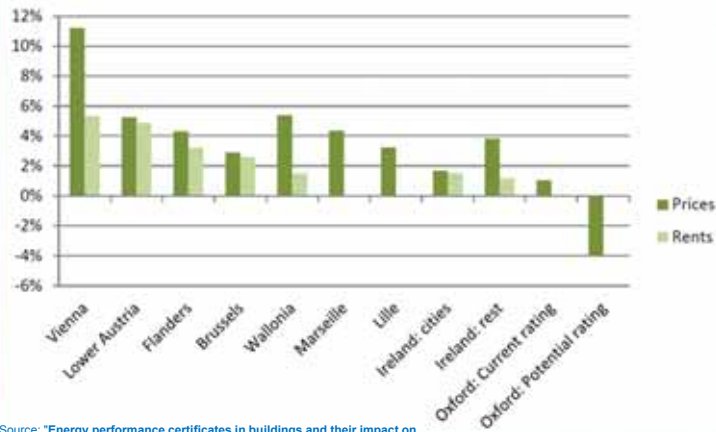
Share calculated from the ratio between the effects of new dwelling (orange bar in the Figure) and the total variation (blue bar).

Source: Energy Efficiency Trends in the EU  
"Lessons from the ODYSSEE MURE Project", January 2013





Effect of one-letter or equivalent improvement in EPC rating across a selection of European property markets (see also notes in the main report)



Source: "Energy performance certificates in buildings and their impact on transaction prices and rents in selected EU countries", April 2013

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## Other key challenges

- Difference between 'designed' and 'built'
- Demand response
- Behavioural aspects
- Renovation rates
- Workforce skills
- Financial support



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## Looking forward – Horizon 2020




- Establish demonstration projects on a larger scale, also addressing renovation of existing buildings
- Develop workforce skills, ideally through national strategies (i.e. BUILD UP Skills implementation)
- Plan (financial) support measures to stimulate NZEBs and market development



**EU energy targets and policies**

- ESI Funds
- EEEF
- Horizon2020
- ELENA



**Actions / changes on the ground**

**& the Investment Plan for Europe – European Fund for Strategic Investments**





**BUILD UP** **BUILD UP**  
energy subsidies  
for better buildings

The European portal for energy efficiency in buildings  
<http://www.buildup.eu>

**Managenergy**

Aimed at local and regional level public authorities  
<http://managenergy.net/>



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**Thank you for your attention**

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