



European  
Commission



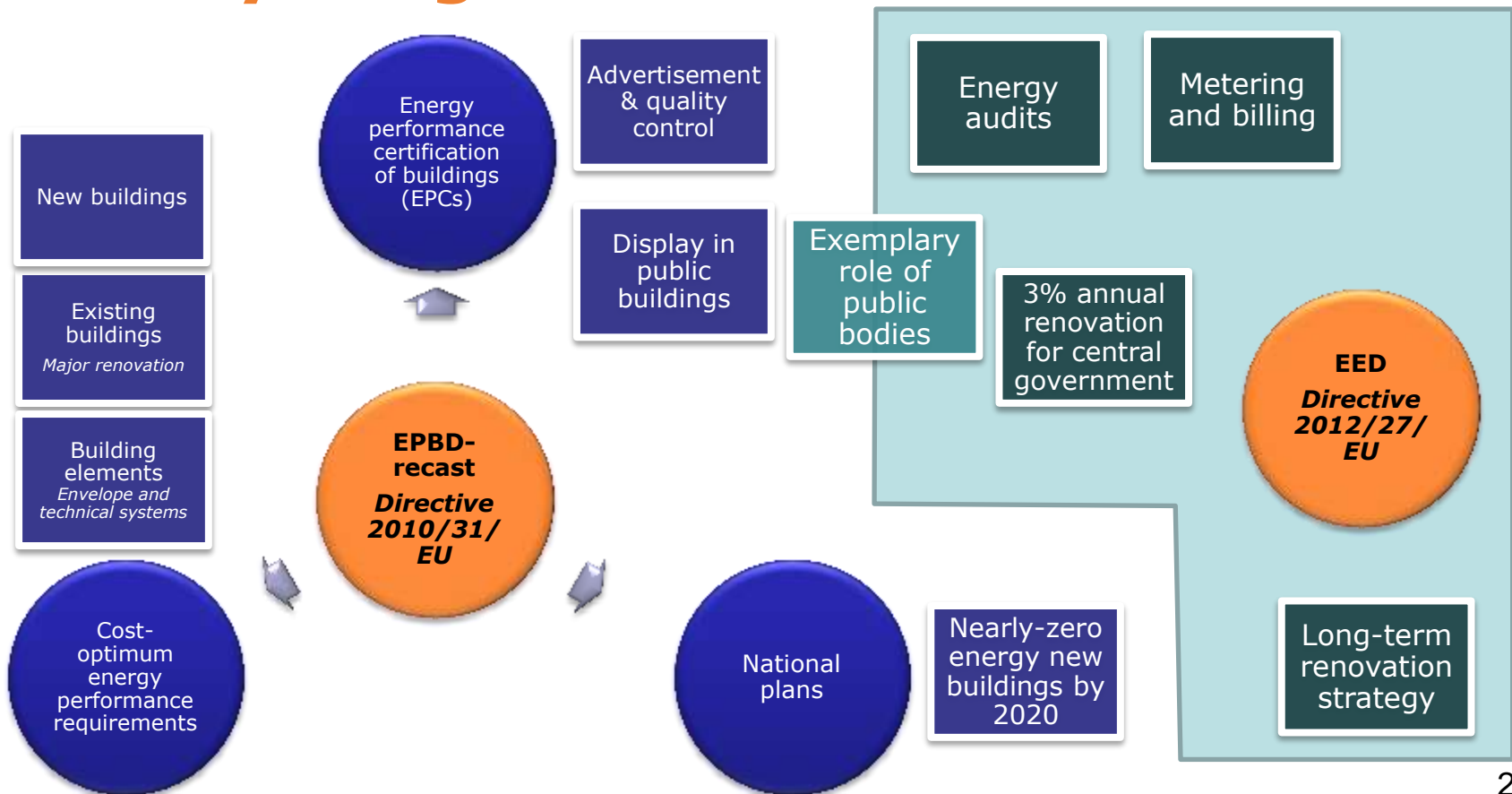
# Challenges and opportunities of the good quality building stock data for Europe

**BuildUp Webinar on  
Buildings Data**  
*28 Nov. 2013*

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# Energy efficiency in buildings

## Today's legislative instruments



## Energy Efficiency Directive - Timeline

30 April 2013

**Indicative national energy efficiency targets**

5 Dec. 2013

**Key decisions on energy efficiency obligations (or alternatives)**

1 Jan. 2014

**3% renovation obligation starts**

30 April 2014

**Long-term strategies for renovation**

5 June 2014

**Main transposition deadline**

30 April 2014

**National Energy Efficiency Action Plans**

30 June 2015

**Assessment of potential in gas and electricity infrastructure**

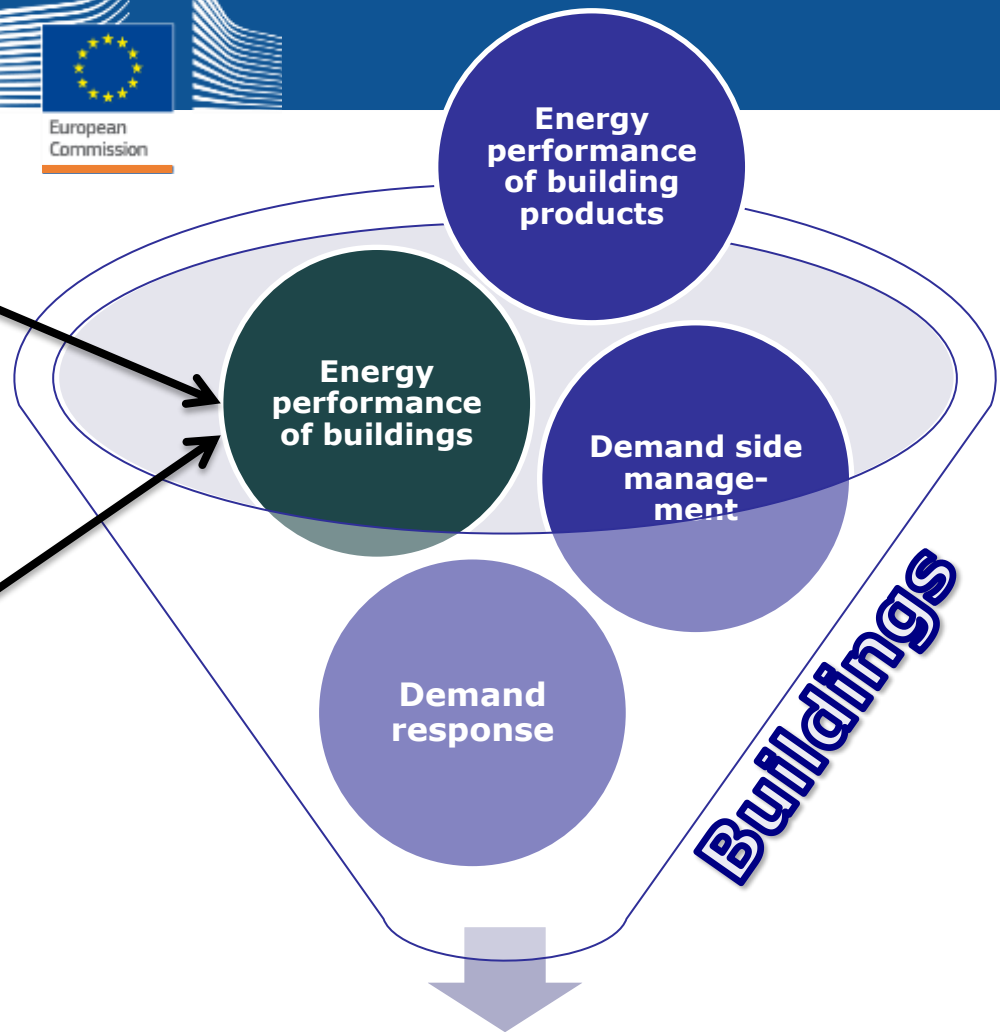
31 Dec. 2015

**Assessment of potential for district heating and cogeneration**

**Amount of energy needed to meet the energy demand associated with a typical use of the building.**

**Energy performance requirements must take into account:**

- **general indoor climate conditions to avoid potential negative effects**
- **local conditions, designated function and the age of the building**



**Primary and final energy consumptions, energy savings, etc.**

**Energy efficiency**

# Main challenges



*Plan and monitor a successful shift toward 2020 NZEB level for new buildings*

- **Moving cost-optimality to NZEB by 2020**
- **Avoiding potential negative side-effects (e.g. indoor air quality)**

*Design and monitor the long term renovation roadmap for the existing building stock*

- **Compliance with the requirements**
- **Monitoring of the building performance as such**

# Main opportunities

## *Mandatory independent control system*

- **EPBD-recast Art.18 and Annex II**
- **Operating from 1 January 2013**
- **Selection and verification of a random selection of at least a statistically significant percentage of all the EPCs/Inspection reports issued annually**
- **Energy certificates to be made available on request**

## *National/regional central database(?)*

# Building data needs

*Compliance monitoring*

*Supplementary data on energy performance of the building stock (vs. Energy use in buildings)*

- **Best policy mix building performance/behaviour**

*Potential side-effects monitoring*

- **Indoor climate, including indoor air quality**



**Thank you for  
your attention**

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[http://ec.europa.eu/energy/efficiency/index\\_en.htm](http://ec.europa.eu/energy/efficiency/index_en.htm)

