European Commission

EU energy efficiency policies and actions related to buildings

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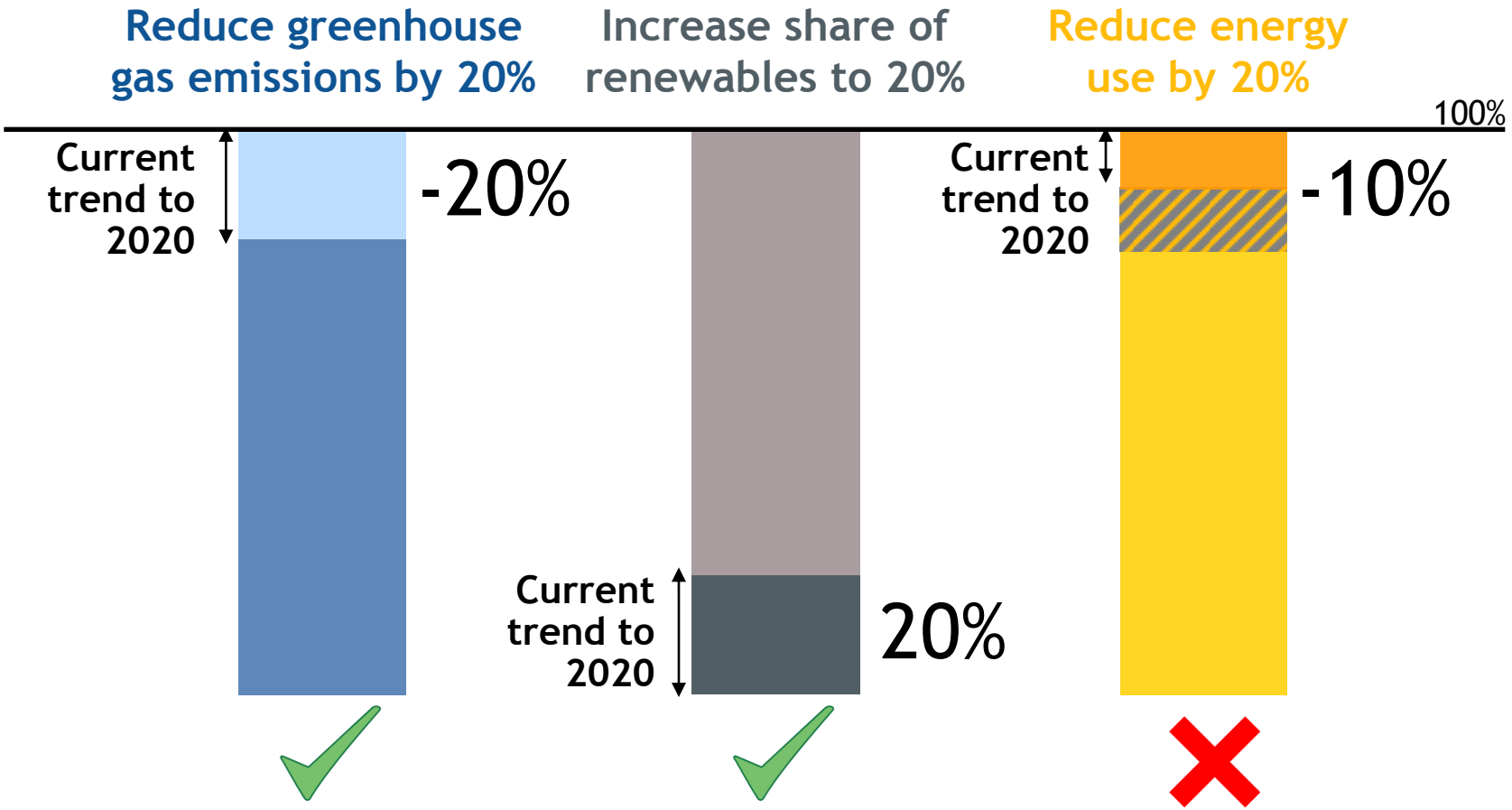
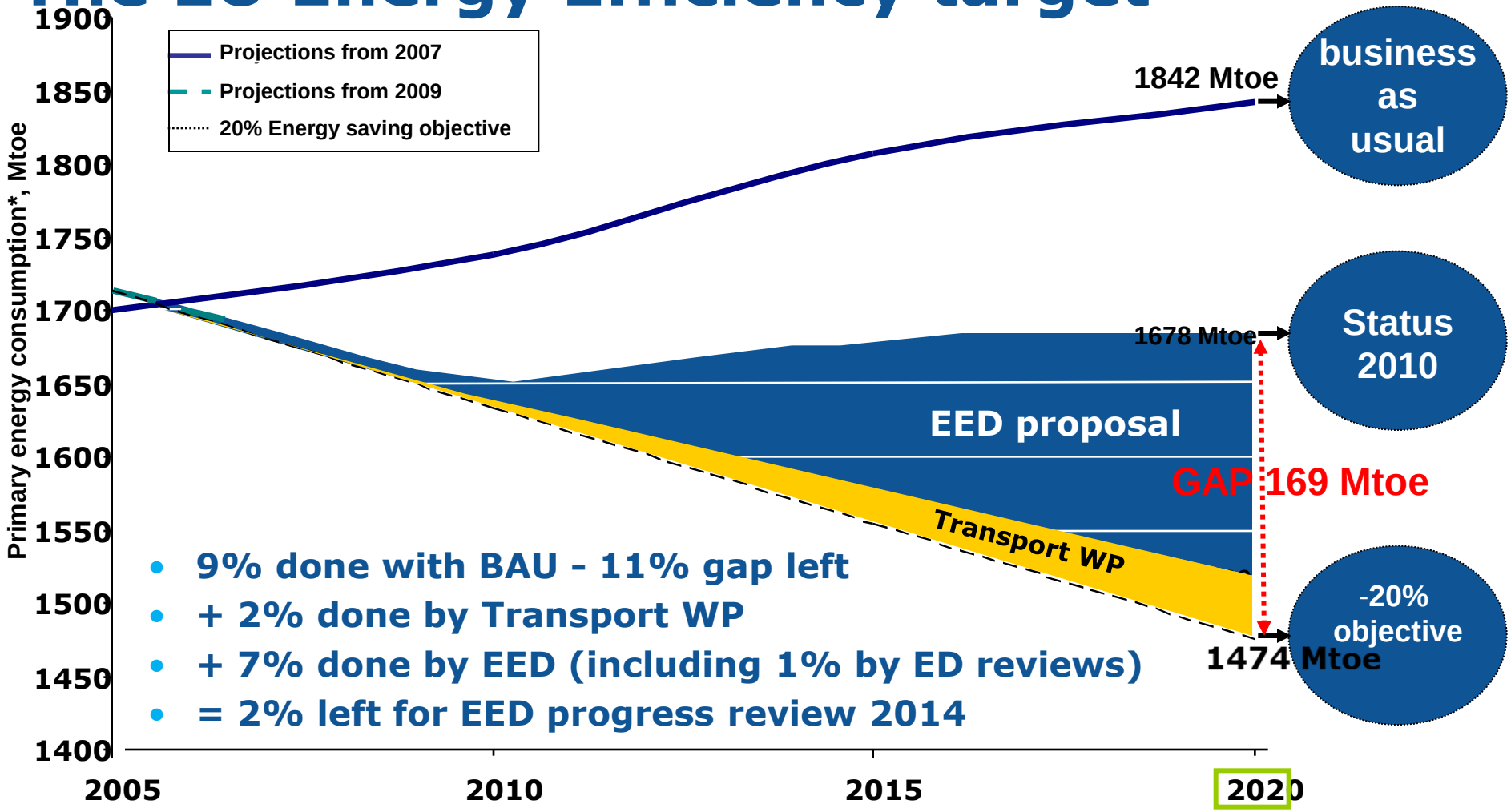
Energy

The EU 20-20-20 targets by 2020



The EU Energy Efficiency target



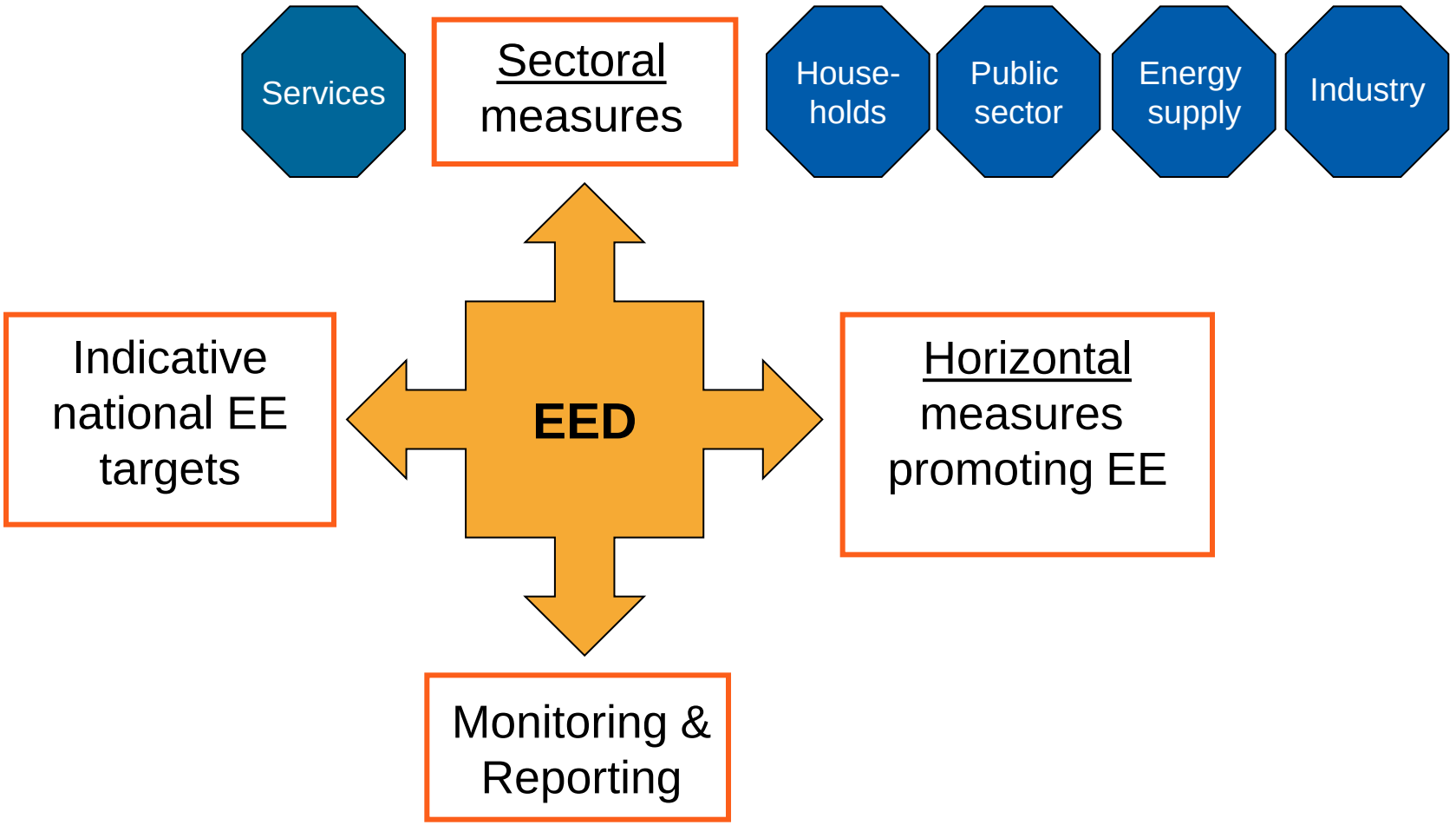
- 9% done with BAU - 11% gap left
- + 2% done by Transport WP
- + 7% done by EED (including 1% by ED reviews)
- = 2% left for EED progress review 2014

* Gross inland consumption minus non-energy uses

Main energy efficiency tools related to buildings

- Energy Efficiency Directive
- Energy Performance of Buildings Directive
- Product policy: Ecodesign, Energy and Tyre Labelling, Energy Star, Ecolabel, green public procurement
- Financing instruments

ENERGY EFFICIENCY DIRECTIVE



Energy Efficiency Directive
Main elements related to buildings

- **Art. 4: MS building renovation Roadmaps on strategy to mobilise investments – April 2014**

- **Art. 5: 3% renovation rate per year of central government buildings (or alternative approach)**

- **Art. 7: energy savings of 1,5% per year of the volumes delivered or sold by energy suppliers/distributors to be reached over 2014-2020 (to be delivered from energy efficiency obligation schemes or alternative policies)**

Energy Efficiency Directive
Other relevant provisions

- **Art 8: Energy audit obligation for large companies**
- **Art. 9-11: Billing and metering**
- **Art. 16-20: Training, information, energy services, removal of barriers and financing**

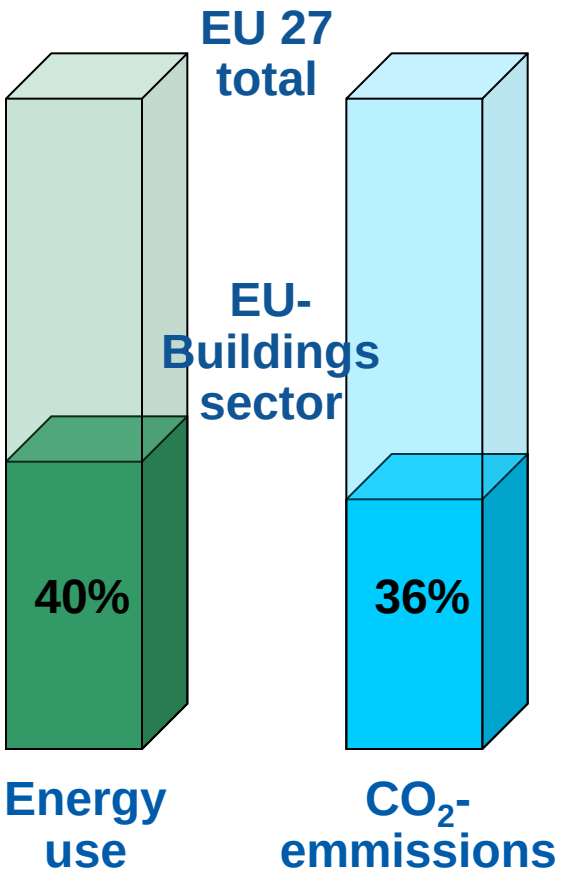
Commission interpretative documents 1 half of 2013

EED - TIMELINE

11 September 2012	• European Parliament vote
26 September 2012	• First of a series of expert meeting with Member States to discuss implementation
October 2012	• **Council vote – 4/10** • EP/Council signature – within **22-26/10 Plenary**
Nov. – Dec. 2012	• Publication in OJ – end November • **Entry into force – end 2012**
April 2013	• Member States submit National Reform Programmes with national energy efficiency objectives
first semester 2014	• **Commission Assessment Report** of progress towards 20% saving objective
May/June 2014	• Transposition deadline – 18 months after the entry into force (note: some Articles have earlier or later deadlines)

EPBD I
2010/31/EU

- Transposition by Member States July 2012
- Full transposition declared by 3 Member States
- Letter of formal notice to 24 MSs
- Reporting:
- - Financing and NZEB end 2013
- - Cost-optimal method end of 2014



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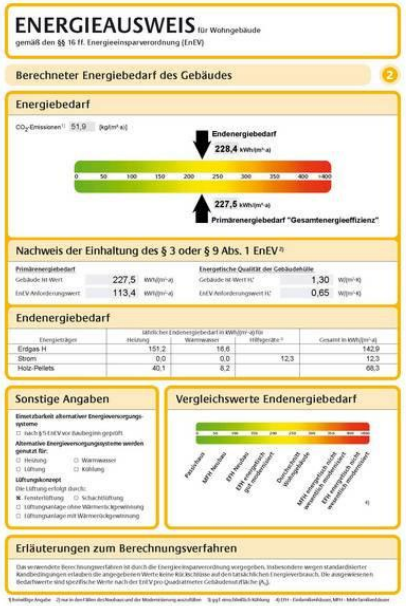
EPBD

Key elements

- **Framework Directive – subsidiarity: MSs to act**
- **Cost-optimal minimum energy performance requirements set by MSs on all buildings – life-cycle approach**
- **Energy Performance Certificates**
- **Regular inspection of heating and cooling systems (or alternative)**
- **Independency of experts (on inspections and certificates)**
- **Exemplary role of public sector**



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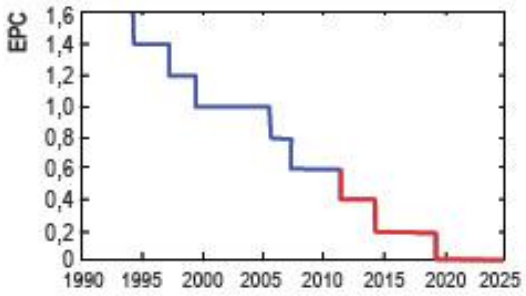
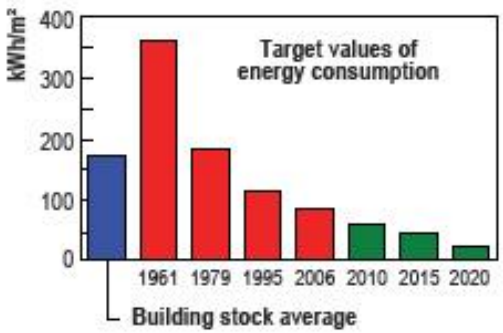
EPBD

Many have identified targets

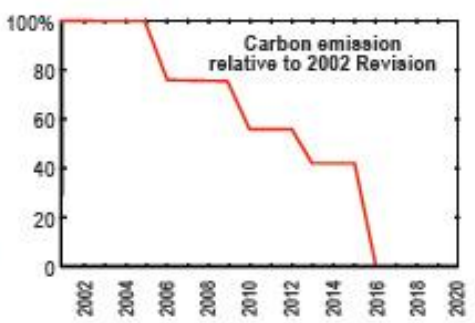
The Netherlands



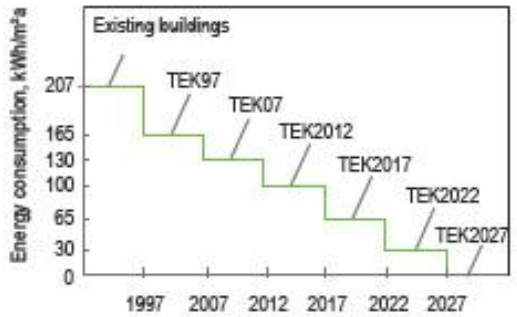
Denmark



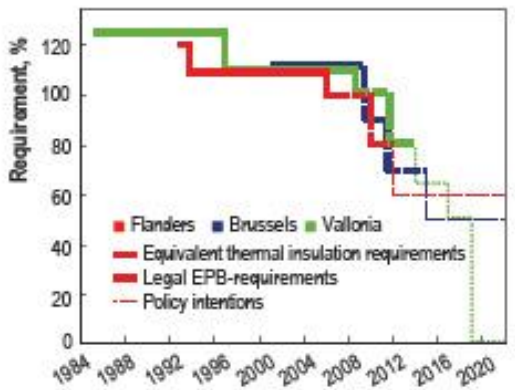
United Kingdom



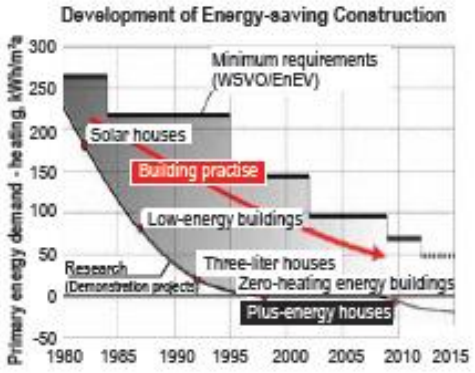
Norway



Belgium

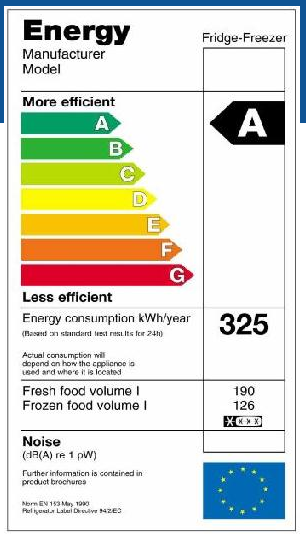


Germany



Source: REHVA

Product policy
Main instruments



- *Ecodesign Directive 2009/125/EC*
- *Energy Labelling Directive 2010/30/EU*
- *Energy Star*
- *Ecolabel*
- *Green public procurement and other incentives (set mainly at the level of Member States)*

Main Ecodesign and Energy Labelling implementing measures related to buildings

- Motors, fans, pumps and circulators
- Airconditioners and comfort fans
- Lighting products

- Heaters and water heaters

Main Ecodesign and Energy Labelling implementin measures related to buildings

Legislation to be adopted in 2013:

- Airconditioning and ventilation systems
- Local room heating products and solid fuel boilers
- Central heating products using hot air

Legislation to be adopted in 2014:

- Waste water pumps
- Motors not covered by Reg 640/2009

Draft Ecodesign Workplan 2012-2014

- Windows and insulation materials
- Smart appliances/meters
- Power generating equipment

Future before 2020 – how to continue?

- Review of Energy Labelling Directive and certain parts of Ecodesign - **2014**
- Energy Efficiency Directive – Commission reports on progress- **June 2014**
- Energy Performance of Buildings Directive – **review 2017** -->

…and beyond 2020

Roadmap 2050

- **Explore routes towards a low-carbon energy system by 2050**
- **Give more certainty to governments and investors**
- **Energy efficiency is a 'no-regrets' option**
- **Well-functioning energy markets are key**

More information

http://ec.europa.eu/energy/efficiency

http://europa.eu/europedirect

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Thank you for your attention!