



Ecodesign preparatory study
DG ENTR Lot 7 - Steam boilers
1st stakeholdr meeting
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Ecodesign Lot9



The meeting is aimed to:

Give an overview of the draft ongoing work on this Ecodesign Lot (in the preparatory study stage)

Get feedbacks/exchange opinions

Promote data gathering

Energy efficiency of products

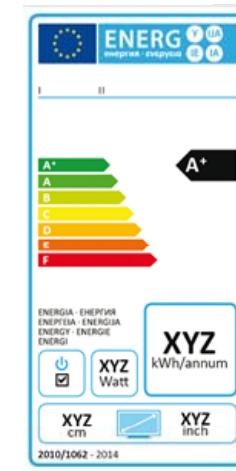


Main instruments

Ecodesign Directive 2009/125/EC: "Framework" defining the "rules" for setting product-specific requirements/legislation on energy efficiency and further parameters. Compliant products receive "CE Mark"

Compulsory

Energy Labelling Directive 2010/30/EU: "Framework" defining the "rules" for setting product-specific requirements/legislation on standard information of the consumption of energy and other resources



Other related instruments

Ecolabel: The EU Ecolabel helps identify products and services that have a reduced impact on the environment throughout their life cycle, from the extraction of raw material through production, use and disposal.

Voluntary

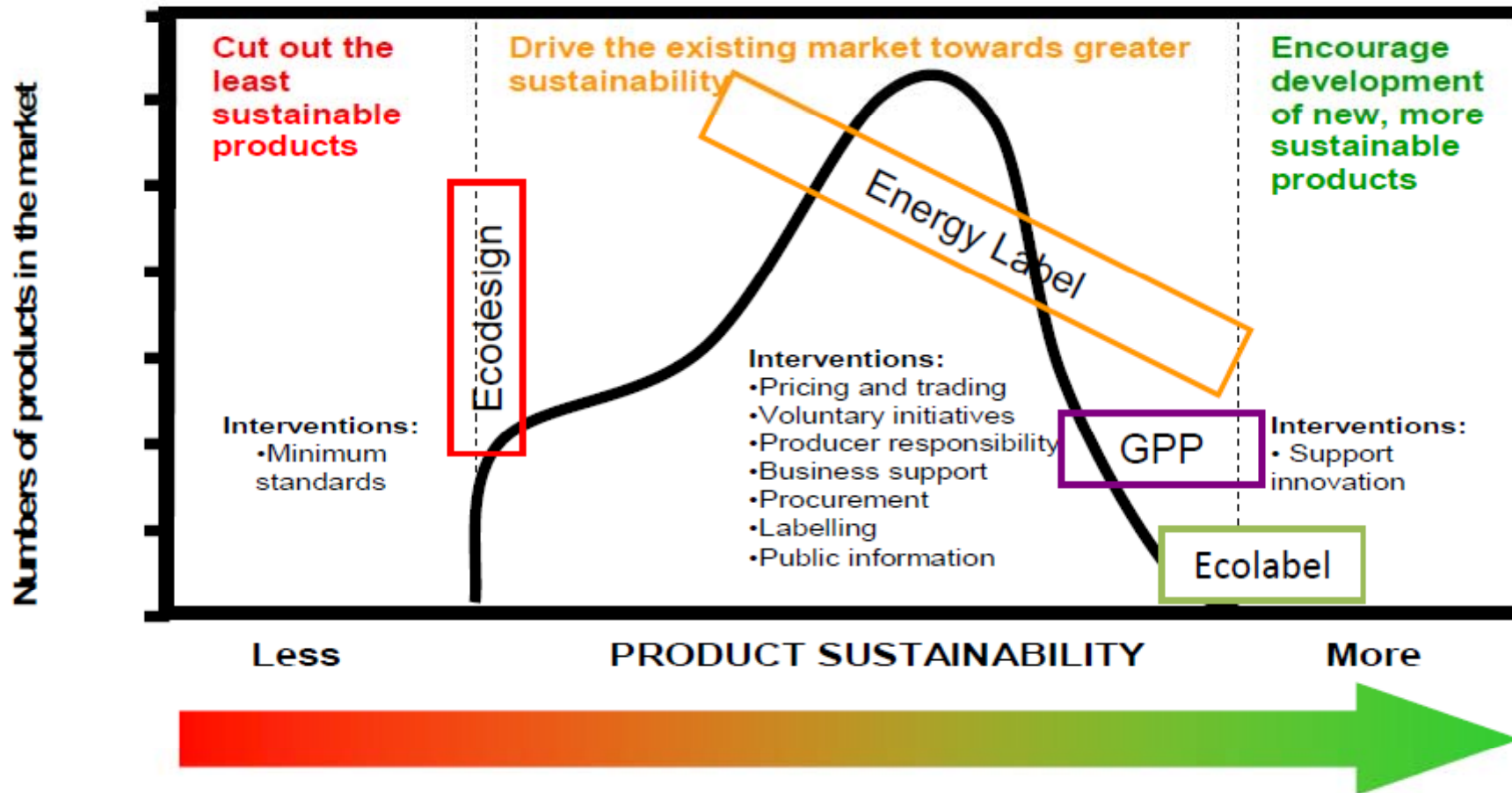
Green Public Procurement: Voluntary instrument. GPP can help stimulate a critical mass of demand for more sustainable goods and services which otherwise would be difficult to get onto the market.



Increased Energy Efficiency & Sustainability of Products



PRODUCT INTERVENTIONS – Overall approach



Ecodesign Directive 2009/125/EC



*EU's main legal instrument to improve the environmental performance of **energy-related products***

- Exemption for the **automotive sector** regulated in the type-approval legislation

***Framework Directive** → requirements on product-by-product basis, based on **Life-cycle approach**, via:*

- Implementing measures ("daughter" regulations), **OR**
 - Voluntary agreements
- + other actions (standardisation, market surveillance, help desk)

SIGNIFICANCE TESTS - *Implementing measures only for products with:*

- Significant environmental aspects**
- Significant potential for improvement**
- Significant trade and sales volume [indicative threshold: 200 000 units per year, BUT subsidiary to Tests (i) & (ii) above]**

Ecodesign Directive 2009/125/EC



Ecodesign Requirements

- Generic, aiming at the improvement of the overall environmental performance, focusing on environmental aspects identified in the implementing measure

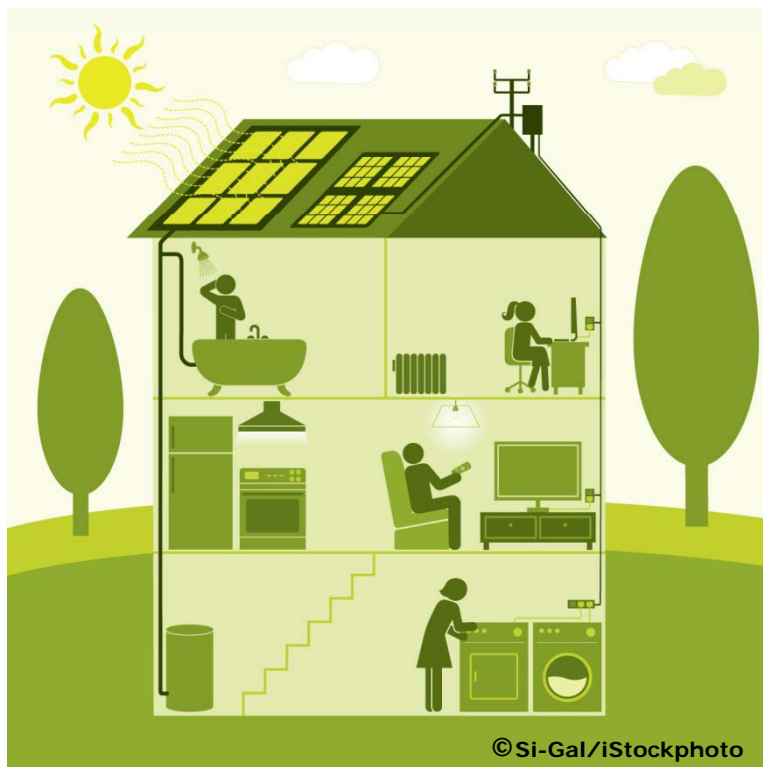
and/or

- Specific, in the form of limit values or thresholds for selected environmental aspects with a significant adverse impact on the environment, e.g. **Minimum Energy Performance Requirements (MEPS)**
- **ANY** environmental aspects of **SIGNIFICANCE** may be addressed, provided that they can be realistically be enforced by Market Surveillance authorities. Energy has been the most frequent aspect historically, as the most significant “low-hanging fruit” improvement actions for energy-using products usually involve energy efficiency.

Ecodesign and Labelling - results achieved



Story so far.....



39 'Lots' with some 50 product groups

14 Ecodesign Regulations and 5 Energy Labelling Regulations adopted

Product	Example Estimated savings by a set of Regulations (annual by 2020) [TWh]
Standby	35
Simple set-top boxes	6
Street & Office lighting	38
External power supplies	9
Domestic lighting	37
Electric motors	135
Circulators	23
Freezers/refrigerators	6
Televisions	43
Fans	34
Air conditioning and comfort fans	11
Total [TWh]	377

Ecodesign Working program 2012-2014



Priority product groups:

Window products [DG ENER]

Steam boilers (< 50MW) [ENTR Lot 7]

Power cables [ENTR Lot 8]

Enterprises' servers, storage & ancillary equipment [ENTR Lot 9]

Smart appliances/meters [ENER]

Wine storage appliances [ENER]

Optional product groups:

Positive displacement pumps

Fractional horse power motors under 200W

Heating controls

Lighting controls/systems

Thermal insulation products for buildings

Additional combined energy savings potential: over 500 TWh per year by 2030.

Power generating equipment: Inclusion of this product group was requested by stakeholders. Specific study assessing the potential of power generating equipment <50MW will be launched.

Preparatory and adoption procedure



1. Product study completed

2. Consultation Forum and first proposal

3. Draft regulation

4. Approved by Regulatory Committee

5. Final regulation

Preparatory phase

Adoption phase

