



## The broader picture



### Energy Union Framework Strategy

COM(2015)80 final, 25.2.2015

"The Commission will continue to push for standardisation and to support the national roll-out of smart meters and to promote the further development of smart appliances and smart grids, so that flexible energy use is rewarded."

(...)

"However, this will only work if market prices send the right signals."

### Smart appliances

- · help accommodate renewable energy
- help increase efficiency over the whole system
- can contribute to improve end user energy efficiency
- thus save energy and CO2 and contribute to security of supply

### "Chicken & Egg Problem"

- Without price signals and rewards, no incentive for consumers to buy smart appliances and to participate in DR.
- Without consumers equipped to participate in demand response, less (or no) incentive to offer timedifferentiated supply contracts.

# **Product Policy**



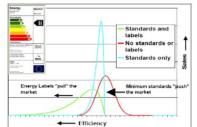
### **Environmental performance of products – main instruments**

### Ecodesign Directive 2009/125/EC: Framework defining the «rules» for setting

product-specific requirements/ legislation on aspects that determine the environmental performance of a product (focus: energy efficiency but also other parameters).

# Energy Labelling Directive 2010/30/EU:

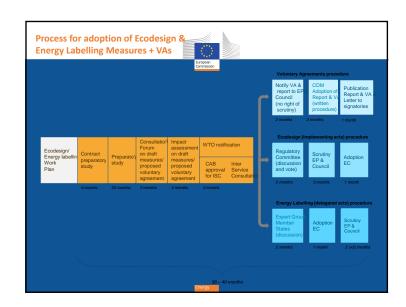
Framework defining the «rules» for setting product-specific requirements/ legislation on standard information regarding the consumption of energy and other resources

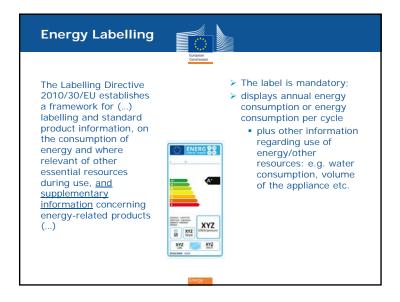


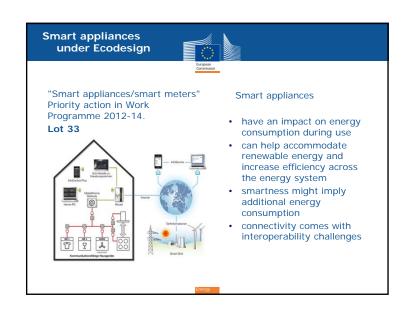
The Ecodesign Directive addresses the **supply side** while the Energy Labelling Directive addresses the **demand side**.

It is the **combined** effect of both measures which ensures a dynamic improvement of the market.

# Ecodesign sets (mandatory) requirements for Energy related Products ("ErP") to improve their environmental performance. > Ecodesign Directive 2009/125/EU establishes the framework (conditions, criteria, procedures etc.) > Products are subject to – usually - product-specific "Implementing Measures" (Regulations) or "Voluntary Agreements" > Legal base is (old) Article 95: Internal Market – free movement of goods > Products to be addressed under Ecodesign are stipulated in the "Ecodesign Working Plan" > Basis for any Ecodesign measure is a technical "preparatory study (delivers also relevant elements for energy label). > Ecodesign is about products, not systems







### **Preparatory Study** Lot 33 **Preparatory Studies** The Lot 33-Preparatory Study (kicked analyse the technical, off in October 2014): economic, has a horizontal approach environmental, market and societal aspects of a will mainly be about functionalities (strong focus on demand response) product group. will assess possible positive and negative impacts of these Basic structure is the functionalities on the environment, "MEErP" (Methodology consumers, industry etc. for Energy related • Smart meters will be mainly products). assessed in terms of their energy consumption · Interoperability seems to be a major challenge



