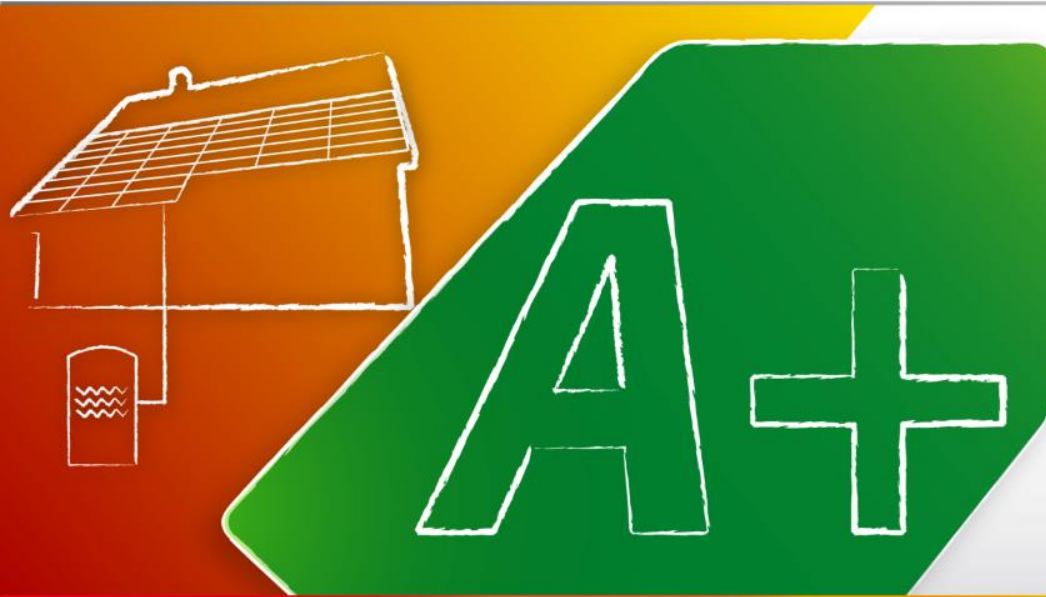




This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 649905

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Eco-design requirements?

The experience of the solar thermal sector

Pedro Dias, ESTIF Secretary General
Brussels, 17 May 2016

Aimed at products for the European market

Directive: 2009/125
Ecodesign

- Refrigeraters
- Vacuum cleaner
- Space heaters & combi-heaters
- Water heaters & hot water tanks
- ...

Directive: 2010/30
Energy labelling

- Washing machines
- Dishwashers
- Space heaters & combi-heaters
- Water heaters & hot water tanks
- ...



Regulations		
	Energy Labelling Directive 2010/30/EU	Ecodesign Directive 2009/125/EC
Lot 1	811/2013 space heaters, combination heaters, packages of space heater; temperature control and solar device and packages of combination heater; temperature control and solar device	813/2013 space heaters and combination heaters
Lot 2	812/2013 water heaters, hot water storage tanks and packages of water heater and solar device	814/2013 water heaters and hot water storage tanks

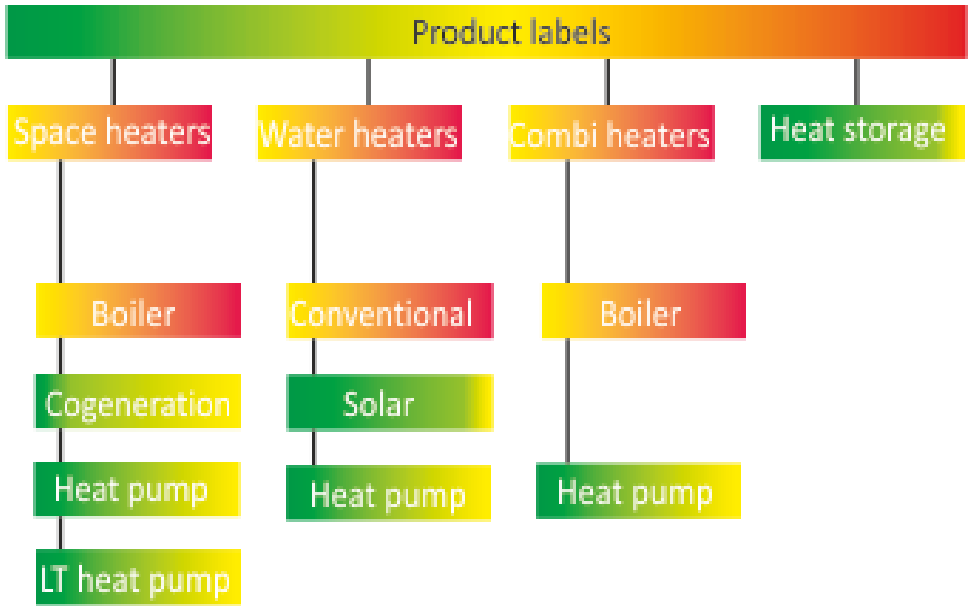
2005

2013

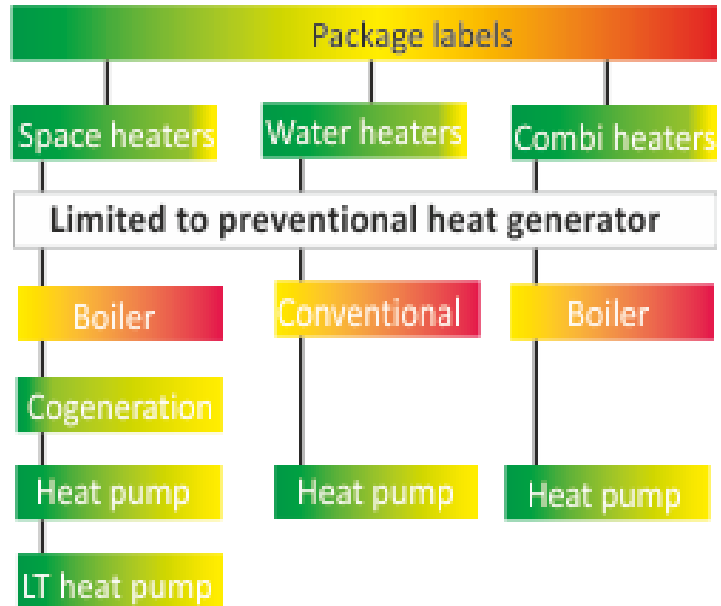
EN

Energy		Gas Water Heater	
Manufacturer	Logo		
Model	ABC 123		
More efficient 			
Less efficient Energy consumption MJ/year Average household use XYZ Electric use kWh/year (based on standard test results for 24 h) Actual consumption will depend on hot water use, installation and location. XYZ			
Size Class	II		
Noise (dB(A) re 1 pW)	xZ		
Further information is contained in product brochures Form EN XXXXXXXXXX Gas Water Heater label Directive xxx/yy/EC			

		ENERG Y IJA енергия · ενεργεια IE IA	
kW XYZ SEER X,Y kWh/annum XY		kW XYZ SCOP X,Y kWh/annum XY	
ZY db		ZY db	
ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI			
XYZ/2012			

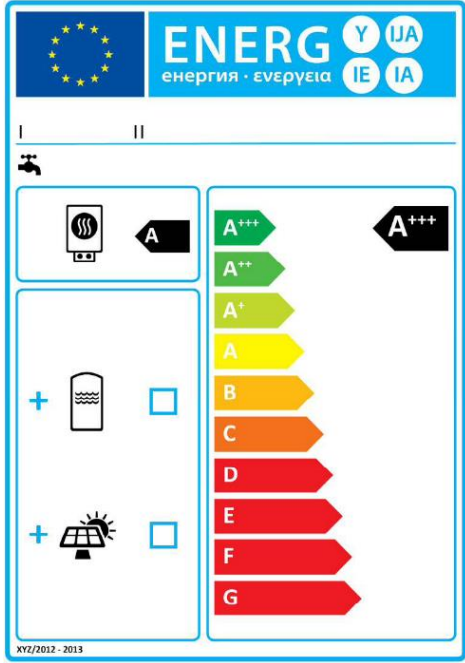


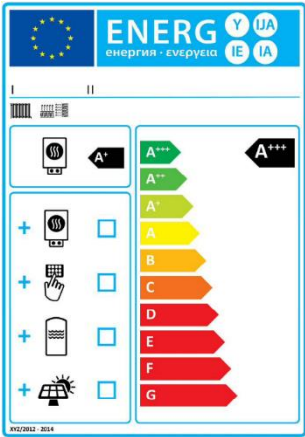
Example

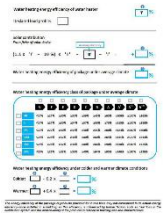


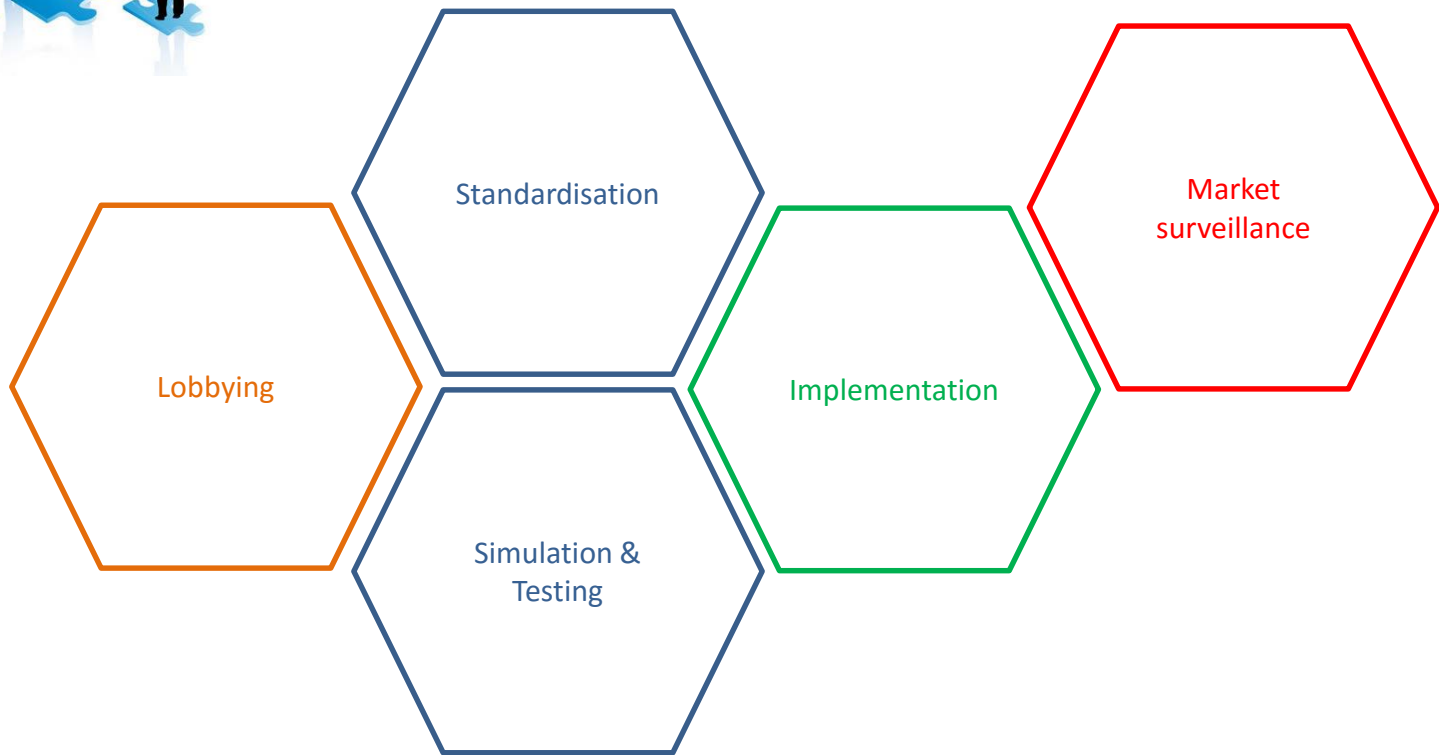
Example

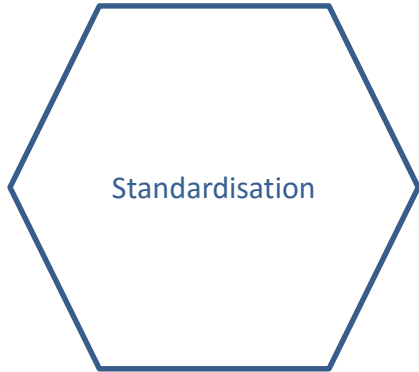








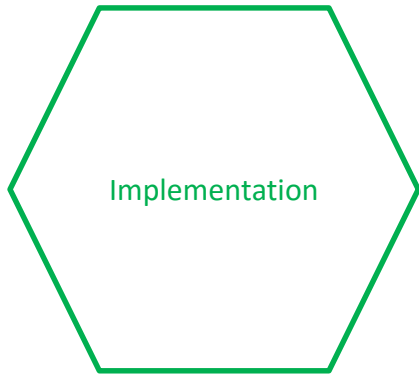




- Standards – CRITICAL !!!
 - Standardisation process slow and cumbersome
 - Important to anticipate needs
 - Plan needed reviews years in advance
 - Clear references
 - Standards generally accepted and used
 - Avoid contradictory references
 - Connection with other standardization work
 - Within CEN, under other TCs
 - Internationally, namely ISO



- Testing (& simulation)
 - Trust in testing infrastructure
 - Cooperation / Round-robin
 - Avoid shopping for test results
 - Self-declaration vs. third party certification
 - Interaction during preparatory and implementation process
 - Industry sharing results with trusted “pivots”
 - Commitment on common goals:
 - Resources
 - Procedures

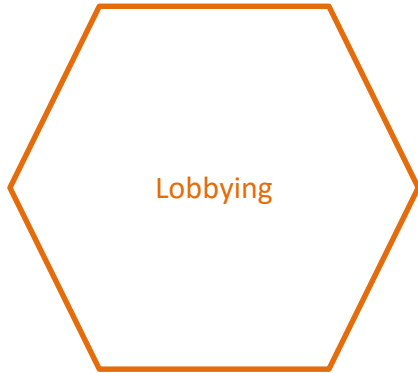


- Are we in a single market?
 - Interpretations of regulations \leq Members states
 - Implementation depends on political priorities
 - Different contexts \rightarrow different entities involved
- Who is in charge?
 - EC responsible for regulations
 - Members states responsible for implementation and monitoring
 - Potential limbo when doubts about regulations emerge

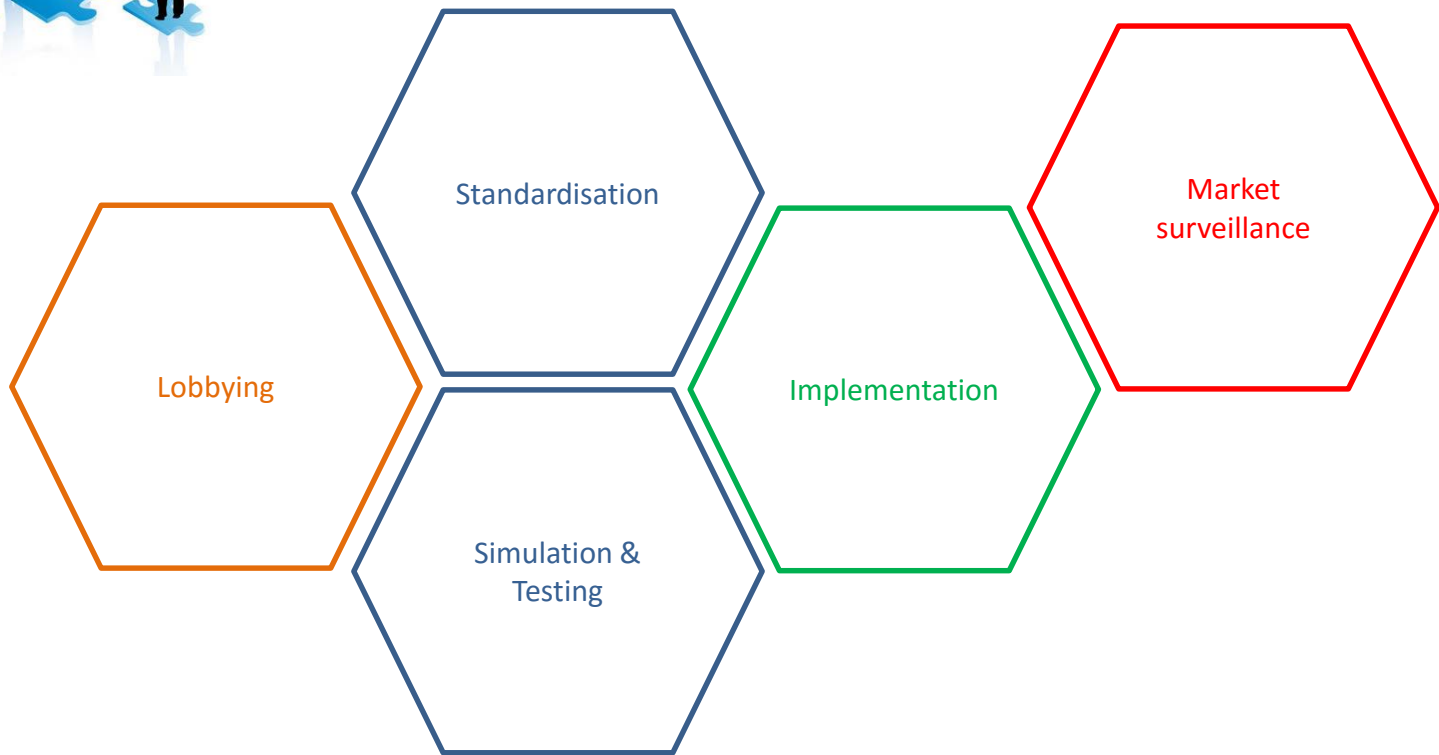
A red-outlined hexagon with the text "Market surveillance" centered inside in a red font.

Market
surveillance

- Different EU requirements based on proper market surveillance
 - Resources in Members States' agencies reduced
 - Demands on Members States' agencies increase
- Different markets might also mean different interpretations
- Monitoring depending on national priorities
- Need to ensure fair competition
- Clarity regarding complaint procedures



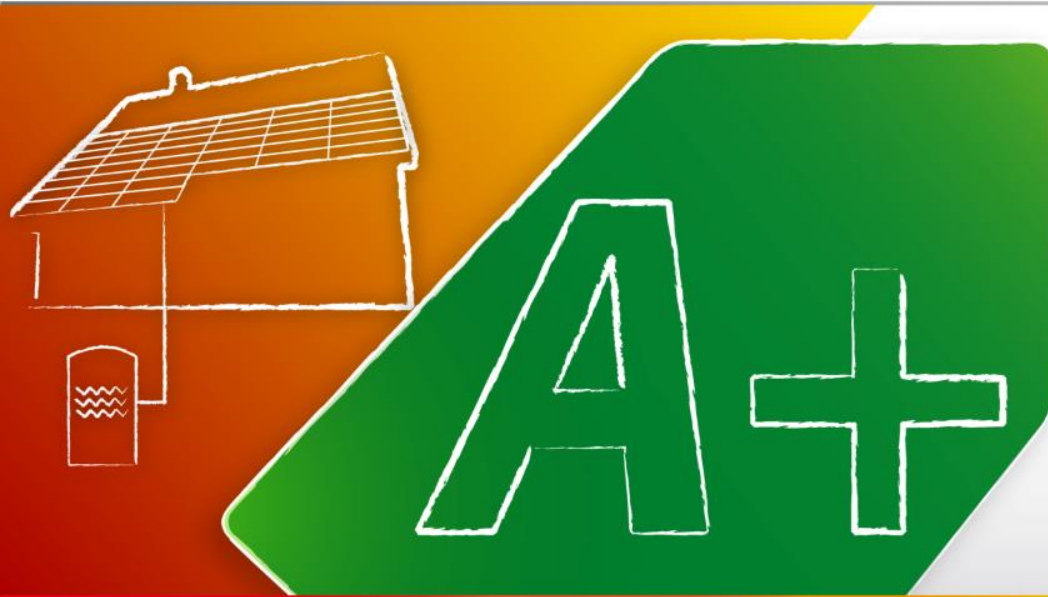
- Important articulation:
 - regulatory / technical / marketing
- Eco-design ↔ Energy labelling
 - Classes / requirements/ boundaries
- Understand competitive implications:
 - Between sectors / within the same sector
- Benefits vs constraints
 - For consumer / industry / stakeholders





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