

REGIONAL CONFERENCE ON ENERGY LABELLING

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Ecodesign – legal framework and future prospects

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- Ecodesign sets common EU wide minimum standards to eliminate the least performing products from the market
- The EU legislation for energy labels and ecodesign has been estimated to bring energy savings of approximately 230 million tonnes of oil equivalent (Mtoe) by 2030
- For consumers, this means an average saving of up to €285 per year on their household energy bills
- Moreover, energy efficiency measures will create €66 billion in extra revenue for European companies

Ecodesign requirements

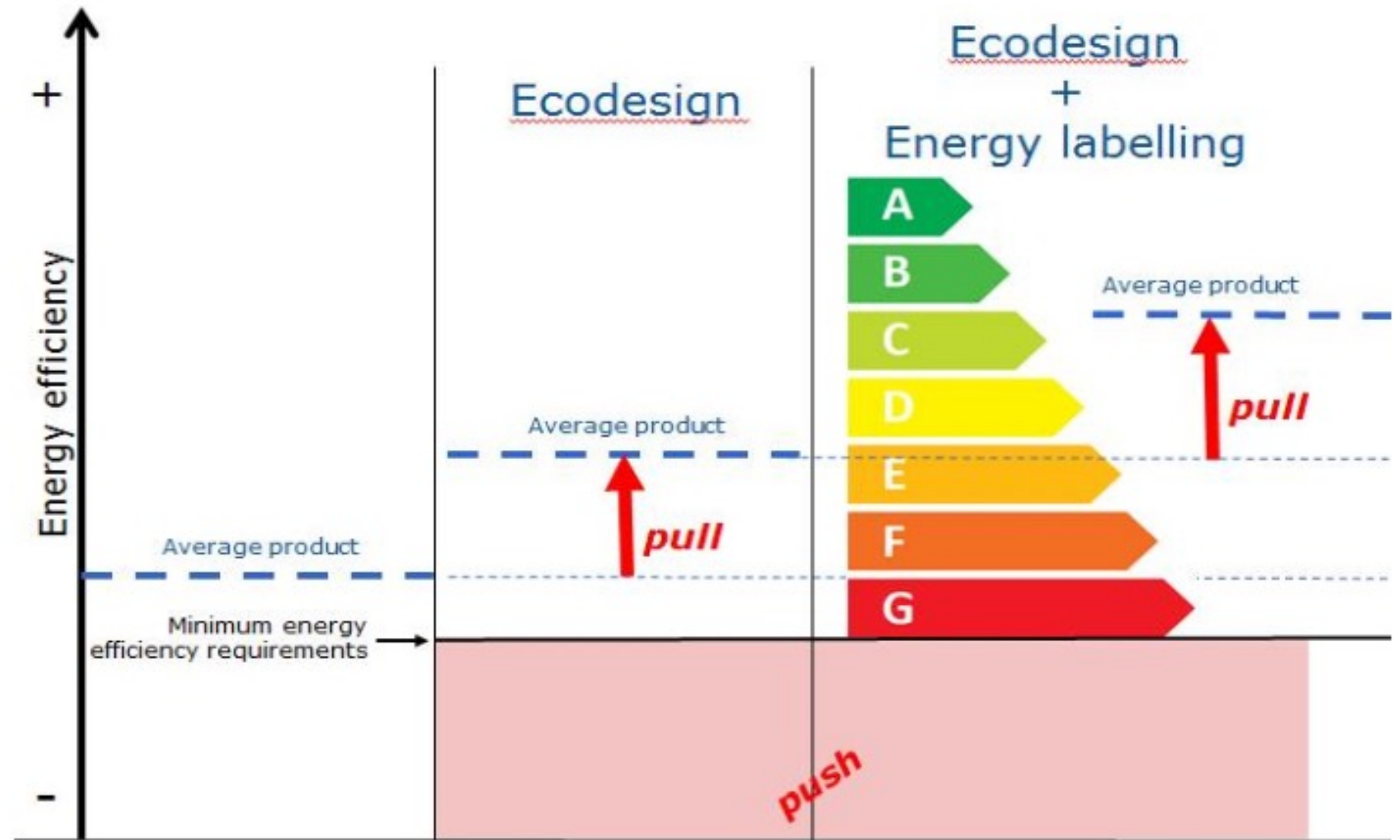


Figure 2: Effect of Ecodesign alone and when combined with Energy Labelling

- Ecodesign also supports industrial competitiveness and innovation by promoting better environmental performance of products throughout the internal market
- EU framework directive 2009/125/EC of 21 October 2009
establishing a framework for the setting of ecodesign requirements for energy-related products



Ecodesign requirements



- The ecodesign requirements for individual product groups are created under the EU's ecodesign directive
- The EU legislation on ecodesign is applicable on 31 of the product groups
- As an alternative, industry sectors may also sign voluntary agreements to reduce the energy consumption of their products
- The Commission formally recognizes such agreements and monitors their implementation

Energy labelling and ecodesign requirements

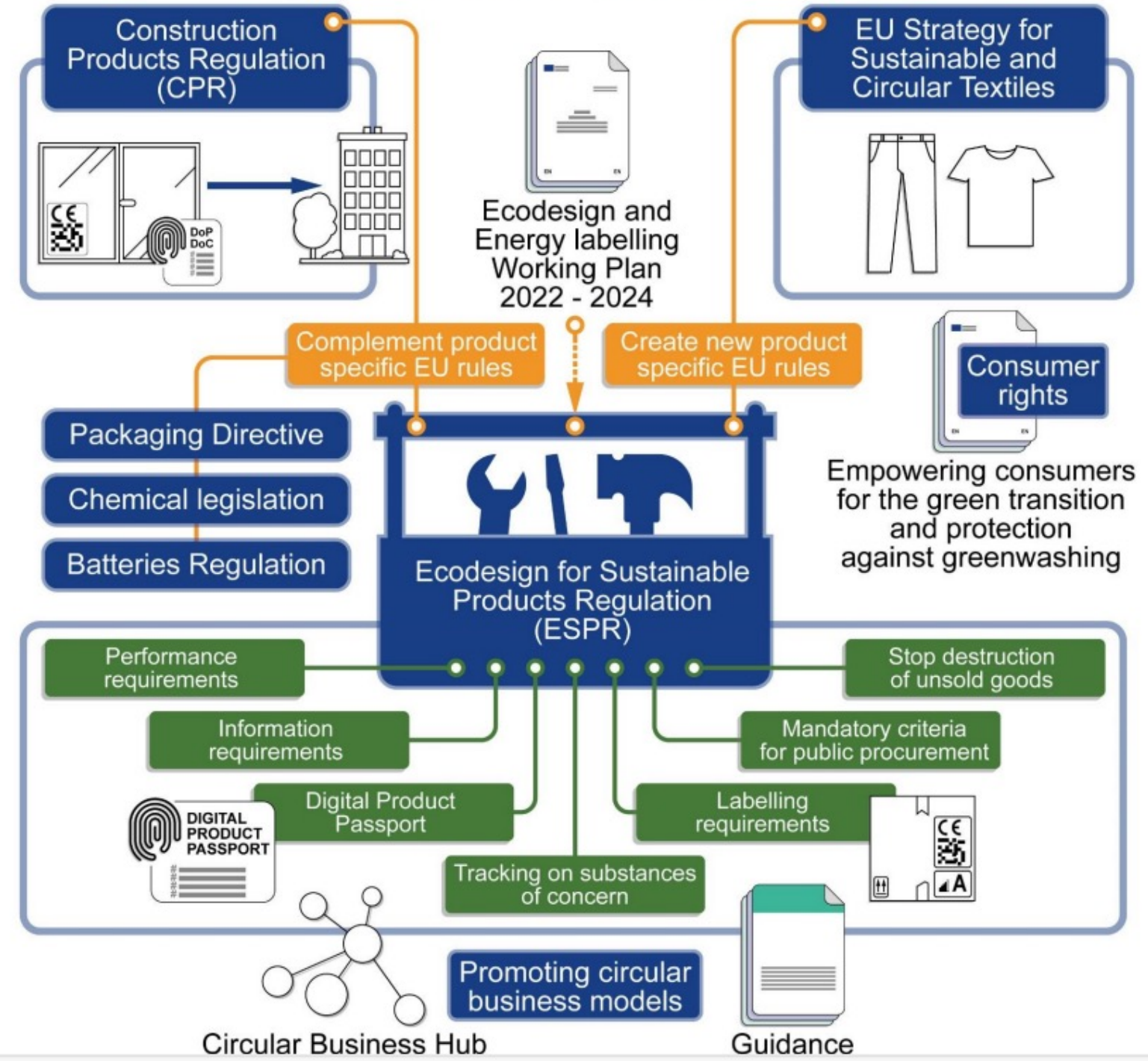
Product groups	Products	E-labelling	Ecodesign
Lighting	Light sources	X	X
Heaters	Local space heaters	X	X
	Space and water heaters	X	X
	Solid fuel boilers	X	X
	Air heating and cooling products		X
Refrigeration	Refrigerators and freezers	X	X
	Professional refrigerators	X	X
	Refrigerators with direct sales function	X	X
Vacuum cleaners	Vacuum cleaner		X
Washing machines and driers	Washing machines and washer-dryers	X	X
	Tumble driers	X	X
Air conditioners and fans	Air conditioners and comfort fans	X	X
	Industrial fans		X
	Ventilation units	X	X
	Air heating and cooling products		X
Off mode, standby and networked standby	Off mode, standby and network standby		X

Energy labelling and ecodesign requirements

Product groups	Products	E-labelling	Ecodesign
Electronic displays and TV boxes	Electronic displays including televisions	X	X
	Set-top boxes		X
Kitchen appliances	Cooking appliances	X	X
	Dishwashers	X	X
Pumps	Water pumps		X
	Circulators		X
Transformers and converters	Power transformers		X
	External power supplies		X
Computers and servers, imaging equipment, game consoles	Computers and small servers		X
	Servers and data storage products		X
	Imaging equipment		X
	Game consoles		X
Electric motors and welding equipment	Electric motors		X
	Welding equipment		X
Tyres	Tyres	X	

Circular economy working plan 2030

Making sustainable products the norm



To improve environmental sustainability of products and to ensure their free movement within the internal market

- Delegated regulations for product categories
- Repeals 2009/125/EC
- Energy Using and Non-Energy Using Products
- Finished Products and Intermediate Products
- Conformity Assessment Bodies
- Broadens the depth(18 aspects) of compliance checks.
- Alignment with Decision 768/2008

- Creates Digital Product Passport
- Creates the prohibition of the destruction of unsold consumer goods
- Non-CE products
- More obligations for duty holders (EOs, Online Platforms etc.)
- Product Life Cycle

Prioritized products

End-use products

		WATER	AIR	SOIL	BIODIVERSITY	WASTE	CLIMATE CHANGE	ENERGY USE	HUMAN TOXICITY	MATERIAL EFFICIENCY	LIFETIME EXTENSION
Score 43	TEXTILES and FOOTWEAR 	5	2	4	4	5	5	5	3	5	5
Score 30	FURNITURE 	1	3	3	3	4	3	3	2	3	5
Score 30	CERAMICS PRODUCTS 	3	3	3	3	3	4	4	1	3	3
Score 30	TYRES 	3	4	3	3	3	3	3	2	3	3
Score 28	DETERGENTS 	4	2	1	4	3	3	3	2	3	3
Score 26	BED MATTRESSES 	1	3	1	2	5	3	3	2	3	3
Score 24	LUBRICANTS 	2	2	2	2	2	3	3	2	3	3
Score 24	PAINTS 	3	3	2	3	3	2	2	2	3	1
Score 23	COSMETICS 	4	2	1	4	3	2	1	2	3	1
Score 22	TOYS 	1	1	1	1	3	2	2	3	3	5
Score 21	FISHING GEARS 	4	1	1	4	3	2	1	1	3	1
Score 18	ABSORBENT HYGIENE PRODUCTS 	2	1	2	2	4	2	2	1	1	1

Prioritized materials

Intermediary products

	WATER	AIR	SOIL	BIODIVERSITY	WASTE	CLIMATE CHANGE	ENERGY USE	HUMAN TOXICITY
Score 31 IRON & STEEL	5	5	2	2	4	5	5	3
Score 27 NON-FERROUS METAL PRODUCTS	3	2	3	2	5	4	5	3
Score 26 ALUMINIUM	1	4	4	3	4	4	4	2
Score 25 CHEMICALS	3	3	3	3	3	4	4	2
Score 23 PLASTICS	3	3	2	2	3	4	4	2
Score 22 PULP & PAPER	3	2	3	3	2	4	4	1
Score 19 GLASS	3	2	2	3	1	3	4	1