



- Ecodesign what is it?
- Proposal for new ecodesign framework (ESPR)
- Working plan 2024 –
- The development of product requirements

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Making sustainable products the norm in a more resilient Single Market



Overview of initiatives in the Circular Economy package

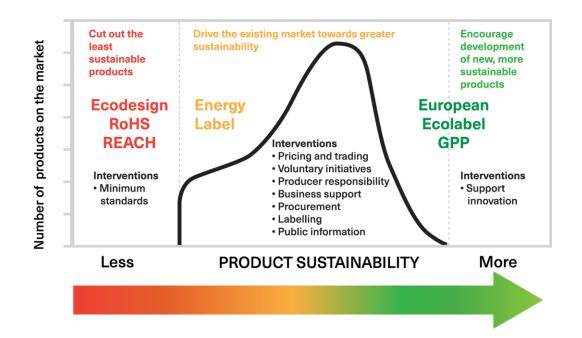




What is ecodesign



What is ecodesign short describtion







The Ecodesign regulation does not set specific measures. Rather, it enables their later adoption





PRODUCTS UNDER CURRENT ECODESIGN

- Air conditioners and comfort fans
- Circulators
- Computers
- Domestic cooking appliances
- Electric motors
- External power supplies
- Household dishwashers
- Household tumble driers
- Household washing

- machines
- Industrial fans
- Lighting products
- Local space heaters
- Heaters and water heaters
- Power transformers
- Products for central air heating and cooling incl. liquid chillers (HT)
- Professional refrigerated storage cabinets

- Refrigerators and freezers
- Simple set-top boxes
- Solid fuel boilers
- Standby, off mode and network standby
- Televisions
- Vacuum cleaners
- Ventilation units
- Water pumps
 - ••••
- Se mere om <u>produkter med energikrav</u>





PRODUCTS COVERED BY ENERGYLABELING REGULATION

- Luft-luft-varmepumper
- Lyskilder (og omgivende produkter)
- Vandbårne opvarmningsanlæg og vandvarmere
- Lokal rumvarme
- Boligventilationsaggregater
- Fastbrændselskedler
- Husholdningsovne og emfang
- Husholdningsopvaskemaskiner
- Husholdningskølemøbler
- Husholdningstørretumblere

- Husholdningsvaskemaskiner og kombi vaske-tørremaskiner
- Professionelle kølemøbler og køleprodukter
- Støvsugere
- Elektroniske skærme
-
- Se mere om <u>produkter med energikrav</u>





TYPES OF REQUIREMENTS





Energy



Sustainability



Water



ECO program



Reparability



Temperature

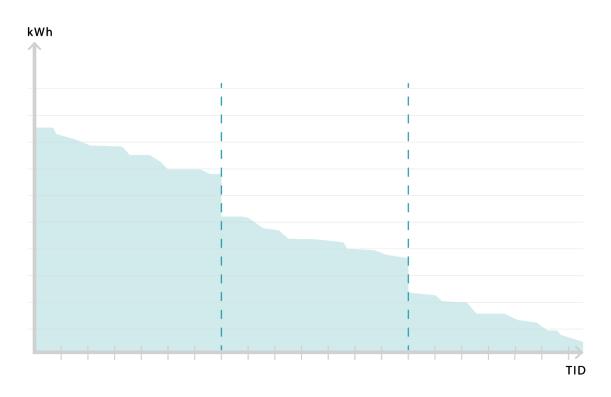


Information



Time









Proposal for ESPR













Key actions for circular and sustainable products:



Make products greener, circular and energy efficient through **ecodesign requirements**



Improve products
environmental
sustainability information
for consumers and supply
chain actors by introducing
Digital Product Passports



Prevent destruction of unsold consumer products



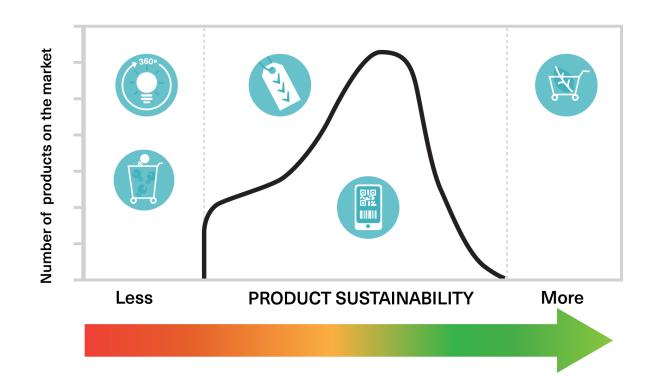
Promote sustainable business models



Set mandatory requirements for green public procurement



THE NEW ECODESIGN (ESPR)







The future working plan

Current scope (energy related product)

+

New products groups

= new working plan (arround 2024)

(Commission ongoing work to be ready)





SUGGESTED PRODUCTS BY JRC

TEXTILES

Potential ESPR requirements

- Minimum recycled content in product and in packaging. Maximum limit of water consumption during production.
- Maximum limit of chemical consumption during production. · Design for reliability, recyclability and durability.
- Design for minimising water consumption during use. Maximum limit of fertilisers, pesticides and insecticides.
- Minimum content of material with sustainability certification.
- Maximum level of GHG emissions.
- · Limiting the number of materials used in a single product. Use of components and material coding standards.
- Use of design techniques that ease non-destructive disassembly and re-assembly.
- Availability of guarantees specific to remanufactured clothing.
- Use of modular design.
- Maximum level of energy consumed.
- · Restricting the use of certain materials or manufacturing
- Minimum durability and reliability.

FURNITURE

Potential ESPR requirements

- Minimum recycled content.
- Design for disassembly and repair, re-use, refurbishing and recycling.
- Minimum content of raw material with sustainability certification.
- Design ensuring the durability.
- Limiting the number of materials used in a single furniture product.
- Design techniques that ease non-destructive disassembly and re-assembly
- Compatibility with commonly available spare parts.
- Minimum durability and reliability.
- · Availability of spare parts.
 - Use of components and material coding standards.
- Minimum percentage of energy use from low carbon

TYRES

Potential ESPR requirements

- Recycling and recycled content target.
- Reliable testing measures for abrasion. Re-trading tyres for waste reduction.
- Upgrading the rolling resistance.
- Sustainable sourcing for rubber.

CERAMICS

Potential ESPR requirements

- Maximum limit of water consumption.
- Design for minimising water consumption during use.
- Design for reliability and disassembly. Minimum recycled content.
- . Sourcing of raw materials from certified sustainable practices.
- Maximum weight per item. Minimum percentage of energy use from low carbon sources.
- Minimum service life for plaster moulds.
- Technical lifetime and resistance to stress.
- - Availability of spare parts.
- · Maximum level of GHG emissions
- Maximum energy consumed during manufacturing



Potential ESPR requirements

- Availability of spare parts and refills.
- Maximum limit of water and energy consumption. Minimum content of biodegradable substances/materials.
- Prohibition of secondary packaging in certain cases.
- Maximum level of product-to-packaging ratio.
- Minimum content of material with sustainability.
- Mandatory design of refillable packaging ratio.
- Design for minimising water consumption during use.
- Minimum cleaning performance at low temperature.

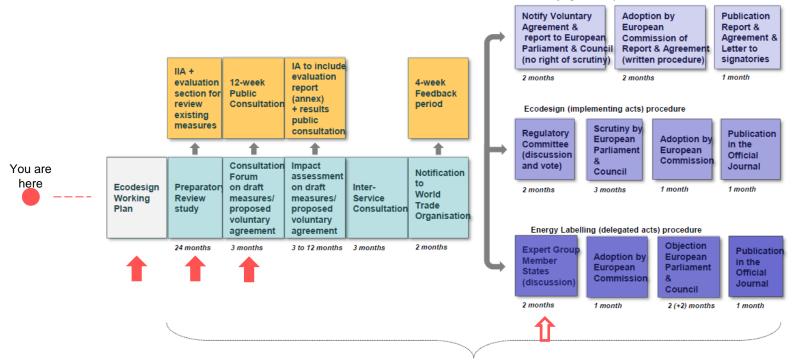
MATTRESSES

Potential ESPR requirements

- Design for disassembly, refurbishing and recycling. Minimum content of materials with sustainability certification.
- · Minimum recycled content.
- Minimum durability
- · Maximum level of GHGs emitted.
- Maximum energy consumed during manufacturing.
- Minimum percentage of energy use from low carbon footprint sources



Process for adoption of Implementing Measures under Ecodesign & Energy labelling - Alignment with Better Regulation





Voluntary Agreements procedure

