



European Committee of Manufacturers of Electrical  
Machines and Power Electronics

# **02<sup>nd</sup> CEMEP CONFERENCE**

**/ 7<sup>th</sup> and 8<sup>th</sup> July 2022 in Milan, Italy**

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**EASA European & World Chapter**

**How the motor repair and maintenance industry is working on  
more sustainable motor driven systems**



# European Green Deal

## **CEMEP Sustainable products, systems & Services Conference**

*European Commission*

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*7 July 2022*



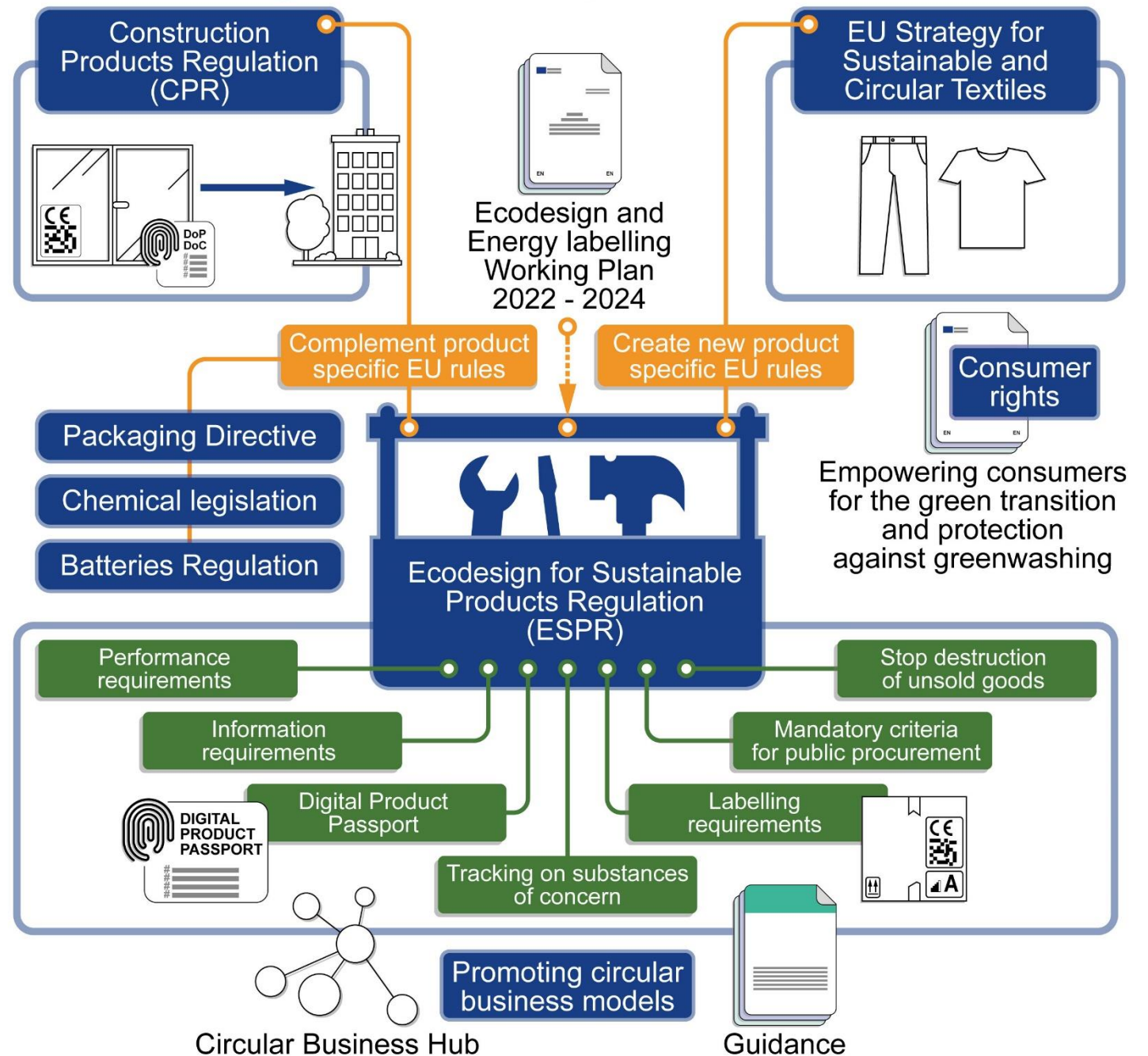
# ECODESIGN for SUSTAINABLE PRODUCTS REGULATION (ESPR)

The EU Single Market for **Green** Products

# The Circular Economy package

30 March 2022

## Making sustainable products the norm

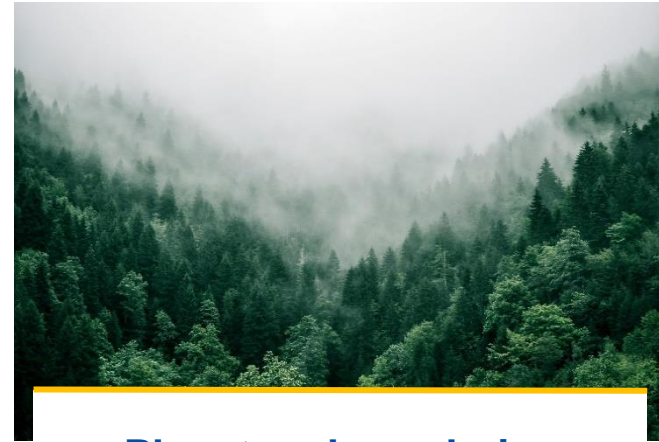


# Why is ESPR needed?



## Inefficient use of resources

- **Global extraction of materials tripled** since 1970
- Over **90% of biodiversity loss and water stress** from resource extraction and processing
- **Waste generation** set to increase **70%** by 2050



## Planetary boundaries exceeded

- EU has less than 10% of world population, yet its **consumption-based impacts are close to or exceed boundaries** for climate change, particulate matter, land use and mineral resources (Sala et al., 2020)

# How will ESPR work?

## 1. Building on the existing Ecodesign Directive

Key features  
of Ecodesign  
Directive  
approach  
maintained



# How will ESPR work?

## 2. Extending the Ecodesign approach



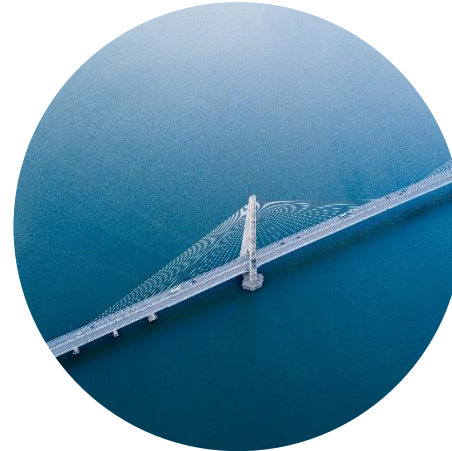
### Scope extension

Moving beyond energy-related products to a wide product scope



### New requirements

Plus clarification of existing requirements



### Horizontal approach

Now allowed for in addition to product-specific requirements



### Increased focus on product information

e.g. Digital Product Passport; labels

# Key product aspects under ESPR

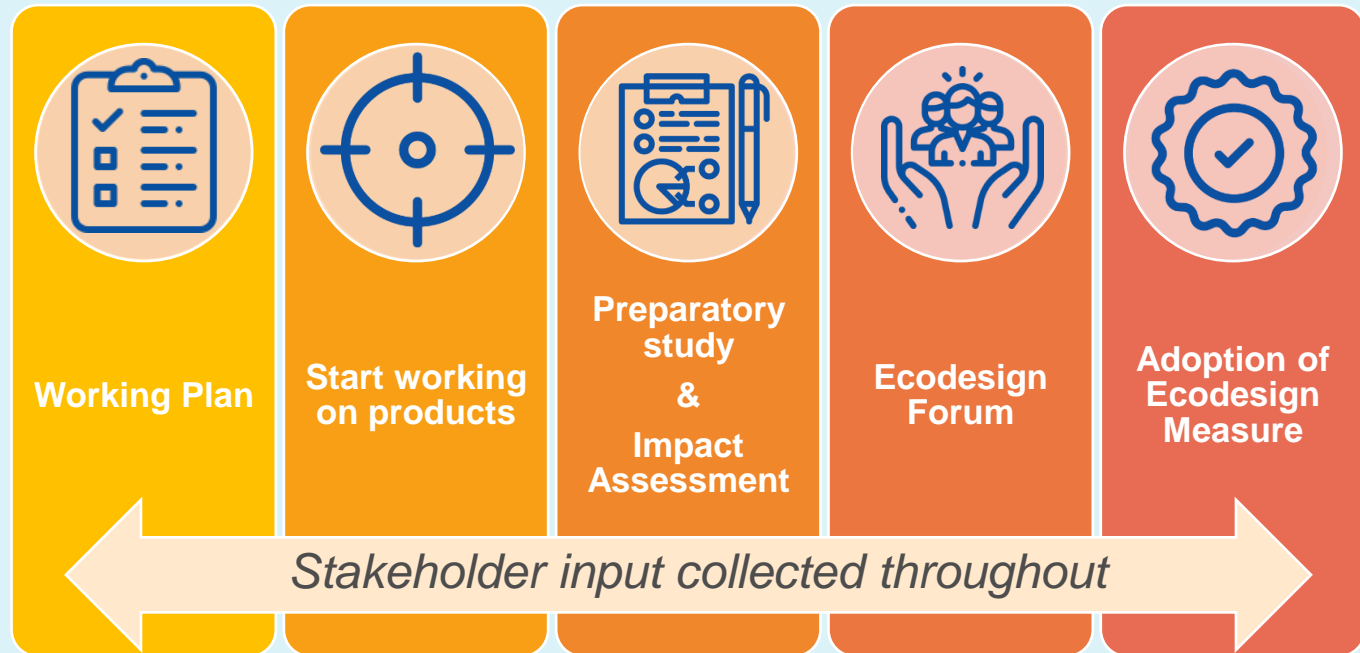
- Durability
- Reliability
- Reusability
- Upgradability
- Repairability
- Possibility of maintenance and refurbishment
- Presence of substances of concern
- Energy use or energy efficiency
- Resource use or resource efficiency
- Recycled content
- Possibility of remanufacturing and recycling
- Possibility of recovery of materials
- Environmental impacts, including carbon and environmental footprint
- Expected generation of waste materials

# Process under ESPR

**ESPR =  
framework  
legislation**

*i.e. does not set  
specific measures.  
Rather, it enables  
their later adoption*

## Improved process for adoption of new Ecodesign measures





# Digital Product Passport (DPP)

- Structured **collection of product data** with agreed ownership and access rights conveyed through **unique identifier**
- **Decentralised system**
- **Data** on sustainability, environmental impact, circularity, substances of concern, value retention for reuse/remanufacturing/recycling

# Expected outcomes of ESPR



## Environment

- Help achieve EU's environmental goals and SDGs
- Target product-related environmental impacts



## Consumers

- Improved product performance and longer lifetimes
- More informed decision making
- Financial savings (longer life and less energy)



## Supply chain actors

- Reduced material costs
- Reputational benefits
- Increased transparency across supply chain

# Thank you



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