



# LIA Technical Webinars



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THE LIGHTING INDUSTRY ASSOCIATION

# How Circular Economy policies are impacting Lighting

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THE LIGHTING INDUSTRY ASSOCIATION

# Our Members



AFLE



.AGORIA



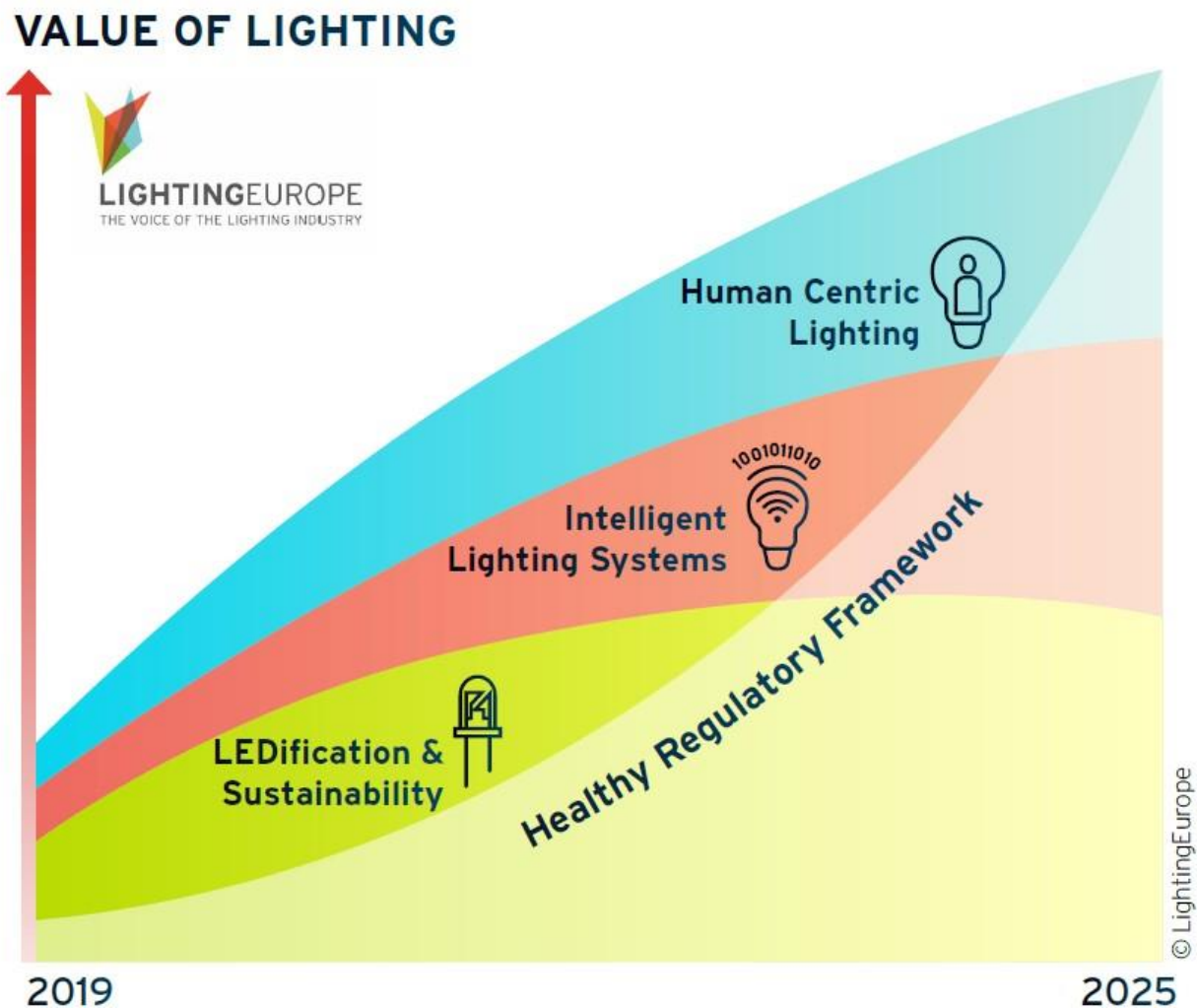
ERCO



OSRAM



# Our Vision





# Our priorities



LightingEurope's priorities:  
**SOUND & SIMPLE RULES** that are easy to understand, apply and enforce, and that help create a positive business environment in Europe



LightingEurope's priorities:  
**DELIVER THE VALUE OF LIGHTING** through intelligent lighting systems and human centric lighting



LightingEurope's priorities:  
**IMPLEMENT CIRCULAR ECONOMY THINKING** by supporting industry and shaping rules that reflect the Value of Lighting



LightingEurope's priorities:  
**BETTER ENFORCEMENT** to ensure safe, quality products for users and a level playing field for industry

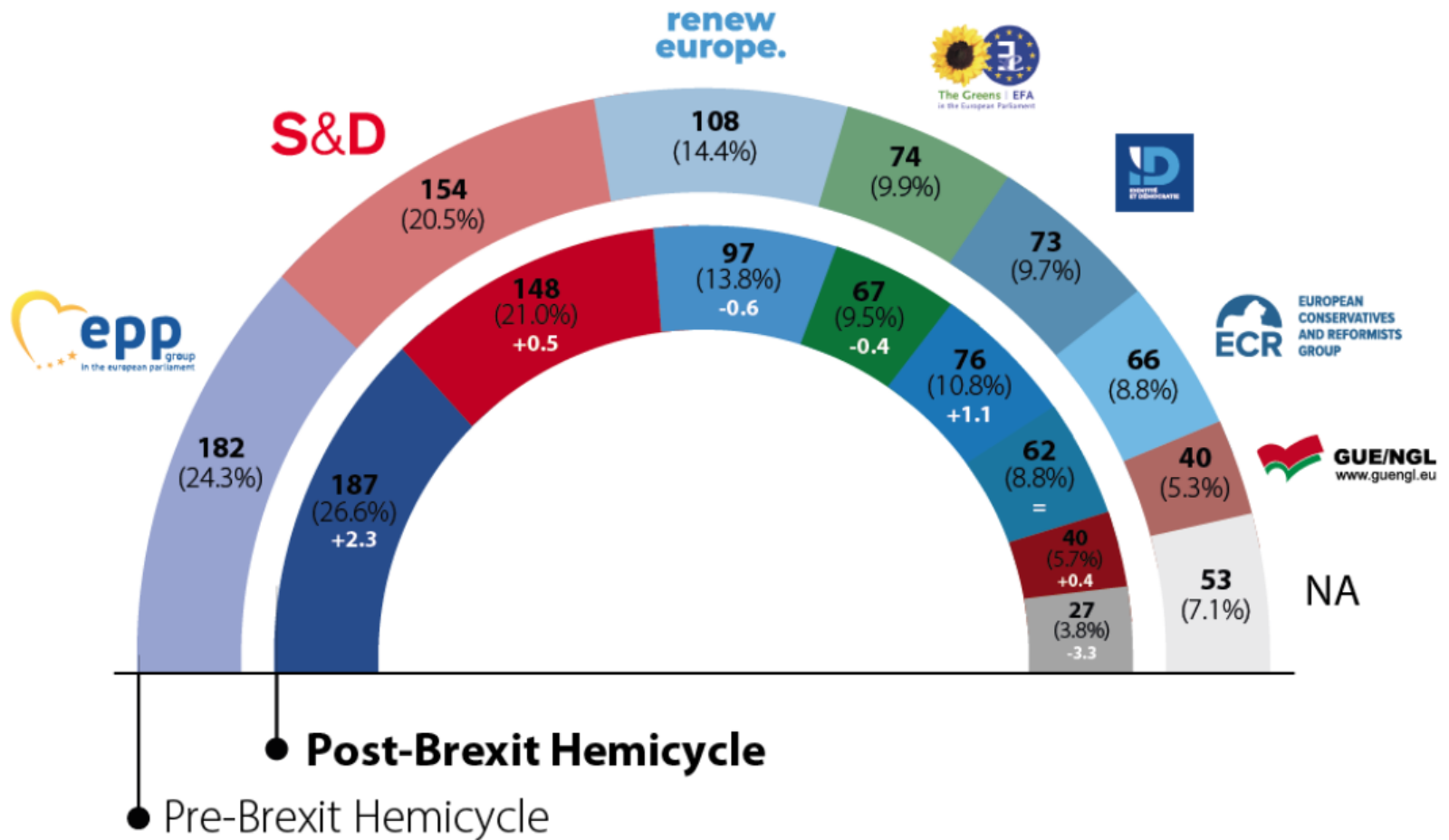


# EU Political Climate



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# European Parliament Composition





The European Green Deal is about **improving the well-being of people**. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind.

## The EU will:



Become  
climate-neutral  
by 2050



Protect human life,  
animals and plants,  
by cutting pollution



Help companies  
become world leaders  
in clean products and  
technologies



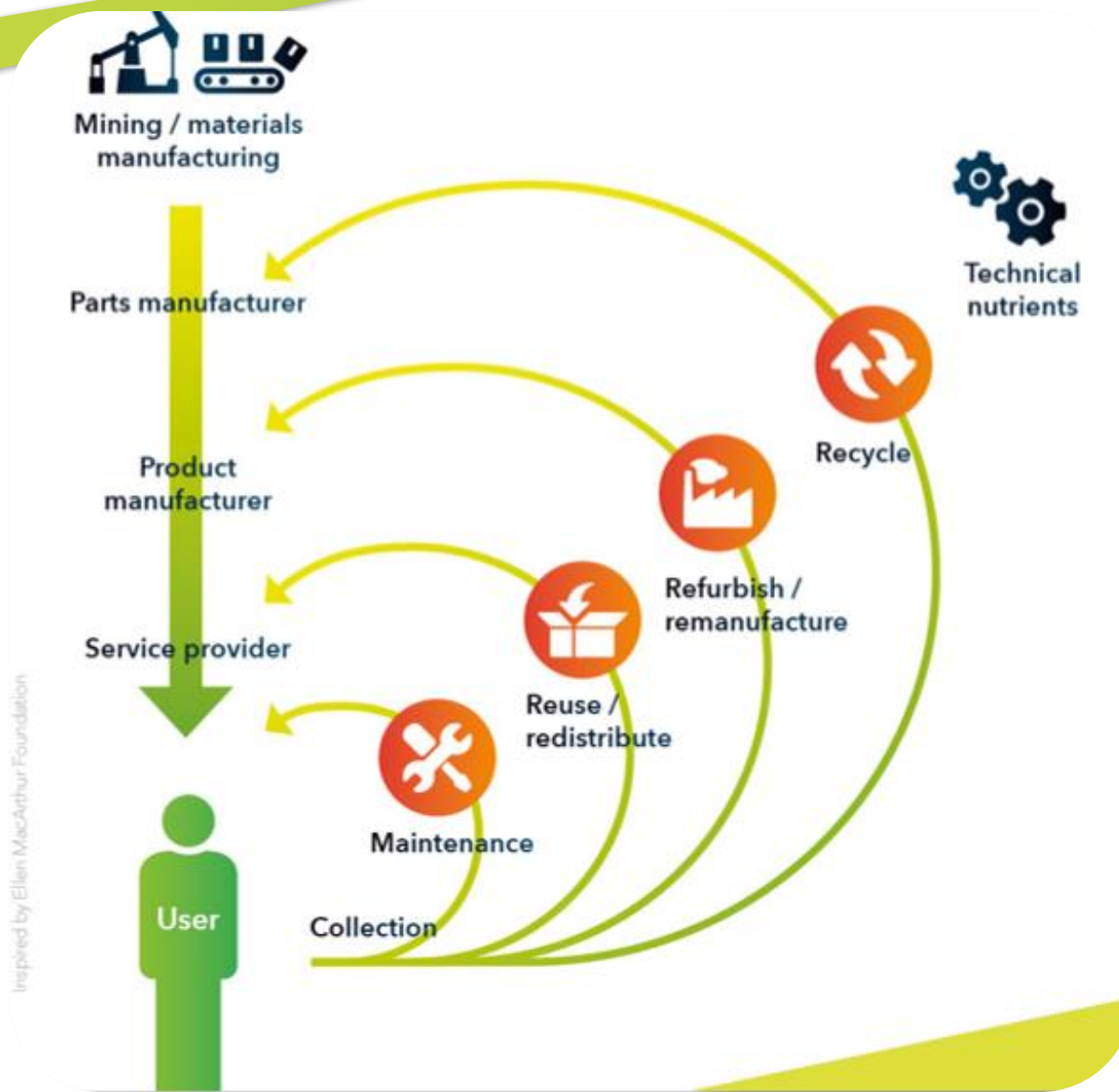
Help ensure a  
just and inclusive  
transition



# Detailed list of upcoming EU laws/policies

1. Circular Electronics Initiative – targeting consumer electronics (e.g. introducing reparability requirements)
2. Legislative proposal to empower consumers (e.g. guarantees)
3. Review of Packaging and Packaging Waste Directive 94/62/EC
4. Legislative proposal on Sustainable Product Policy
5. Legislative proposal for minimum mandatory GPP requirements
6. PEF/OEF – horizontal legislative requirements
7. TC 10 finalized; TC 34 developing environmental pillar
8. Carbon Border Adjustment Tax
9. Review of the RoHS Directive 2011/65/EU
10. Development of harmonised systems to track and manage information on substances identified as being of very high concern and other relevant substances → tbc in which legislation
11. Minamata Convention Annex A and B review and negotiations
12. RoHS exemptions for cadmium, lead and mercury (LE and Joint applications)
13. Legislative proposal on sustainable corporate governance
14. Legislative proposal on horizontal Due Diligence requirements in the supply chain, incl. environmental topics.
15. Monitoring REACH restriction/authorization proposals/consultations

# Circular Economy policies impact Lighting





# Energy Performance



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## Products phased out by new Ecodesign requirements

Product type	Phase-out date
CFLi	1 September 2021
Fluorescent T8 2-, 4-, and 5 ft	1 September 2023
Halogens with G9, G4, and GY6.35 caps	1 September 2023
Halogen R7s >2,700 lm	1 September 2021
Fluorescent T2 and T12	1 September 2021
Halogen low-voltage DLS MR11, MR16, AR111	1 September 2021

# Energy efficiency still a major driver

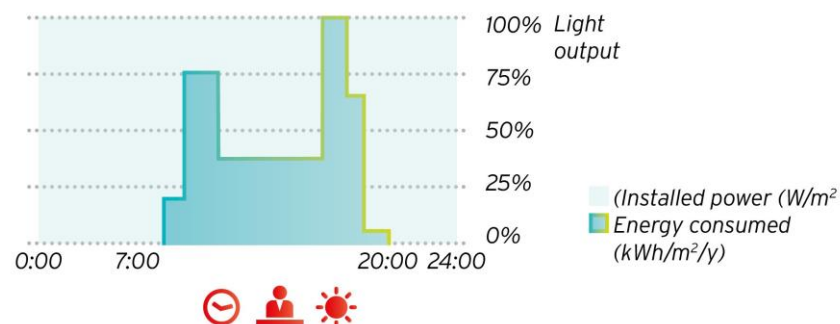


The maximum EU-28 **total annual electricity savings** for optimized lighting system designs with controls (depending on the reference light source scenario) are:



(for reference: EcoDesign (EC)245/2009 on tertiary sector lighting products saving potential is **38 TWh/year** in 2020)

Lighting systems **react instantly to users' needs**, thereby reducing energy consumption.



Timing, occupancy and daylight sensors

- Buildings account for **40%** of energy consumed

Source: Eurostat, Energy balances 2019 edition, final energy consumption in year 2017.



The current rates of renovation of public and private buildings should at least double

## Better energy performance of buildings

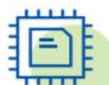
- Prices of different energy sources should incentivise **energy-efficient buildings**



- Design of buildings should be in line with the **circular economy**



- Increased **digitalisation**



- More **climate-proofing** of buildings



- Strict enforcement of rules on **energy performance of buildings**



European Commission 2020





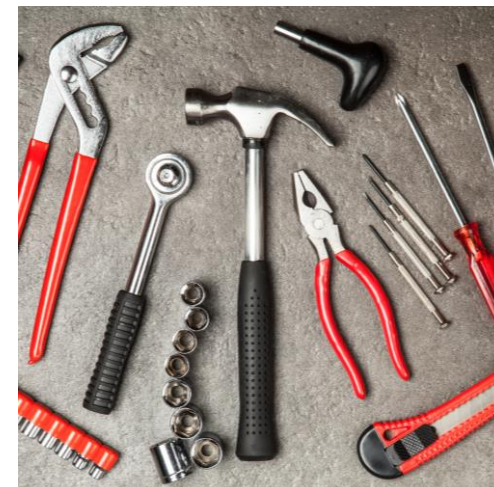
# Circular Product Design & Business models

# Ecodesign: Circular Economy requirements for lighting

## Article 4(1)

Manufacturers, importers or authorised representatives of containing products shall ensure that light sources and separate control gears can be **replaced** with the use of common available tools and without permanent damage to the containing product, **unless a technical justification related to the functioning of the containing product is provided** in the technical documentation explaining why the replacement of light sources and separate control gear is not appropriate.

The technical documentation shall also provide instructions on how light sources and separate control gears **can be removed without being permanently damaged for verification purposes** by market surveillance authorities.



# What the Ecodesign CE requirements mean for lighting

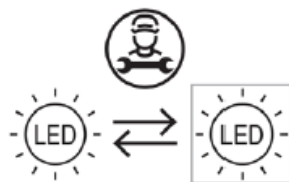
Consequences of art. 4	LightingEurope Guidelines support
All <b>Containing Products</b> should enable <b>replaceability</b> of light sources and control gears <b>unless</b> technically justified.	LightingEurope provides guidance with diagrams on replaceability
If the light source and control gear of the containing product can not be <b>removed for verification</b> , then the containing product is to be considered <b>a light source</b> for all requirements of the Regulation (energy performance requirements, information requirements, etc.) and the corresponding Regulation on the energy labelling of light sources	LightingEurope provides a diagram that explains which removability requirements apply to which products. This is very relevant for the application of the Energy Labelling regulation as well
Art 4.2 requires <b>information</b> to be displayed on the packaging of the containing product (only for products sold directly to end-users) on the replaceability or non replaceability of the light source and the control gear	LightingEurope provides a pictogram that can be easily used and printed without language complications



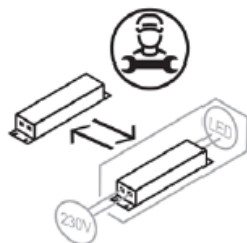
# LE Replaceability Pictograms



Replaceable light source by a professional



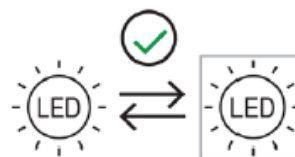
Replaceable (LED only) light source by a professional



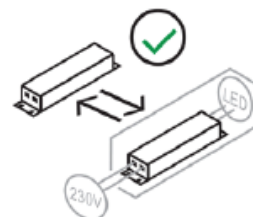
Replaceable control gear by a professional



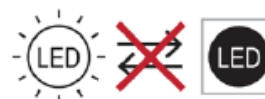
Replaceable light source by an end-user



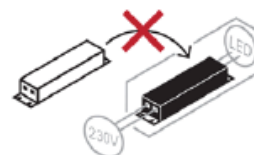
Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user



Non-replaceable light source



Non-replaceable control gear

Download the LE Guidelines

Version 2 now  
available!

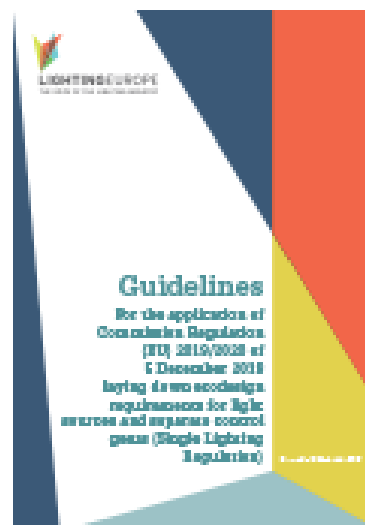


<https://europeanlightingpriorities.eu/guidelines.php>

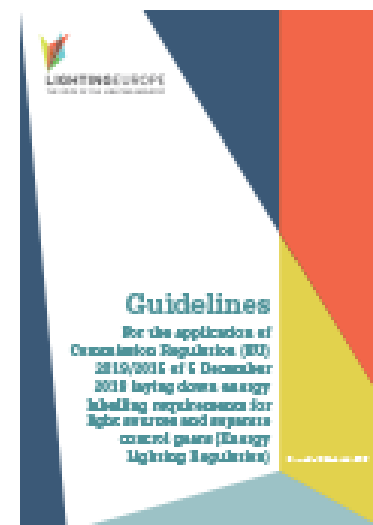
## LIGHTINGEUROPE GUIDELINES

The LightingEurope guidelines are our contribution to support all companies to understand and apply new and complex rules, and to help all authorities to enforce them.

INSERT YOUR EMAIL  
ADDRESS TO DOWNLOAD



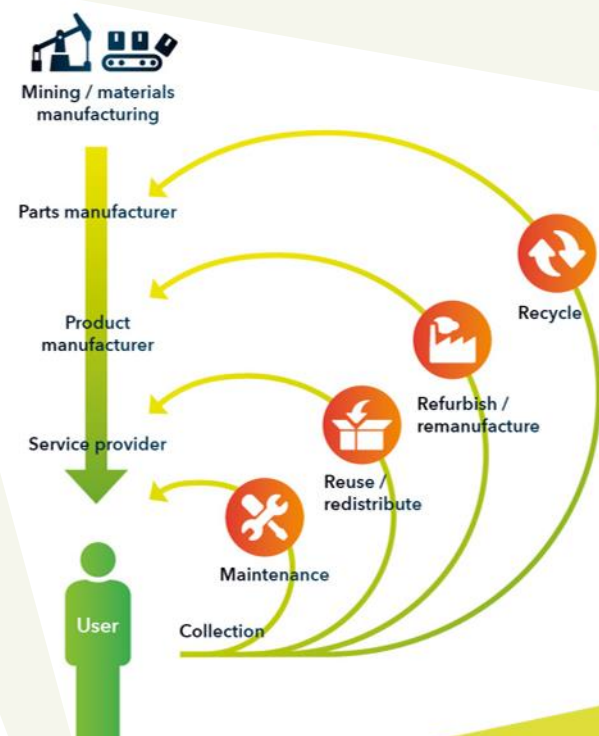
**Ecodesign  
Regulation  
Guidelines**



**Energy  
Labelling  
Regulation  
Guidelines**

## Sustainability design parameters and principles

- ✓ improve product durability, reusability, upgradability, reparability ←
- ✓ address presence of hazardous substances in products
- ✓ increase energy & resource efficiency
- ✓ increase recycled content in products
- ✓ enable remanufacturing and high-quality recycling ←
- ✓ reduce carbon and environmental footprint
- ✓ restrict single-use and countering premature obsolescence ←
- ✓ ban the destruction of unsold durable goods;
- ✓ incentivise product-as-a-service ←







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# Substances of Concern

## Objectives

- High-quality sorting & removing contaminants from waste
- Minimise presence of substances that pose problems to health/environment in recycled materials and articles
- Harmonised information exchange systems
- Amend Regulation on Persistent Organic Pollutants
- Chemicals Strategy for Sustainability
- Internal market for secondary raw materials
- Restrict substances (RoHS exemptions)



- EU decision on the renewal of 2015 applications to renew RoHS exemptions for mercury-containing lamps still pending
- LightingEurope submitted applications to renew RoHS exemptions beyond 2021 in January 2020



# Substance information requirements

## – ECHA SCIP database

- New database launched by European Chemicals Agency (ECHA) on 28 Oct 2020
- Aim: collect information required under Article 33.1 REACH
- Starting 5 January 2021: Legal obligation on all actors placing articles on the market that are in scope of Article 33.1 REACH to provide the information to ECHA
- System-to-system upload functioning – ECHA asks companies to alert it prior to the transfer of large volumes of data
- ECHA live webinar 19 November – what to upload and how – [link to webinar page](#)







# Information & Communication Obligations



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# Information & Reporting Obligations

SCIP

European  
Circular  
Dataspace

Digital  
Product  
Passport

Tagging

Labelling

Watermarks

EPREL

PEF

OEF



# Market Demand for Sustainability



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# EU Consumer Law

Right 2  
Repair

Guarantees

GPP





Review Non-Financial Reporting Directive: enhance disclosure of environmental data by companies



Business led initiative to develop environmental accounting principles



Improve corporate governance framework to integrate sustainability into business strategies



New Green Taxonomy to guide investors



Revision of State Aid Guidelines in the field of the environment and energy;



Economic instruments, such as environmental taxation, including landfill and incineration taxes, and enable Member States to use value added tax (VAT) rates

# EU Action Plan for Sustainable Finance

## I. Reorientation of capital flows towards sustainable investment

1	<b>Taxonomy</b>	Develop an EU classification system for environmentally sustainable economic activities
2	<b>Standards and labels</b>	Develop EU standards (such as EU Green Bond Standard) and labels for sustainable financial products (via Ecolabel) to protect integrity and trust of sustainable finance market
3	<b>Fostering investment in sustainable projects</b>	Exploring measures to improve the efficiency and impact of instruments aiming at investment support. Mapping on investment gaps and financing.
4	<b>Incorporating sustainability in financial advice</b>	Amend MiFID II and IDD delegated acts to ensure that sustainability preferences are taken into account in the suitability assessment.
5	<b>Developing sustainability benchmarks</b>	Develop climate benchmarks and ESG disclosures for benchmarks

## II. Integration of ESG risks into risk management and decision-making

6	<b>Sustainability in research and ratings</b>	Explore how credit rating agencies could more explicitly integrate sustainability in to their assessments. Study on sustainability ratings and research and exploring possible measures to encourage their uptake.
7	<b>Disclosures by financial market participants</b>	Enhance transparency to end-investors on how financial market participants consider sustainability
8	<b>Sustainability in prudential requirements</b>	Explore the feasibility of reflecting sustainability in prudential rules (where justified from a risk perspective)

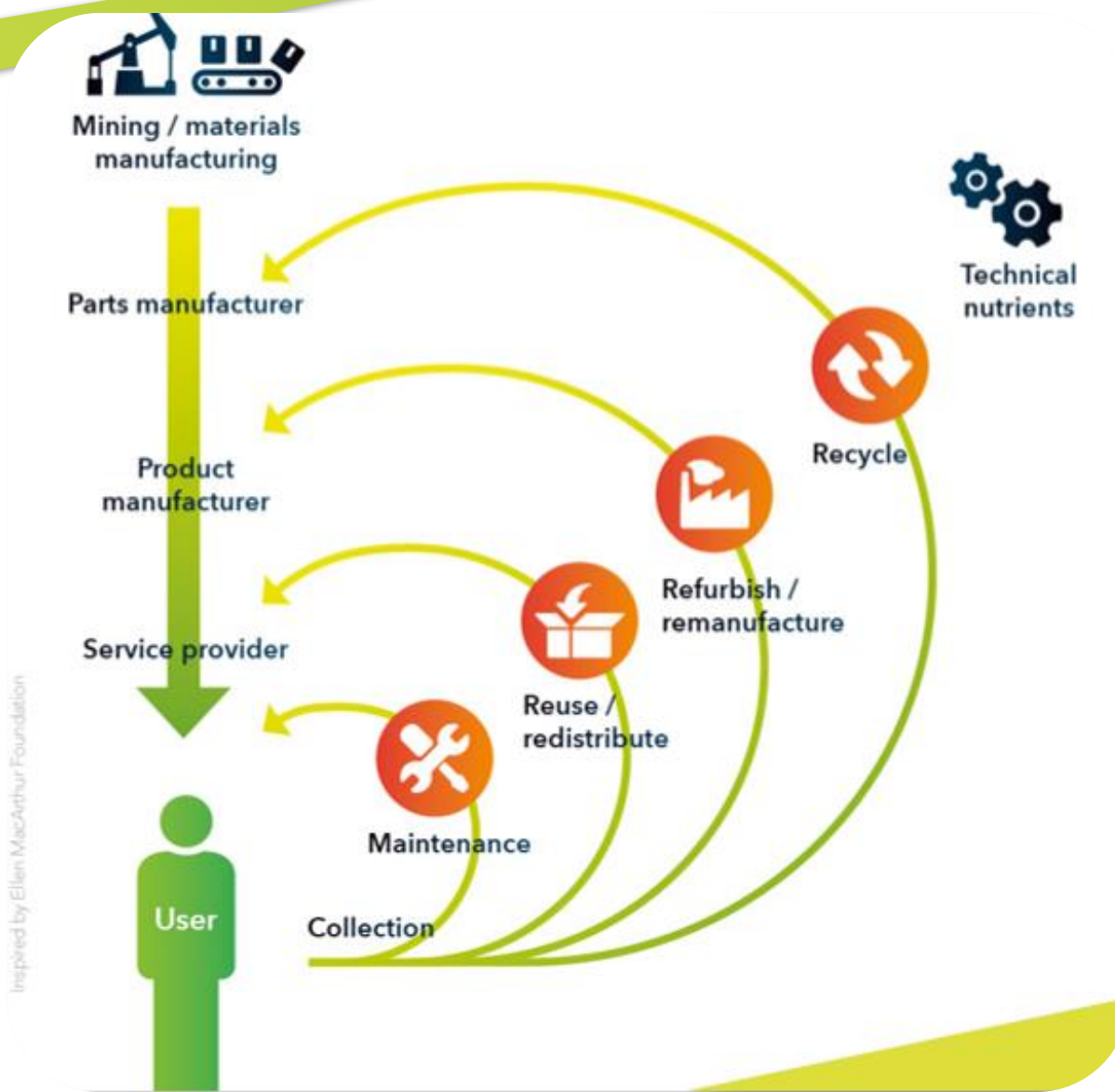
## III. Fostering transparency and long-termism

9	<b>Strengthening sustainability disclosures and improving accounting</b>	Enhance climate and sustainability-related information provided by corporations
10	<b>Fostering sustainable corporate governance</b>	Collect evidence of undue short-term pressures from capital markets on corporations and consider steps for promoting corporate governance that is more conducive to sustainable investments.



# Conclusion

# Circular Economy is here to stay







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# THANK YOU

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Questions?

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# Thank you

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## Future Webinars

- |                    |   |  |
|--------------------|---|--|
| 18th November 2020 | - | IoT & Cyber Security   |
| 2nd December 2020  | - | Online Free Riding: How to address product compliance online in EU Legislation |
| 16th December 2020 | - | Building Regulations Fire safety - TP(a)/TP(b)                                 |
| 13th January 2021  | - | TBC  |
| 27th January 2021  | - | SLR/ELR and UK implementation  |

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