



# **CIRCULAR ECONOMY**

Closing the loop

## **Ecodesign per la riciclabilità**

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Transizione verso  
un'economia  
circolare

**Mantenere** il valore dei prodotti, dei materiali e delle risorse nella sfera economica per il periodo più lungo possibile rispettando e proteggendo la salute umana e l'ambiente

**Minimizzare** la produzione di rifiuti

Trarre dalla transizione tutti i **benefici** economici, sociali e ambientali

Rafforzare la nostra competitività sfruttando nuove **opportunità** di business, prodotti e servizi innovativi

## 5 priorità 1 solo approccio = LCA



## 5 azioni settoriali

Plastica

Rifiuti  
alimentari

Costruzione  
e  
demolizione

Materie  
prime  
essenziali

Biomassa e  
biomateriali

# Ecodesign & Energy Labelling: Una storia ricca di successi (2020 objectives)

175 Mtoe/year savings



1.3 bn



120

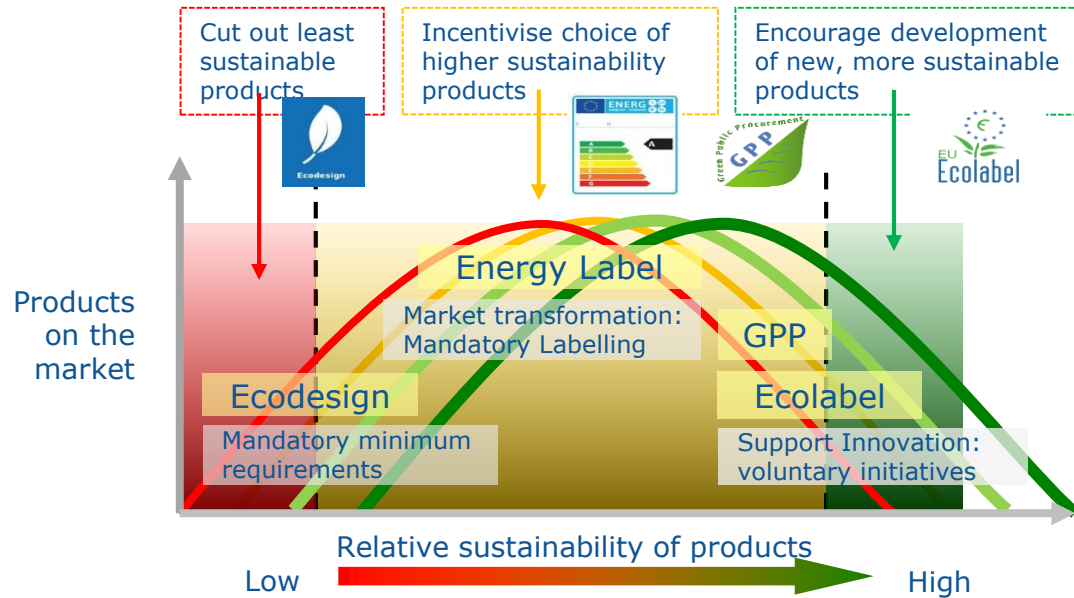


150,000

- Oltre l'efficienza energetica:
  - Primi elementi in termini di Material efficiency (computer servers, washing machines...
  - Studio integrato sui Pannelli Photovoltaici
  - Mandato M/543 a CEN/CENELEC per definire durabilità, riparabilità, riciclabilità, etc.

# Oltre la Direttiva Ecodesign

- Concetto essenziale in un ottica LCA
- Anello fondamentale del dialogo nella value chain
- Chiaramente non ristretto ai soli prodotti che utilizzano energia.

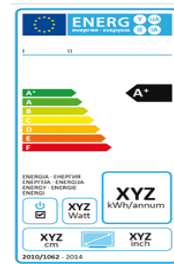




## Cosa facciamo già

### Strumenti Regolamentari

Ecodesign Directive 2009/125/EC: Energy  
Labelling Regulation EU 2017/1369:



### Strumenti Volontari

**Ecolabel:** L'Ecolabel aiuta a identificare prodotti e servizi che hanno un impatto ambientale limitato durante l'intero ciclo di vita, dall'estrazione delle materie prime attraverso la produzione, l'uso e la fine di vita del prodotto.

**Green Public Procurement:** Strumento volontario per stimolare l'aumento in termini di volumen della domanda di prodotti e servizi sostenibili che altrimenti potrebbero incontrare problema ad entrare sul mercato.



## **Product Environmental Footprint (PEF) e Organisation Environmental Footprint (OEF);**

- 26 progetti pilota intrapresi dal 2013 ad oggi.
- Finalizzazione in corso
- Obiettivo: identificare utilizzi della metodologia PEF per il disegno/concezione di prodotti e/processi.

**EU ENVIRONMENTAL  
FOOTPRINT**  
FINAL CONFERENCE  
**FROM VISION TO ACTION**



**23-25 April 2018**  
CROWNE PLAZA HOTEL  
BRUSSELS

#EnvFootprint18  
#CircularEconomy  
ENVFootprint@iservice-europa.eu



## Quadro per la definizione di criteri di sostenibilità per gli immobili: Level(s)

Level(s) raccoglie su un'unica piattaforma i principali indici per definire quanto sostenibili siano i nostri edifici.

**Set di macro-obiettivi** (valore aggiunto per l'immobile al livello locale, nazionale e europeo) valutati attraverso un codice comune europeo. È così possibile determinare la prestazione degli edifici in termini di sostenibilità ambientale durante l'intero ciclo di vita

**Facile punto di partenza per un approccio integrato all'intero ciclo di vita dell'immobile per:**

- designers, architetti,
- proprietari immobiliari/gestori d(immobili
- autorità pubbliche

**Circular  
economy  
means  
disruptive  
innovation**

Actions	Timetable
<b>Production</b>	
Emphasis on circular economy aspects in future product requirements under the Eco-design directive	2016 onwards
Eco-design work plan 2015-2017 and request to European standardisation organisations to develop standards on material efficiency for setting future Eco-design requirements on durability, reparability and recyclability of products	December 2015
Proposal for implementing regulation on eco-design and energy efficiency	End 2015 or beginning 2016
Examine options and actions for a more coherent policy framework of the different strands of work of EU product policy in their contribution to the circular economy	2016
Include guidance on circular economy into Best Available Techniques reference documents (BREFs) for several industrial sectors	2016 onwards
Guidance and promotion of best practices in the mining waste management plans	2016
Establishing an open, pan-European network of technological infrastructures for SMEs to integrate advanced manufacturing technologies into their production processes	2016
Examine how to improve the efficiency and uptake of the EU Eco-Management and Audit Scheme (EMAS) and the pilot programme on environmental technology verification (ETV)	2017
Develop an improved knowledge base and support to SMEs for the substitution of hazardous substances of very high concern	2016
<b>Consumption</b>	
Better enforcement of existing guarantees on tangible products, accompanied by a reflection on improvements (upcoming Commission proposal for online sales of goods, and Fitness Check of consumer legislation)	2015-2017
Action on false green claims, including updated guidance on unfair commercial practices	2016
Analysis of the possibility to propose horizontal requirements on repair information provision in the context of Eco-design	2016
REPAIR of Eco-label, to be followed by actions to enhance its effectiveness	2016
Assessment of the possibility of an independent testing programme on planned obsolescence	2016
Subject to evaluation of the current ongoing pilots, explore the possible uses of the Product Environmental Footprint to measure and communicate environmental information	2016 onwards
Action on Green Public Procurement: enhanced integration of circular economy requirements, support to higher uptake including through training schemes, reinforcing its use in Commission procurement and EU funds	2016 onwards

<b>Waste management</b>	
Revised legislative proposal on waste	Dec 2015
Improved cooperation with Member States for better implementation of EU waste legislation, and combat illicit shipment of end of life vehicles	2015 onwards
Stepping up enforcement of revised Waste Shipment regulation	2016 onwards
Promotion of industry-led voluntary certification of treatment facilities for key waste/recyclable streams	2016 onwards
Initiative on waste to energy in the framework of the Energy Union	2016
Identification and dissemination of good practices in waste collection systems	2016 onwards
<b>Market for secondary raw materials</b>	
Development of quality standards for secondary raw materials (in particular for plastics)	2016 onwards
Proposal for a revised fertilizers regulation	Early 2016
Proposed legislation setting minimum requirements for reused water for irrigation and groundwater recharge	2017
Promotion of safe and cost-effective water reuse, including guidance on the integration of water reuse in water planning and management, inclusion of best practices in relevant BREFs, and support to innovation (through the European Innovation Partnership and Horizon 2020) and investments	2016-2017
Analysis and policy options to address the interface between chemicals, products and waste legislation, including how to reduce the presence and improve the tracking of chemicals of concern in products	2017
Measures to facilitate waste shipment across the EU, including electronic data exchange (and possibly other measures)	2016 onwards
Further development of the EU raw materials information system	2016 onwards

<b>Sectorial action</b>	
<b>Plastics</b>	
Strategy on plastics in the circular economy	2017
Specific action to reduce marine litter implementing the 2030 Sustainable Development Goals	2015 onwards
<b>Food waste</b>	
Development of a common methodology and indicators to measure food waste	2016
Stakeholders platform to examine how to achieve SDGs goals on food waste, share best practice and evaluate progress	2016
Clarify relevant EU legislation related to waste, food and feed in order to facilitate food donation and utilisation of former foodstuffs for animal feed	2016
Explore options for more effective use and understanding of date marking on food	2017
<b>Critical raw materials</b>	
Report on critical raw materials and the circular economy	2017
Improve exchange of information between manufacturers and recyclers on electronic products	2016 onwards
European standards for material-efficient recycling of electronic waste, waste batteries and other relevant complex end-of-life products	2016 onwards
Sharing of best practice for the recovery of critical raw materials from mining waste and landfills	2017
<b>Construction and demolition</b>	
Pre-demolition assessment guidelines for the construction sector	2017
Voluntary industry-wide recycling protocol for construction and demolition waste	2016
Core indicators for the assessment of the lifecycle environmental performance of a building, and incentives for their use	2017 onwards
<b>Biomass and bio-based materials</b>	
Guidance and dissemination of best practice on the cascading use of biomass and support to innovation in the domain through Horizon 2020	2016-2019
Ensuring coherence and synergies with the circular economy when examining the sustainability of bioenergy under the Energy Union	2016
Assessment of the contribution of the 2012 Bio-economy Strategy to the circular economy and possible review	2016

<b>Innovation and investments</b>	
Initiative "Industry 2020 and the circular economy" under Horizon 2020	October 2015
Pilot project for "innovation deals" to address possible regulatory obstacles for innovators	2016
Targeted outreach to encourage applications for funding under EFSI, and support the development of projects and investment platforms relevant to the circular economy	2016 onwards
Targeted outreach and communication activities to assist Member States and regions for the uptake of Cohesion Policy funds for the circular economy	2016 onwards
Support to Member States and regions to strengthen innovation for the circular economy through smart specialisation	2016 onwards
Assessment of the possibility of launching a platform together with the EIB and national banks to support the financing of the circular economy	2016
Engagement with stakeholders in the implementation of the action plan through existing fora in key sectors	2016 onwards
Support to a range of stakeholders through actions on public-private partnerships, cooperation platforms, support to voluntary business approaches, and exchanges of best practices	2015 onwards
<b>Monitoring</b>	
Development of a monitoring framework for the circular economy	2017

# Politica dei prodotti – Product policy

- Roadmap pubblicata dal 7 maggio 2018 - 4 Giugno 2018
- Obiettivo: verificare il quadro regolamentare esistente e possibili opzioni alternative.
- Finalizzazione: fine 2018/inizio 2019
- Conferenza: 27 settembre.



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Grazie!