



CIRCULAR ECONOMY

Closing the loop

CIRCULAR ECONOMY

2018 Circular Economy Package

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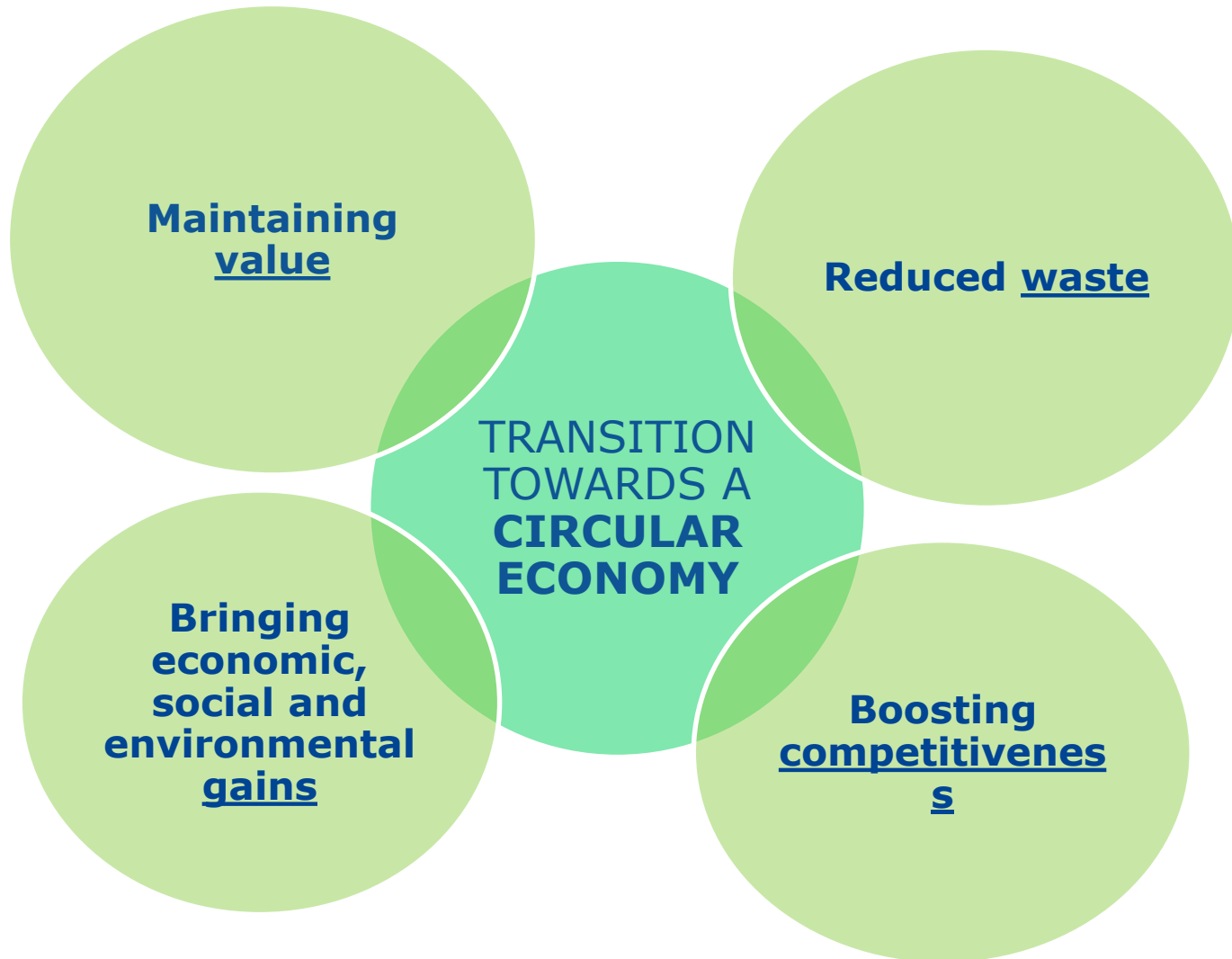
Context



European
Commission

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES 	 THE GLOBAL GOALS For Sustainable Development			12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION 				17 PARTNERSHIPS FOR THE GOALS
14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE AND JUSTICE STRONG INSTITUTIONS 		

What's a circular economy?



Circular Economy Action Plan



European
Commission

>80% of actions delivered

Actions	Timetable
Production	
Emphasis on circular economy aspects in future product requirements under the Ecodesign directive	2016 onwards
Ecodesign work plan 2015-2017 and request to European standardisation organisations to develop standards on material efficiency for setting future Ecodesign requirements on durability, reparability and recyclability of products	December 2015
Proposal for an implementing regulation on televisions and displays	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	2018
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	2018
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	2018
Consumption	
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 Ecodesign	2018
REPEAT (Ecolabel) to be followed by actions to enhance its effectiveness	2016
Assessment of the possibility of an independent testing programme on planned obsolescence	2018
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
Waste management	
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/recycling streams	2015 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
Market for secondary raw materials	
Development of quality standards for secondary raw materials (in particular for plastics)	2016 onwards
Proposal for a revised fertilisers 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
Sectorial action	
Plastics	
Strategy on plastics in the circular economy	2017
Specific action to reduce marine litter implementing the 2030 Sustainable Development Goals	2015 onwards
Food waste	
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
Critical raw materials	
Report on critical raw materials and the circular economy	2017
Improve exchange of information between manufacturers and registers on electronic products	2016 onwards
European standards for material-efficient recycling of electronic waste, waste batteries and other relevant complex end-of-life products	2015 onwards
Sharing of best practice for the recovery of critical raw materials from mining waste and landfills	2017
Construction and demolition	
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
Biomass and bio-based materials	
Guidance and dissemination of best practices on the cascading use of biomass and support to innovation in this 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 Bioeconomy Strategy to the circular economy and possible review	2016
Innovation and investments	
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 this 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
Monitoring	
Development of a monitoring framework for the circular economy	2017

2018 Circular Economy Package

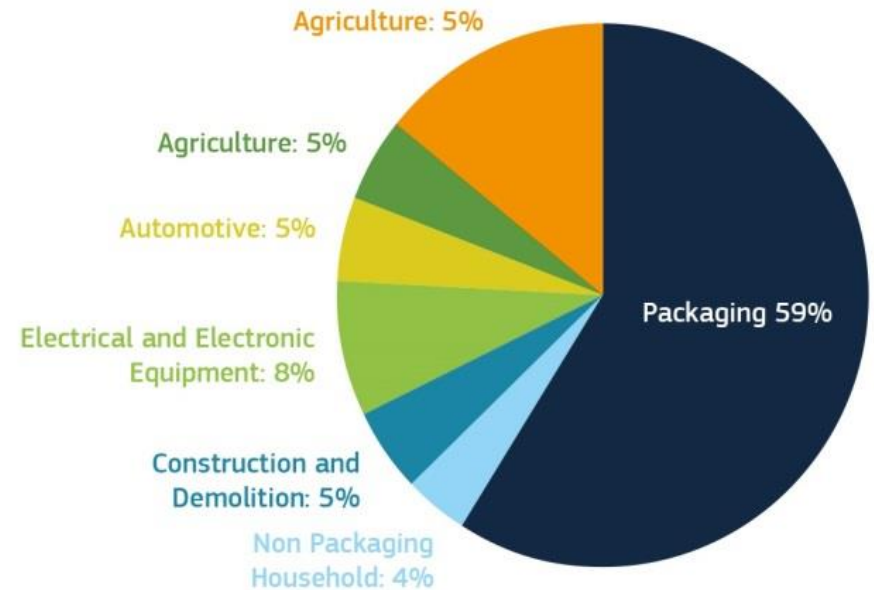


EUROPEAN PLASTICS DEMAND IN 2015

49 million tonnes



EU PLASTIC WASTE GENERATION IN 2015



Source: Eunomia (2017)

Europeans on Plastics



Please tell me to what extent you agree or disagree with each of the following statements. (%-EU)



74%
agree
23%
disagree

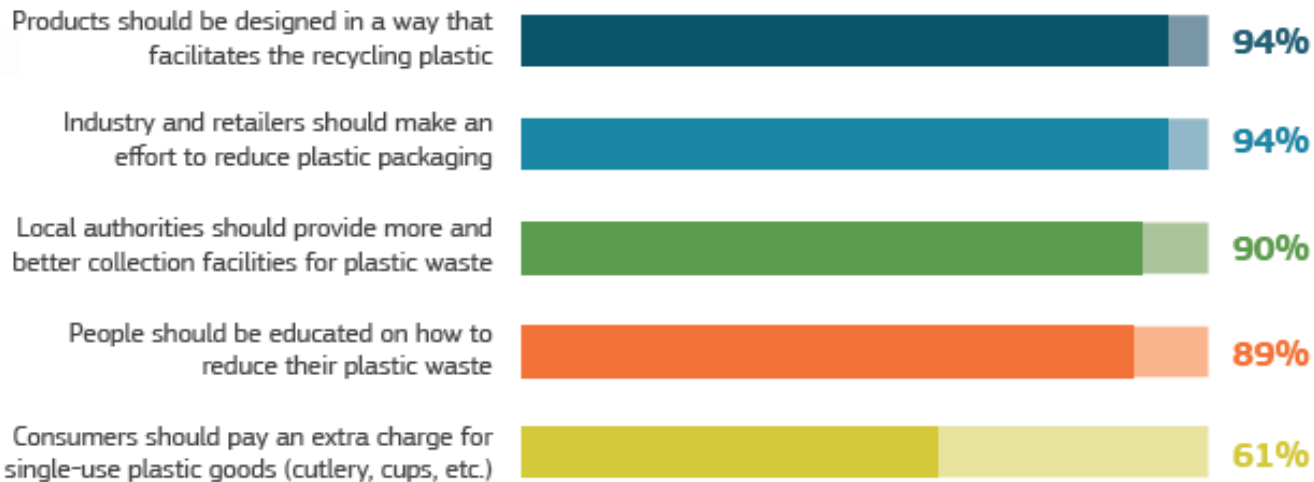
You are worried about the impact on your health of everyday products made of plastics



87%
agree
11%
disagree

You are worried about the impact on the environment of everyday products made of plastics

In your opinion, how important is each of the following in reducing plastic waste and littering (%-EU)





European
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A European
Strategy for
Plastics in
the Circular
Economy

A EUROPEAN STRATEGY FOR PLASTICS IN THE CIRCULAR ECONOMY

- **Smart**
- **Innovative**
- **Sustainable**



- **Opportunities**
- **Social innovation**
- **Environment**

Four main axis





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Better separate waste collection

Boosting recycled content

Stimulate design for circularity



all plastics packaging
**reusable or recyclable
by 2030**



Actions on single use plastic

Tackling marine litter

**Improve harmonisation
(framework)**

**Litter National plans
(Waste Package)**



**Strategic Research Innovation
Agenda for Plastics (2018)**

**H2020 additional €100 million
Investments (*up until 2020*)**



Call for global action

**Support to multilateral
initiatives on plastics**

**Development in cooperation
funding (European External
Investment Plan)**

ITEMS FOUND ON EU BEACHES



Single use plastics

- **Public consultation (Dec 2017 – 12 Feb 2018)**
- **Focus on most found items in beaches (including fishing gears)**
- **2018 impact assessment**

Report on Oxo-degradable plastics

No conclusive evidence on beneficial effects of oxo-degradable plastics on the environment

**Potential risk to the environment
(e.g. micro-plastics accumulation in soils
and water)**

**Oxo-degradable plastics not a solution for
the environment**



"EU wide measures should be considered"
(Plastics Strategy)

Revision of Directive on Port reception facilities

potential for addressing the sea-based sources of marine litter

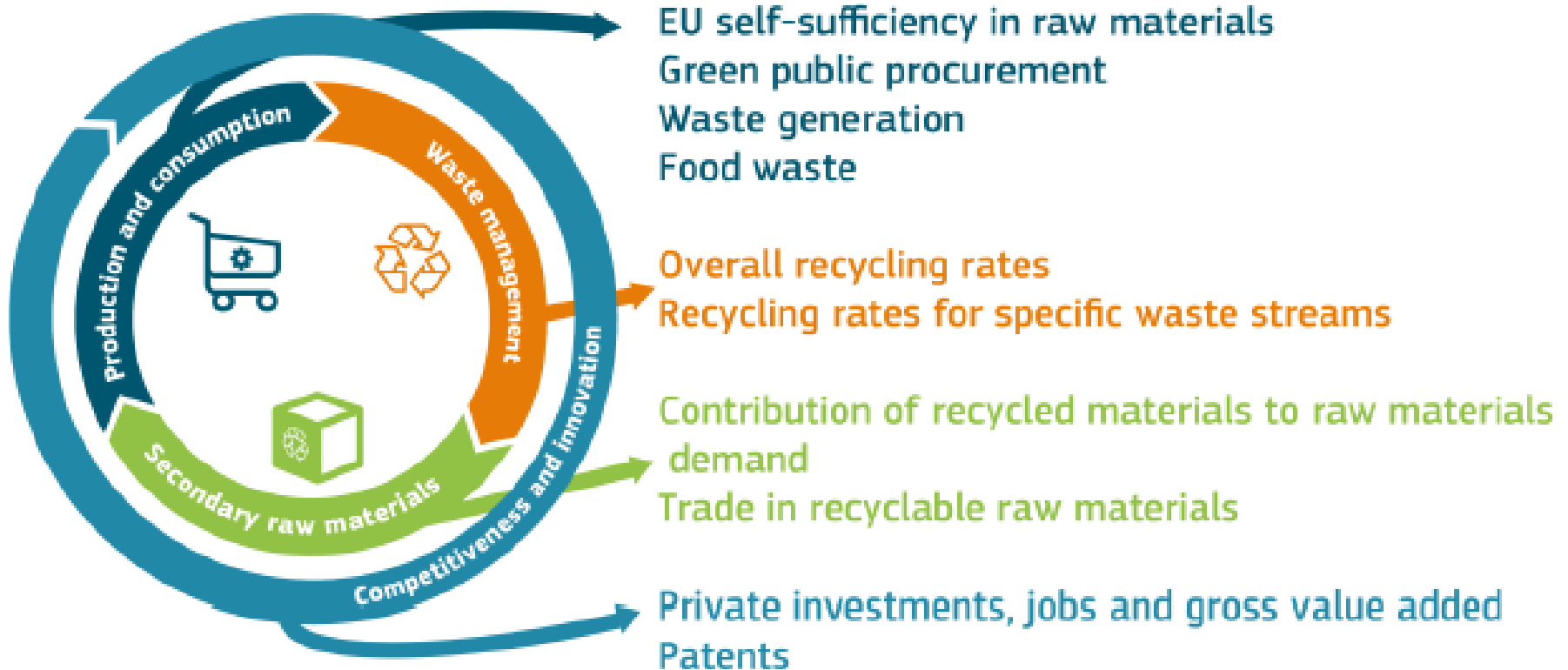


- **Ensuring waste delivery from ships**
- **Adopting principles of EU waste policy**
- **Separate collection of waste in ports**
- **100% indirect fee (= 'No Special Fee') for garbage from ships**



CIRCULAR ECONOMY MONITORING FRAMEWORK

Measuring progress at EU and national level in the transition to a circular economy



CIRCULAR ECONOMY MONITORING FRAMEWORK

Measuring progress at EU and national level in the transition to a circular economy

1/ EU SELF-SUFFICIENCY FOR RAW MATERIALS

The share of a selection of key materials (including critical raw materials) used in the EU that are produced within the EU

2/ GREEN PUBLIC PROCUREMENT

The share of major public procurements in the EU that include environmental requirements

3 A-C/ WASTE GENERATION

Generation of municipal waste per capita; total waste generation (excluding major mineral waste) per GDP unit and in relation to domestic material consumption

4/ FOOD WASTE

Amount of food waste generated

7A-B/ CONTRIBUTION OF RECYCLED MATERIALS TO RAW MATERIALS DEMAND

Secondary raw materials' share of overall materials demand – for specific materials and for the whole economy

8/ TRADE IN RECYCLABLE RAW MATERIALS

Imports and exports of selected recyclable raw materials



5A-B/ OVERALL RECYCLING RATES

Recycling rate of municipal waste and of all waste except major mineral waste

6A-F/ RECYCLING RATES FOR SPECIFIC WASTE STREAMS

Recycling rate of overall packaging waste, plastic packaging, wood packaging, waste electrical and electronic equipment, recycled biowaste per capita and recovery rate of construction and demolition waste

9A-C/ PRIVATE INVESTMENTS, JOBS AND GROSS VALUE ADDED

Private investments, number of persons employed and gross value added in the circular economy sectors

10/ PATENTS

Number of patents related to waste management and recycling

INTERFACE OF CHEMICALS, PRODUCTS AND WASTE LEGISLATION

Barriers for a full circular economy



Insufficient **information**



Presence of
substances of concern



Difficulties to apply
End of Waste criteria



No clear application of EU waste
classification methodologies



Challenges

- **Defining and tracking** substance of concern
- **Level playing field between:** secondary and primary material EU-produced and imported articles
- **Design for circularity**
- Improving **certainty** in implementation
- **Approximating** the rules
- Better **classification**



The Communication identified possible options to overcome the barriers

Objective: opening discussion with MS and stakeholders

REPORT ON CRITICAL RAW MATERIALS

What's a Critical Raw Material (CRM)?

- **high risk of a supply disruption**
- **high economic importance**
to the EU economy

Objective:

**-Coherent and effective EU
approach** to CRMs and the
Circular Economy



- **Global situation of the 27 CRMs**
- **Mapping of EU key actors, policies, and data**
- **Analysis of 8 key sectors with:**
Data
Existing EU policies
Best Practices
Possible further actions

→ *to be further assessed*



#CEstakeholderEU

European Circular Economy Stakeholder Platform

A joint initiative by the European Commission and the European Economic and Social Committee



Home Good Practices Strategies Knowledge Policy & Commitments Dialogue Contribute! News & Events About

- **Advancing the circular economy concept on the ground**
- **Strengthening cooperation among stakeholders' networks**



Coordination Group:

representatives of networks of businesses, civil society and local, regional and national public authorities



Submit your own good practices, knowledge, strategies and policy commitments!

Link to website: <http://circulareconomy.europa.eu/platform/>



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Thank you for your attention

Learn more about the circular economy

http://ec.europa.eu/environment/circular-economy/index_en.htm