



Circular Economy Action Plan

For a cleaner and
more competitive
Europe

Monitoring progress towards the circular economy in the EU

**Videoconference
European Resource Forum**

**Parallel session 7: Resource efficiency and circular
economy indicators and targets**

3 November 2020

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DG Environment, European Commission**

Monitoring progress on Circular economy in the EU

Policy context

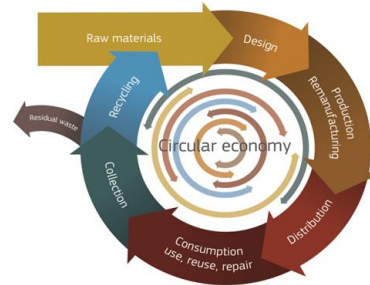


- EUROPEAN PARLIAMENT: (...) calling upon the Commission to develop indicators on resource efficiency to track progress towards circular economy (...)(EP Resolution of 9 July 2015)
- EUROPEAN COMMISSION: (...) the Commission will (...) propose a simple and effective monitoring framework for the circular economy (...) (Circular Economy Action Plan, 2 December 2015) :
“In order to assess progress towards a more circular economy and the effectiveness of action at EU and national level, it is important to have a set of reliable indicators. (.....) On this basis, the Commission will work in close cooperation with the European Environment Agency (EEA) and in consultation with Member States to propose a simple and effective monitoring framework for the circular economy”
- EU COUNCIL: (...) the need for a monitoring framework to strengthen and assess the progress towards CE, while minimising the administrative burden (...)
- (Environment Council conclusions of 20 June 2016)

Monitoring progress on Circular economy in the EU

Principles

- Systemic Change
[entire economy, all products & services]
- One, universal "circularity" indicator does not exist
- Need to cover all stages of the lifecycle [of resources, products & services] and overall economic aspects



Approach

- **10** individual indicators
- In **4** main groups
 - production/consumption;
 - waste management;
 - secondary raw materials,
 - competitiveness/innovation
- Covering the **entire loop**
- Capturing **main** CE elements
- Also presented on a **website**, continuously updated

EU Monitoring framework for the Circular economy

WHEN?

16 January 2018

HOW?

within the mini-package on Circular Economy

WHO?

Commissioners Bieńkowska, Vella and Thyssen
in agreement with FVP Timmermans and VP Katainen

WHAT?

- Communication – [COM \(2018\) 29](#)
- Staff Working Document – [SWD \(2018\) 17](#)
- Website – [Eurostat dedicated section](#)

EU Monitoring framework for the Circular economy

Overview of the 10 indicators

1 EU self-sufficiency for raw materials

2 Green public procurement

3a-c Waste generation

4 Food waste

7a-b Contribution of recycled materials to raw materials demand

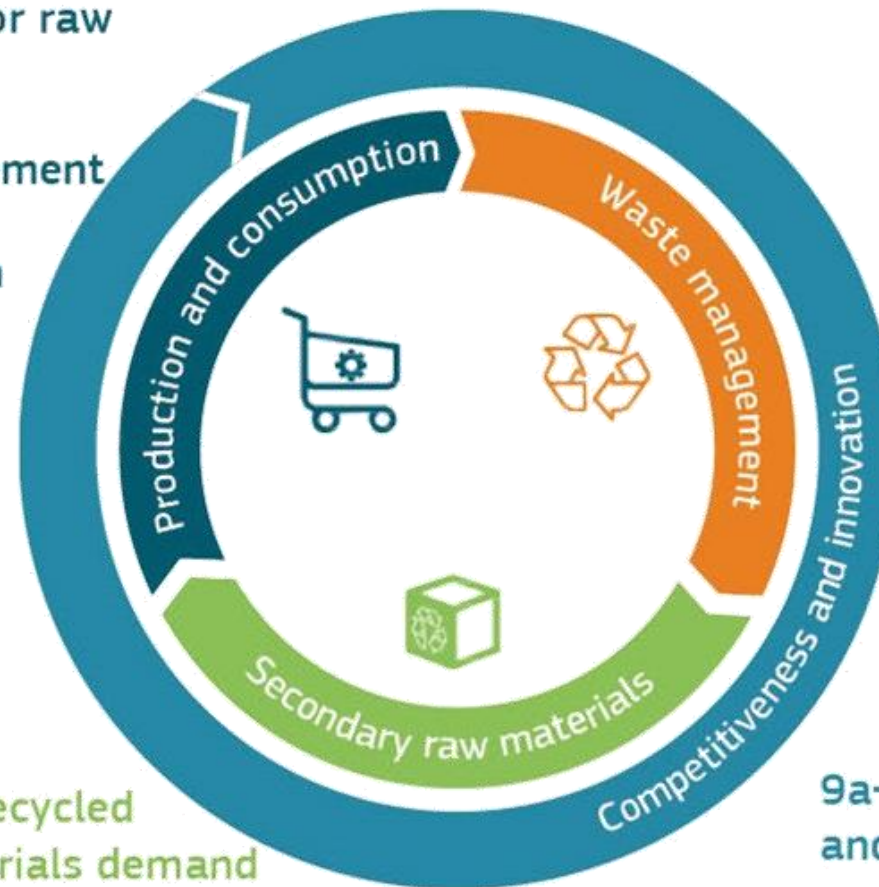
8 Trade in recyclable raw materials

5a-b Overall recycling rates

6a-f Recycling rates for specific waste streams

9a-c Private investments, jobs and gross value added

10 Patents



EU Monitoring framework for the Circular economy

What the indicators measure

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

5a-b Overall recycling rates

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

6 a-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

7 a-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

9 a-c Private investments, jobs and gross value added

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

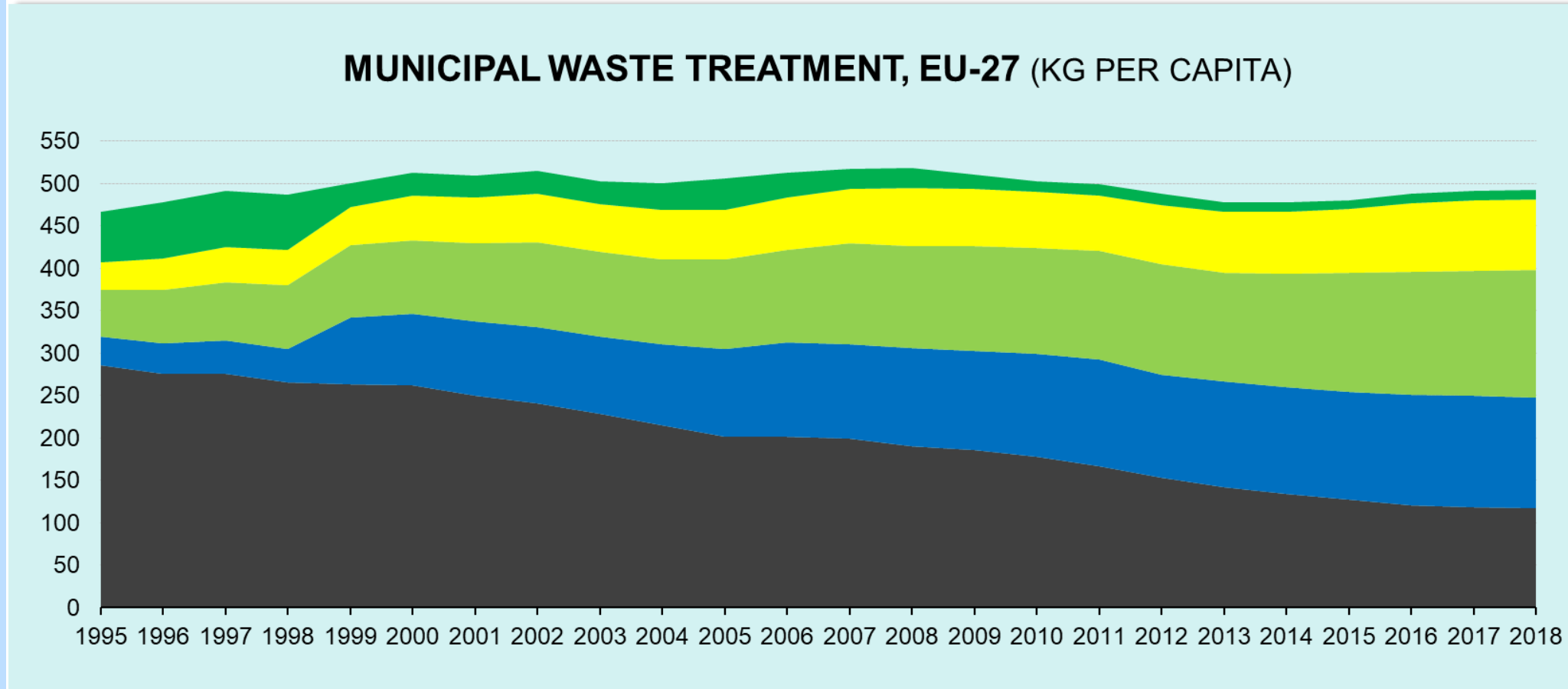
10 Patents

Number of patents related to waste management and recycling



EU Monitoring framework for the Circular economy

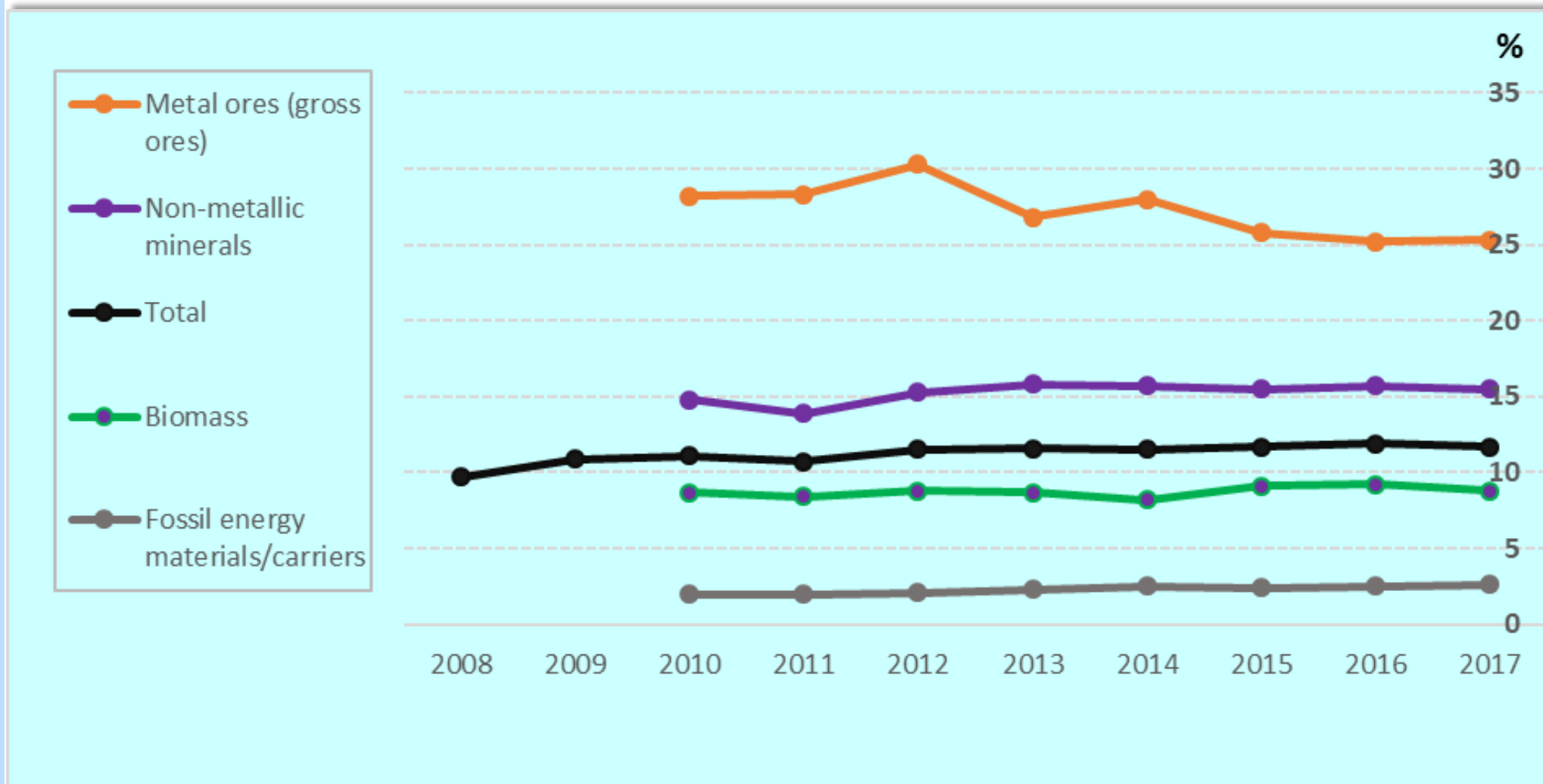
Waste management



EU Monitoring framework for the Circular economy

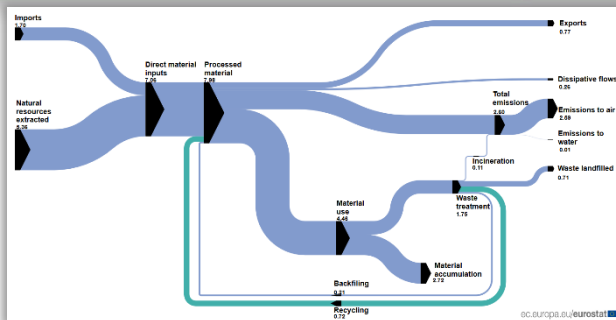
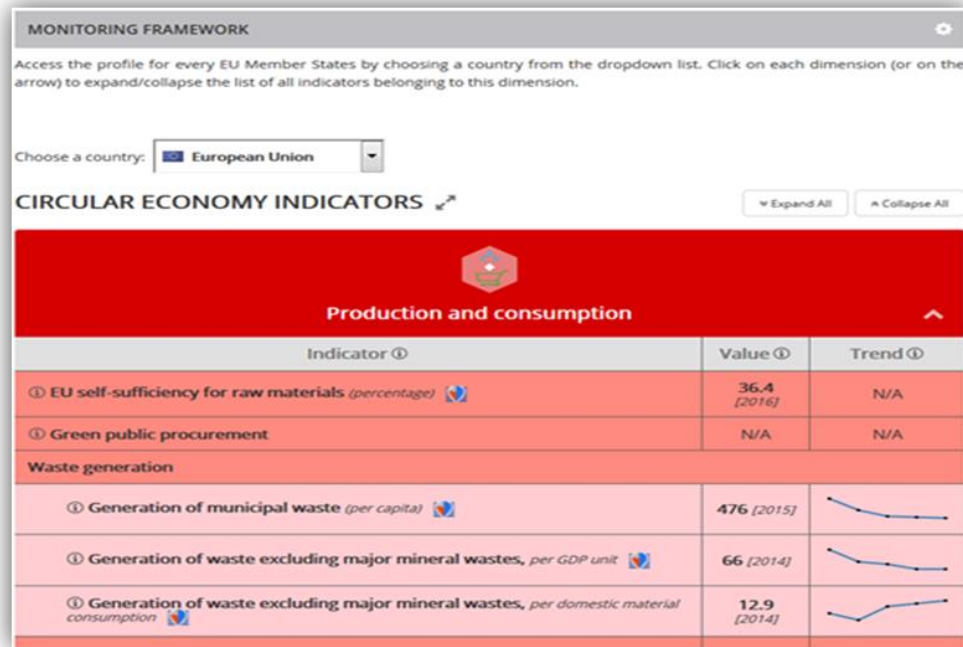
Secondary Raw Materials

Circular material use rate in the EU by material category



EU Monitoring framework for the Circular economy

Web pages eurostat



Eurostat - Tables, Graphs a...

http://ec.europa.eu/eurostat/tgm/table.do?tab=table

Search

Table Graph Map

2.4.2-r2159-2016-08-11 (PROO) Online support Legal Notice

Recycling rate of municipal waste

%

The recycling rate, expressed in percentage, is the tonnage recycled from municipal waste ... more

Code: cei_wm011

geo	time	2011	2012	2013	2014	2015
EU (28 countries)		39.6 ^s	41.5 ^s	42.2 ^s	43.7 ^s	45.0 ^s
EU (27 countries)		39.8 ^s	41.7 ^s	42.4 ^s	43.9 ^s	45.2 ^s
Belgium		54.3	53.1	52.7	53.2	53.4
Bulgaria		26.2	25.0	28.5	23.1	29.4
Czech Republic		17.0 ^e	23.2 ^e	24.2 ^e	25.4 ^e	29.7 ^e
				43.2	45.1	46.3
				63.8	65.6	66.1 ^e
				17.9	31.3	28.3

Source of Data: Eurostat

Circular material use rate (cei_srm030)

Indicator Profile (ESMS)

Data tables: cei_srm030

Compiling agency: Eurostat, the statistical office of the European Union

Eurostat metadata	
Reference metadata	
1. Contact	
2. Metadata update	
3. Relevance	
4. Statistical indicator	
5. Frequency and Timeliness of dissemination	
6. Coverage and comparability	
7. Accessibility and clarity	
8. Comment	
Related Metadata	
Annexes (including footnotes)	

Eurostat Quality Profile	
4.5. Source data	ESS
5.1. Frequency of dissemination	Every 2 years
5.2. Timeliness	T-2 years
6.1. Reference area	All EU MS
6.2. Comparability - geographical	All EU MS
6.3. Coverage - Time	> 10 years
6.4. Comparability - over time	> 4 data points

Description of Eurostat quality grading system under the following link.

Download

For any question on data and metadata, please contact: [EUROPEAN STATISTICAL DATA SUPPORT](#)

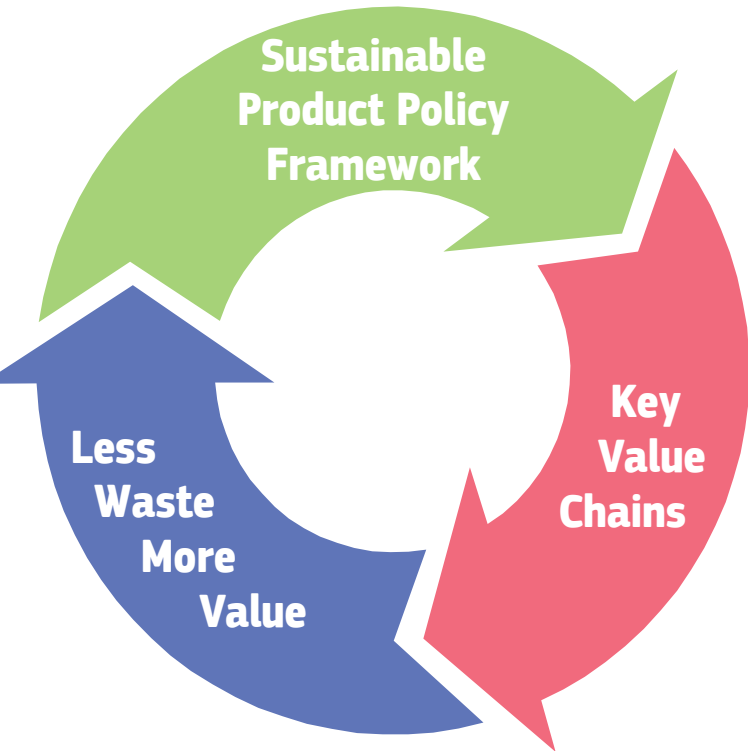
1. Contact	
1.1. Contact organisation	Eurostat, the statistical office of the European Union
1.2. Contact organisation unit	E2: Environmental statistics and accounts; sustainable development
1.5. Contact mail address	2920 Luxembourg LUXEMBOURG

2. Metadata update	
2.1. Metadata last certified	28/11/2017
2.2. Metadata last posted	28/11/2017
2.3. Metadata last update	28/11/2017

WHAT NEXT?



A new Circular Economy Action Plan – March 2020



Make sustainable products the norm in the EU
Empower consumers and public buyers
Sustainable production processes

Electronics and ICT
Batteries and vehicles
Packaging
Plastics
Textiles
Construction and buildings
Food, water and nutrients

Reduce Waste
Reduce Waste Exports
Boost market for high quality and safe secondary raw materials

Making circular economy work for people, regions and cities

Circular economy as a requisite for climate neutrality

Getting the Economics Right

Financial Markets

Investments and R&I

Global Level Playing Field

Monitoring

Actions on Monitoring progress



Monitoring
Framework for the
Circular Economy

“ revision of the monitoring framework for a circular economy to add new indicators (interlinkages between circularity, climate neutrality and the zero pollution ambition)”



Indicators on
resource use

“ development of indicators on resource use, including consumption and material footprints to account for material consumption and environmental impacts associated to our production and consumption”

Better monitoring circular economy



Improving the EU monitoring framework by 2021

1. Linking to priorities of the new circular economy action plan
2. Considering the opinions from other EU institutions and stakeholders
3. Bellagio declaration
4. Contribution to monitor the 8th Environment Action Programme



Supporting other initiatives on circular economy metrics

- For cities (EU Urban partnership on circular economy, OECD)
- For regions (SCREEN)
- For nations
- For business
- For SDGs (global and EU indicators)
- PACE initiative on CE metrics

Circular economy in the EU

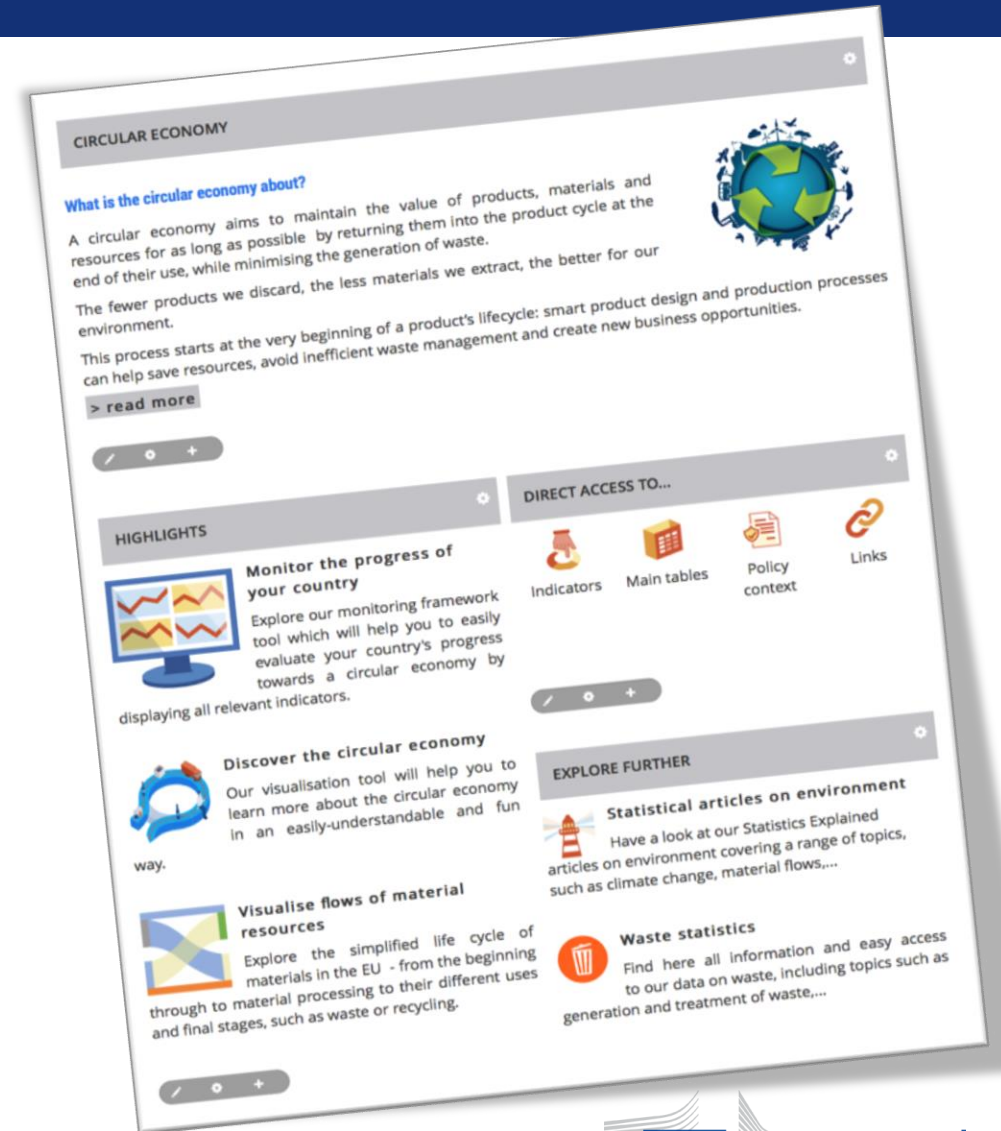
To know more

European Commission priority European Green Deal:
https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal_en

DG Environment:
https://ec.europa.eu/environment/circular-economy/index_en.htm

DG Internal Market, Industry, Entrepreneurship and SMEs:
https://ec.europa.eu/growth/industry/sustainability/circular-economy_en

Eurostat:
<http://ec.europa.eu/eurostat/web/circular-economy>



Thank you

More here:

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



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