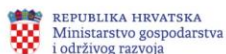
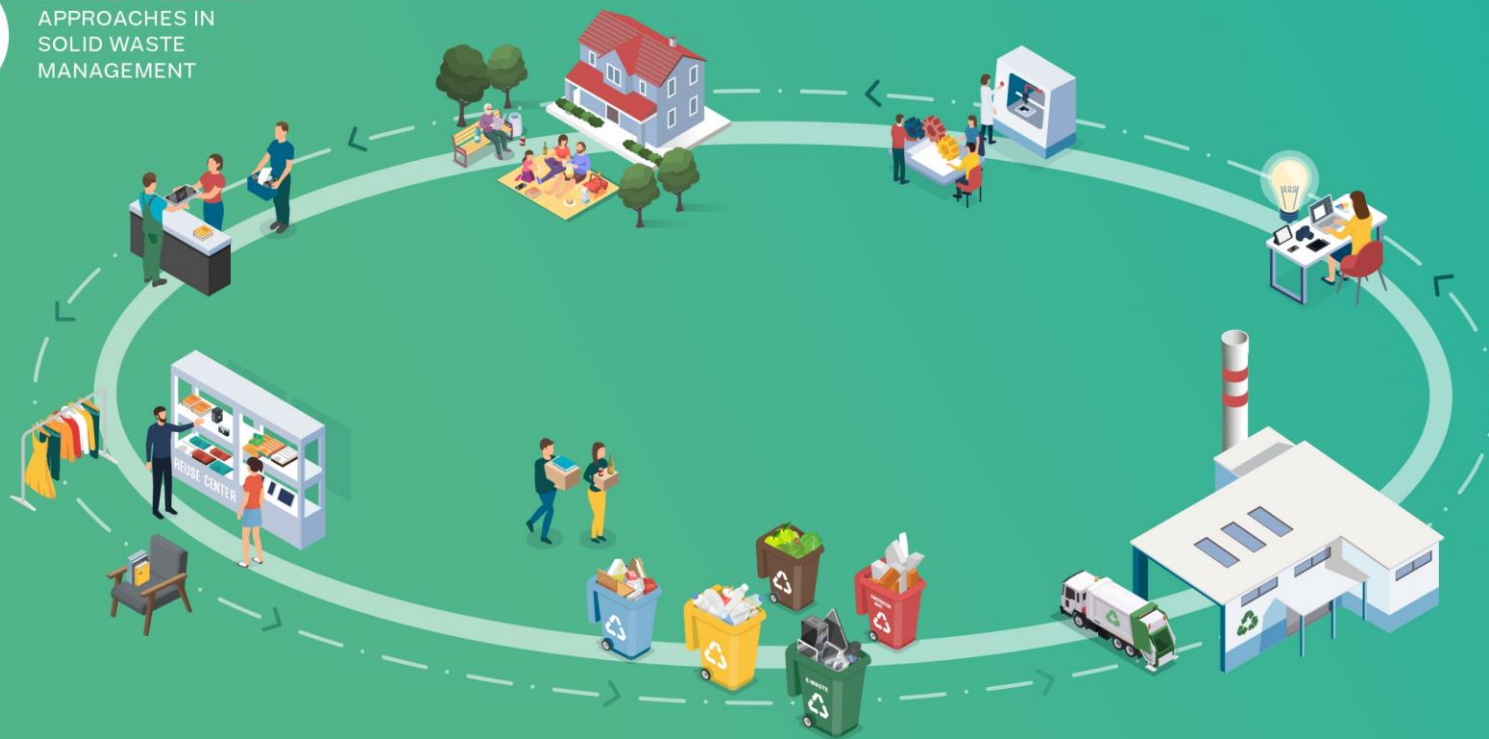




CIRCULAR ECONOMY
APPROACHES IN
SOLID WASTE
MANAGEMENT

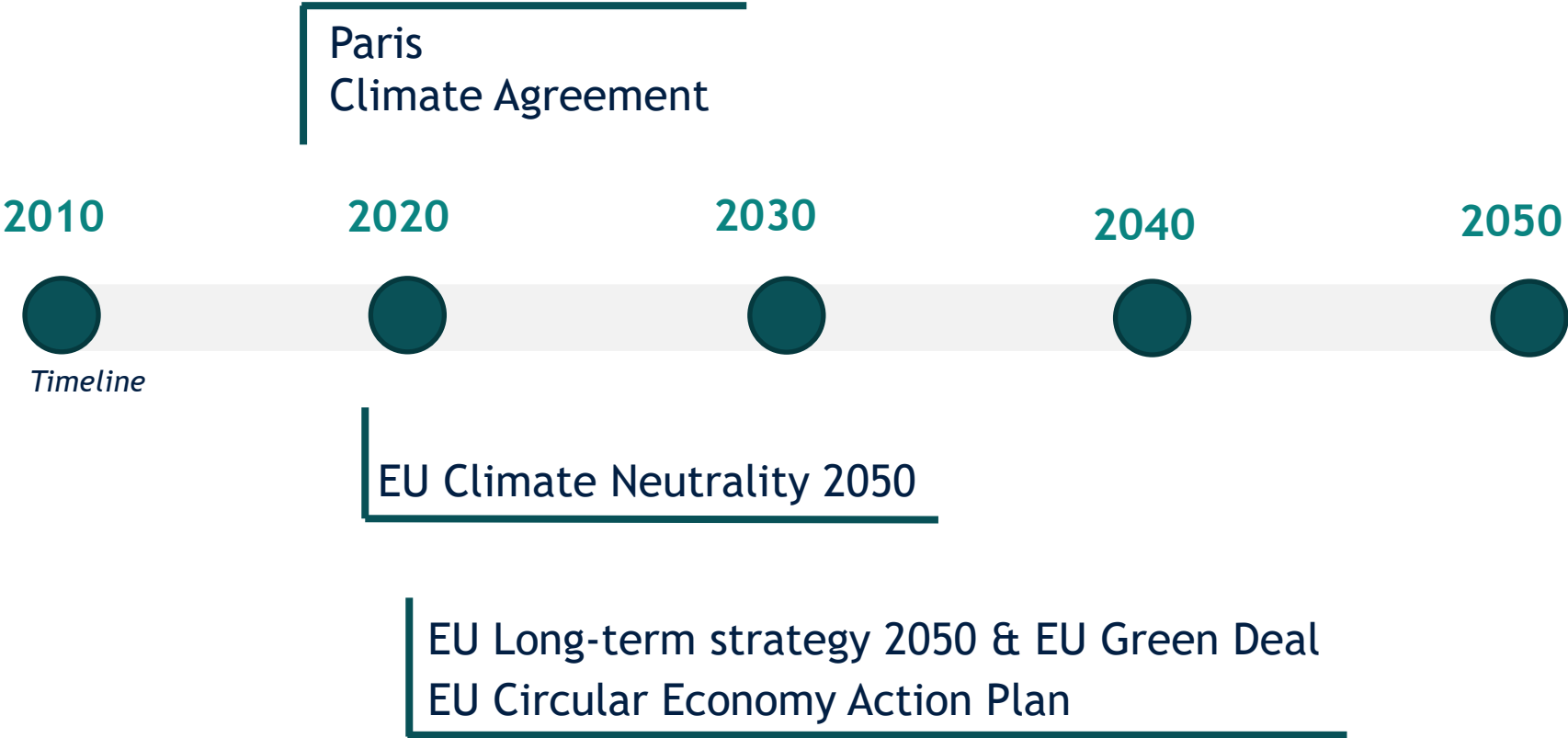


Project co-financed by the European Union from the Cohesion Fund

CIRCULAR ECONOMY IN THE EU AN OVERVIEW

ULRICH KRAL, ENVIRONMENT AGENCY AUSTRIA, 6. MAY 2022

European policy context for circular economy



Definition

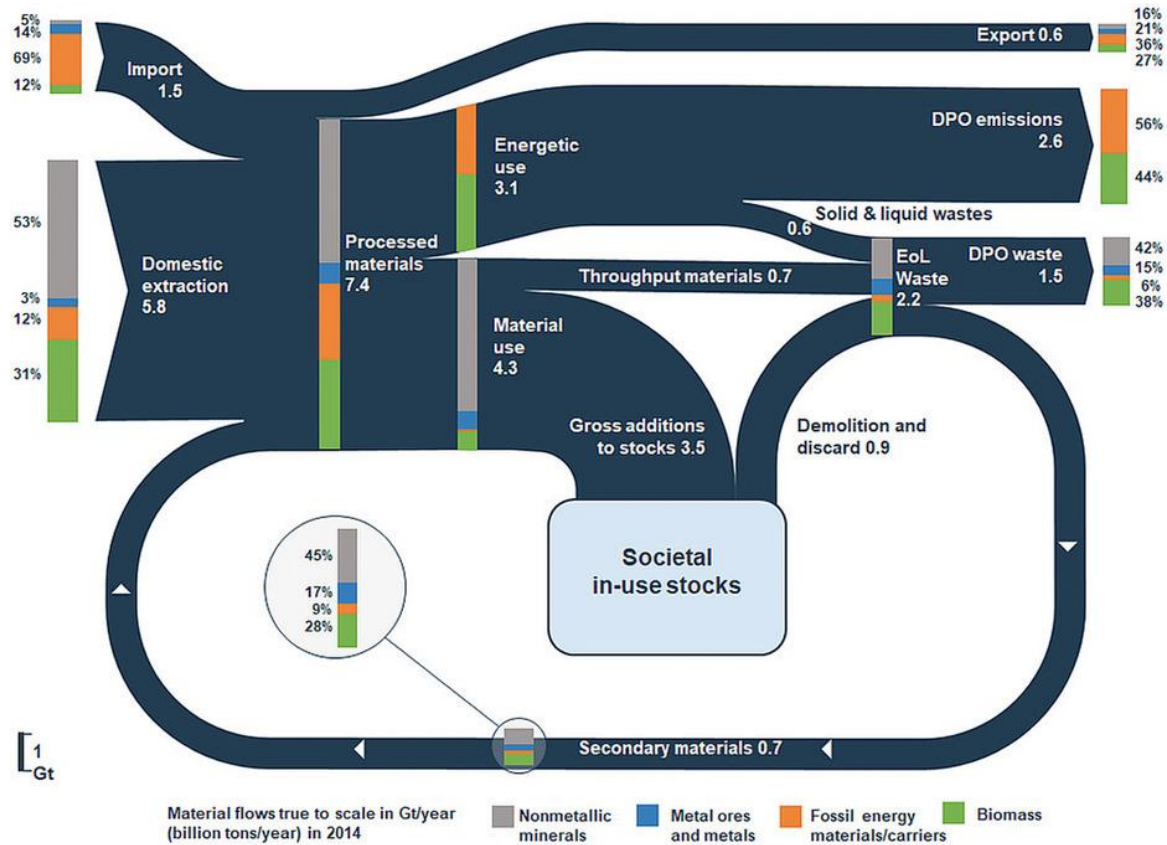
The EU Parliament says:

“CE is an economic model based inter alia on sharing, leasing, reuse, repair, refurbishment and recycling, in an (almost) closed loop, which aims to retain the highest utility and value of products, components and materials at all times.”

European Parliament (2016). Closing the loop.
New circular economy package. Briefing January 2016,
https://www.europarl.europa.eu/RegData/etudes/BRIE/2016/573899/EPRS_BRI%282016%29573899_EN.pdf

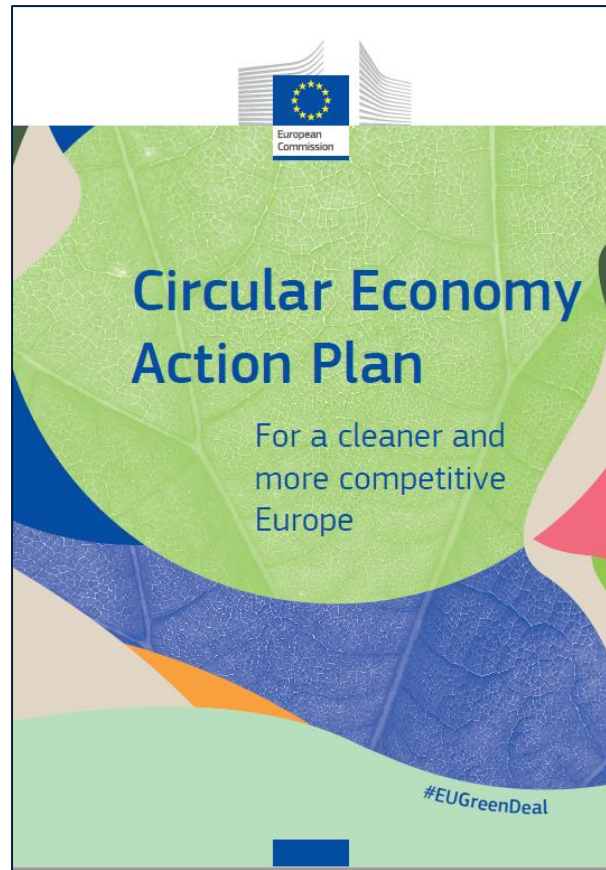
CE requires material system transformation

Material flows through the EU28 economy in 2014



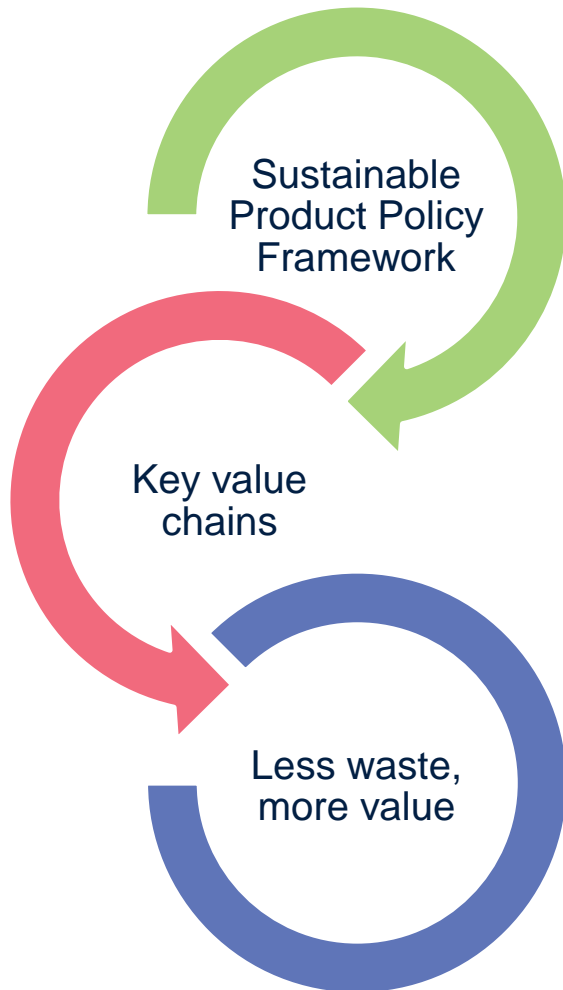
J of Industrial Ecology, Volume: 23, Issue: 1, Pages: 62-76, First published: 25 September 2018, DOI: (10.1111/jiec.12809)

CE Action Plan



<https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:52020DC0098&from=EN>

Transforming production and consumption



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

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

35 Actions: Selection

A SUSTAINABLE PRODUCT POLICY FRAMEWORK

- Legislative proposal for a **sustainable product policy initiative**
- Mandatory Green Public Procurement (GPP) criteria and targets in sectoral legislation and phasing-in mandatory reporting on GPP

KEY PRODUCT VALUE CHAINS

- Proposal for a new **regulatory framework for batteries**
- **EU Strategy for Textiles**

LESS WASTE, MORE VALUE

- Waste reduction targets for specific streams and other measures on waste prevention
- Methodologies to track and minimise the presence of substances of concern in recycled materials and articles made thereof

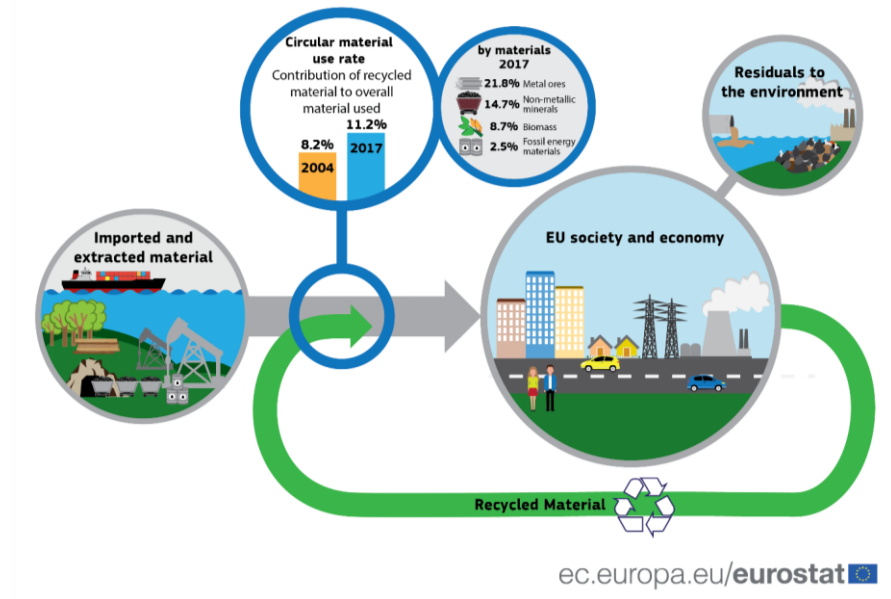
CE Monitoring Framework

11 indicators in 4 groups

- Production and consumption
- Waste management
- Secondary raw materials
- Competitiveness and innovation

Example:

Circular material use rate, EU, 2017



<https://ec.europa.eu/eurostat/web/circular-economy/indicators/monitoring-framework>

Circular Economy Stakeholder Platform

Good Practices



Strategies



Knowledge



Dialogue



Network



EU Circular Talks



<https://circulareconomy.europa.eu/platform/>

CE insights via country reports (upcoming)

Information on circular economy implementation at Member States level

- Environmental Implementation Review 2022
- Country profiles on circular economy policies 2022

Thank you for listening!

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