



Circular Procurement

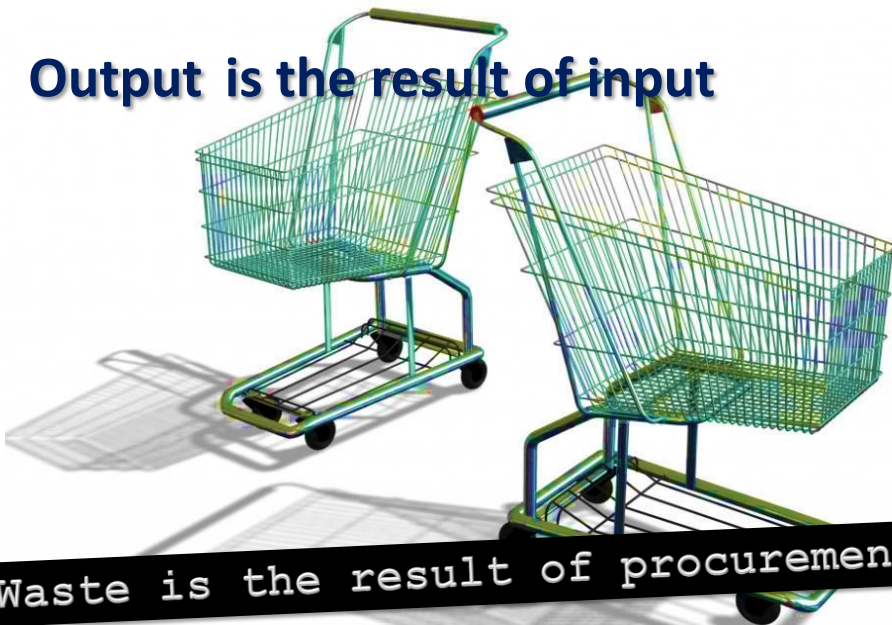


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Output is the result of input



Waste is the result of procurement

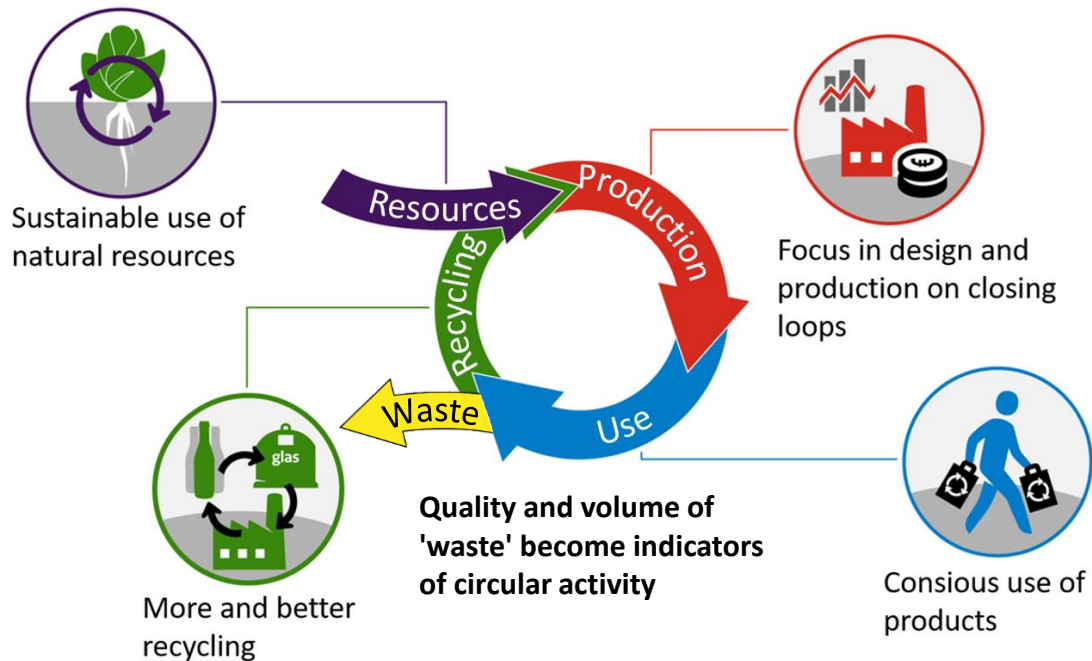


TABLE OF ASSESSMENT CRITERIA FOR CIRCULAR ECONOMY PROJECTS - REV. 3.0

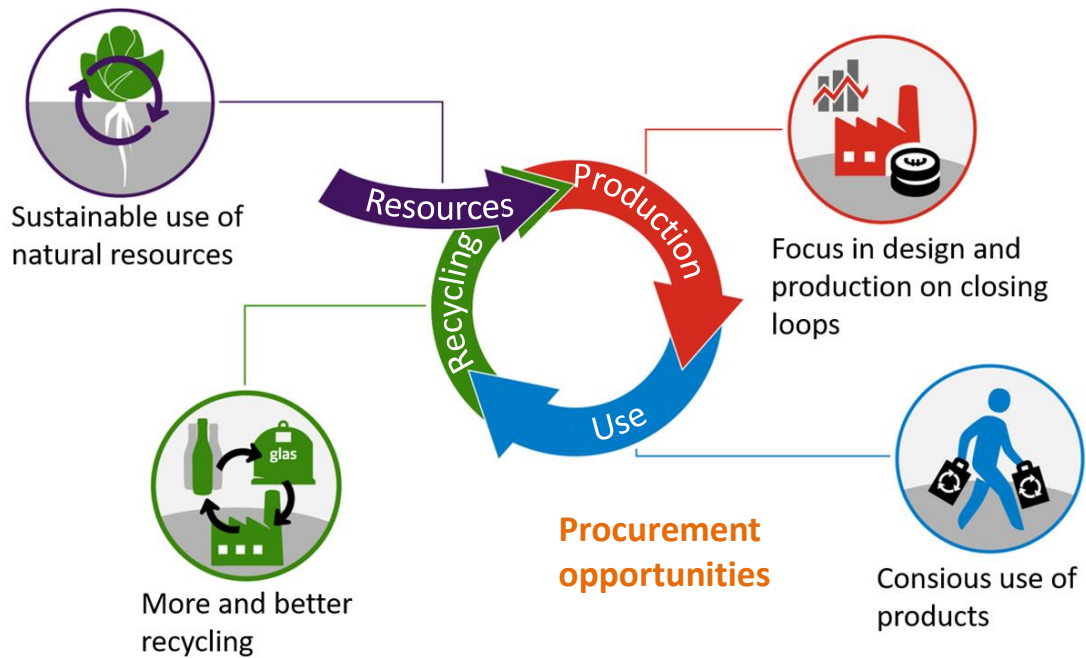
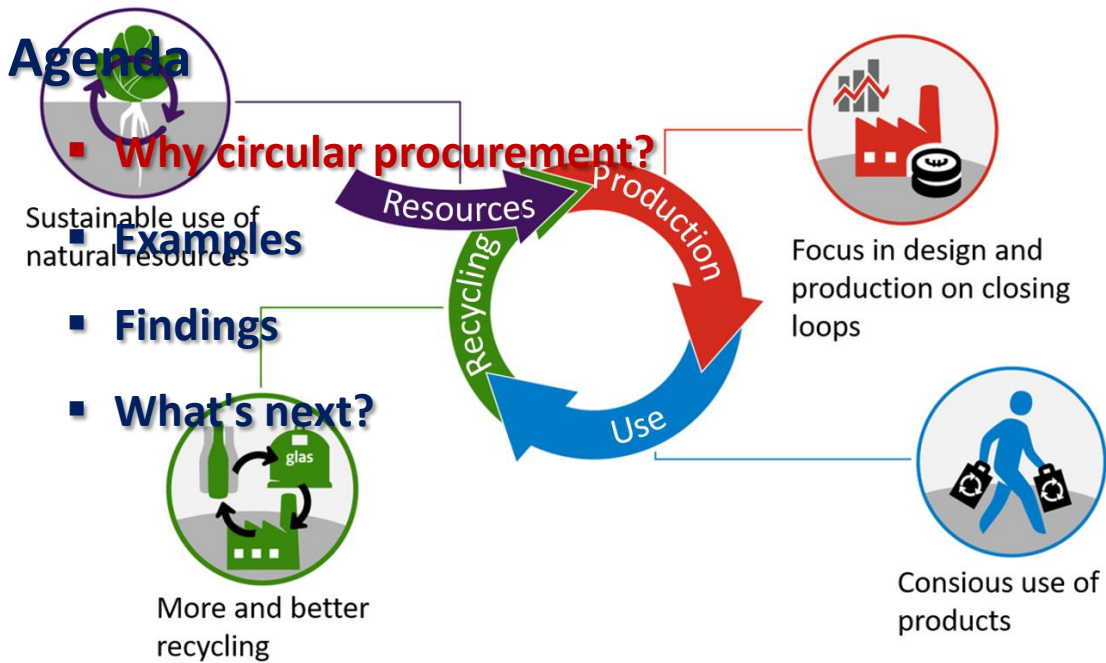


These criteria are part of the implementation plan given in the Circular Economy action plan [COM(2015) 614], where circular economy is explained as an economy *'where the value of products, materials and resources is maintained in the economy for as long as possible and a minimum of waste is generated'*. It is an intermediate indicator is a mean to harmonize the different metrics and to easily arrive at a coherent and transparent ranking list.

	A	B	C	D	E	F
	CRITERION	Explanation	Metrics	Additional parameters	Assessment indicator	Weight
PRODUCTION	1	Re-shaping the first stage of an industrial process (Product design) in order to generate AND/OR increase the life of the final product	Kg/year of virgin material avoided through the new process AND/OR by the prolongation of the product's life	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	10
	2	Replacement , total or partial, of virgin material with "secondary raw material"	Kg/year of virgin material avoided through the new process	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	8
CONSUMPTION	3	Re-use of products and materials in the production process	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	8	
DISPOSAL	5	Mass of waste resources recovered and re-introduced in a production cycle as secondary raw material	Kg/year	Economic value of the secondary raw material (€/Kg) minus Cost of its transport to the production site (€/Kg) (*)	Metrics x additional parameter (€/year)	8
	6	Project promoting waste recycling	Waste produced by the target Kg/year	Cost of disposal (€/Kg)	Metrics x additional parameter (€/year)	6
ENVIRONMENTAL CRITERIA	7	"Net Energy balance respect to the previous system" or "Amount of energy recovered"	Energy (KWh) used in the old process <i>per unit of product</i> divided by energy used in the new process for the same unit of product		Metrics (the number in column C)	1 (the assessment indicator is "per se" a weight)
	8	Reduction of emissions	Emissions of CO ₂ (**) generated by the old process <i>per unit of product</i> divided by emissions used in the new process for the same unit of product		Metrics (the number in column C)	
SOCIAL CRITERION	9	Net balance of jobs	Number of new jobs created by the circular economy project, minus Number of jobs destroyed by the project	N = Number of full time working units (can be positive or negative) P = Number of full time working units in the old process	$1 + \frac{(N)}{P}$	
Applicants may select only one of these two boxes			The weight of the related project is increased by 50%			
Implementation of "CIRCULAR PROCUREMENT" in the project (tick the box if relevant)						
Educational projects targeted to relevant stakeholders (tick the box if relevant)			The weight of the related project is increased by 20%			

(*) In case the secondary raw material does not have a final destination but is just "put on the market", the weight is reduced from 8 to 7

(**) In case of other pollutants, a table of equivalence should be used to convert them into CO₂ equivalent emissions - <https://climatechangeconnection.org/emissions/co2-equivalents/>





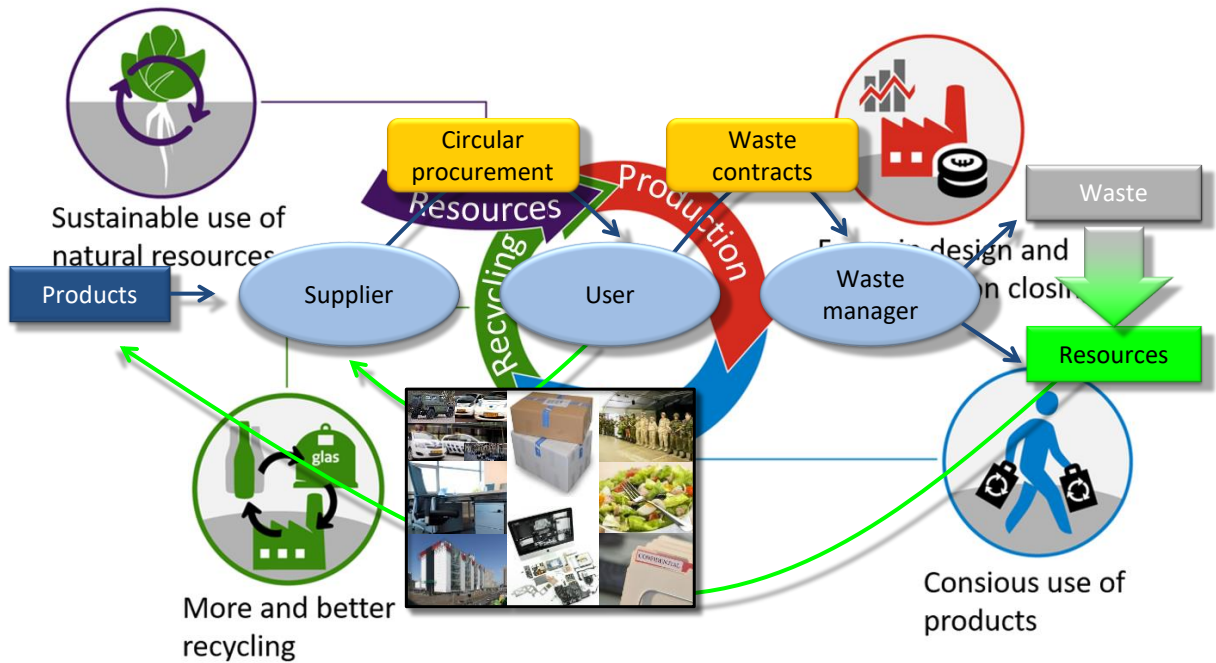
PRACTICE WHAT YOU PREACH

Circular procurement is a lever for circular economy



**Relevance
€ 1.800 billion
of procurement?**

1.800.000.000.000



Agenda

Why circular procurement?

Sustainable use of natural resources

Examples

Findings

What's next?



More and better recycling



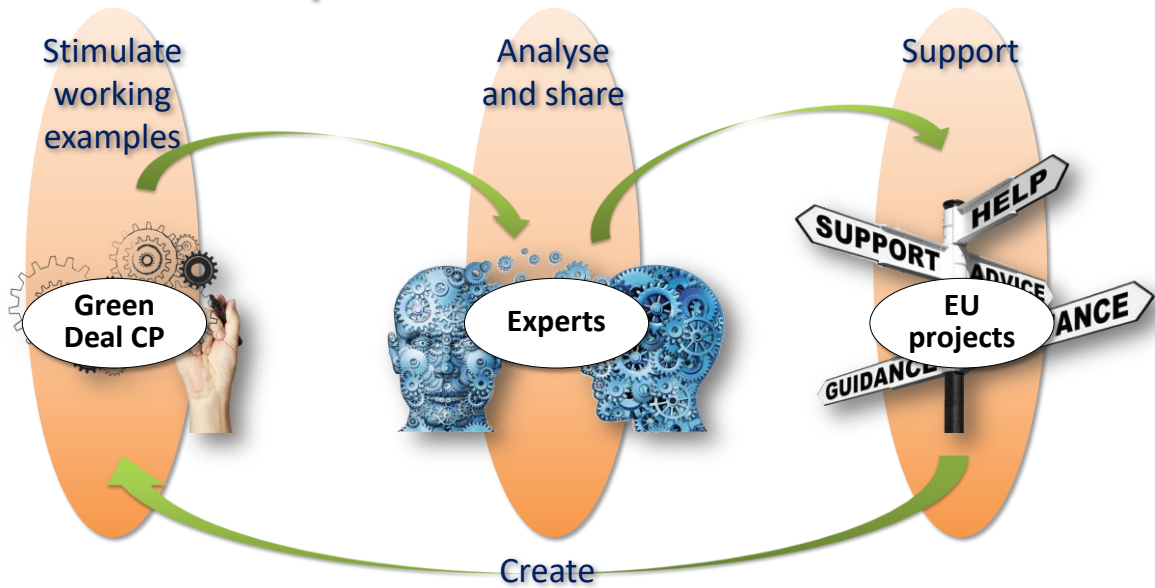
Focus in design and production on closing loops



Conscious use of products



Create examples



Green Deal Circular Procurement 2.0



Pilots

- Waste
- Catering
- Company clothing
- Mobility
- ICT hardware
- Furniture
- Building & Construction
- Paper
- Packaging



<https://www.piano.nl/en/sustainable-public-procurement/spp-themes/circular-procurement/getting-started-circular-procurement>

Furniture



Ambition

Organising the design and use of office furniture in a way that products and (raw) materials remain employable.



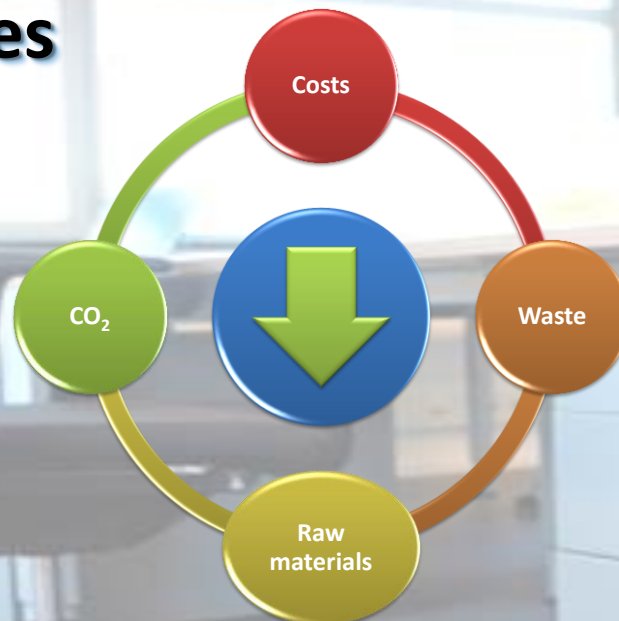
Goals circular category furniture

- Extend life of current furniture by more intensive maintenance
- Reuse existing furniture within government
- Repair or refurbish (parts of) existing furniture
- Circularity requirements when purchasing new furniture

Savings

€ 2,5 - 4 million

Revenues



Office paper



CONFIDENTIAL

Office paper

Total costs of disposal confidential documents: - € 1.000.000

Substance

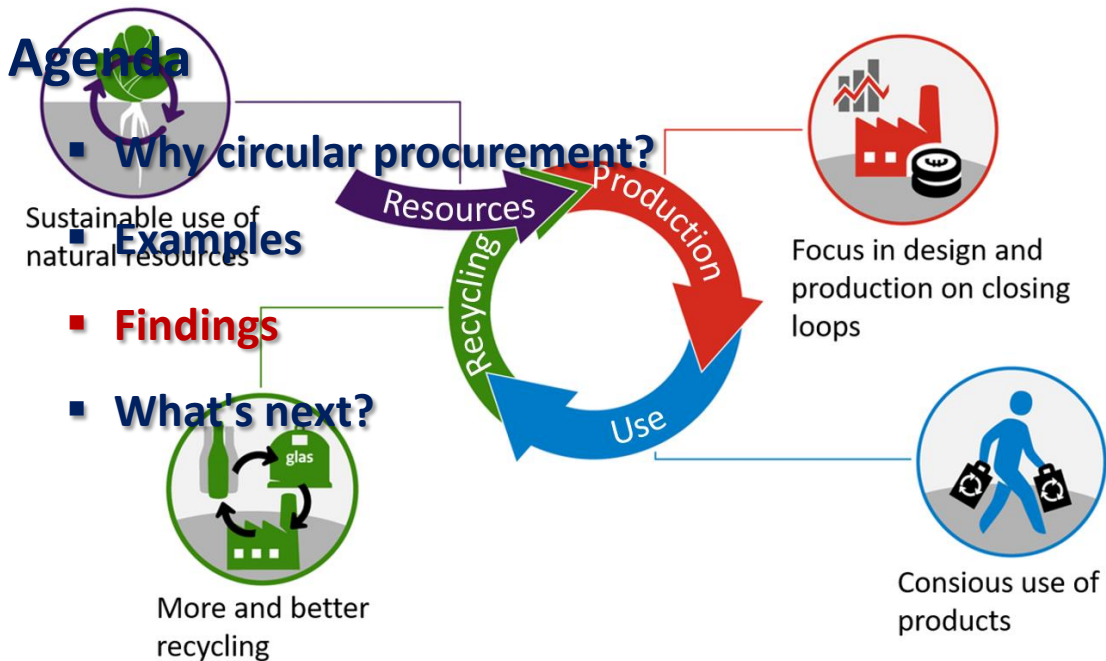
- 100% clean white paper
- raw material for new white paper

Offer instead of demand

- our yearly 'production' of white paper is now sold
- guarantee of confidential disposal

Total income on disposal of white paper (same flow): + € 500.000

Earnings: + € 1.500.000



Benefits of circular procurement

- Closing material loops
- Less waste (sustainable and cheaper)
- Cost savings in procurement
- Stimulate (circular) economic activity
- Benefits on other ambitions
- Lead by example / credibility



Butterfly Simplified Reality = Collaboration



Interfacial Science Foundation



Why circular procurement?

Sustainable use of natural resources

Examples

Findings

What's next?



More and better recycling



Focus in design and production on closing loops



Conscious use of products



Regional collaboration in Europe

- Cities and regions are change agents
- Tools like SCREEN to assess and measure and improve
- Green Deals Circular Procurement for acceleration and impact



GDs as hubs for knowledge and tools...



You don't have to see the whole staircase,
just take the first step.

Martin Luther King