



Circular Procurement



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Circular Procurement = Circular Economy



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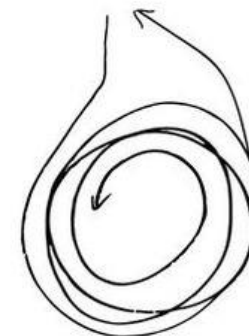
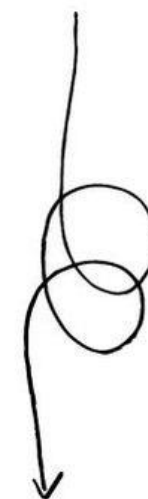
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LINEAR ECONOMY

RECYCLING
ECONOMY

CIRCULAR
ECONOMY



EARTH OVERSHOOT DAY 2020 FELL ON

Earth Overshoot Day marks the date when humanity's demand for ecological resources and services in a given year exceeds what Earth can regenerate in that year.

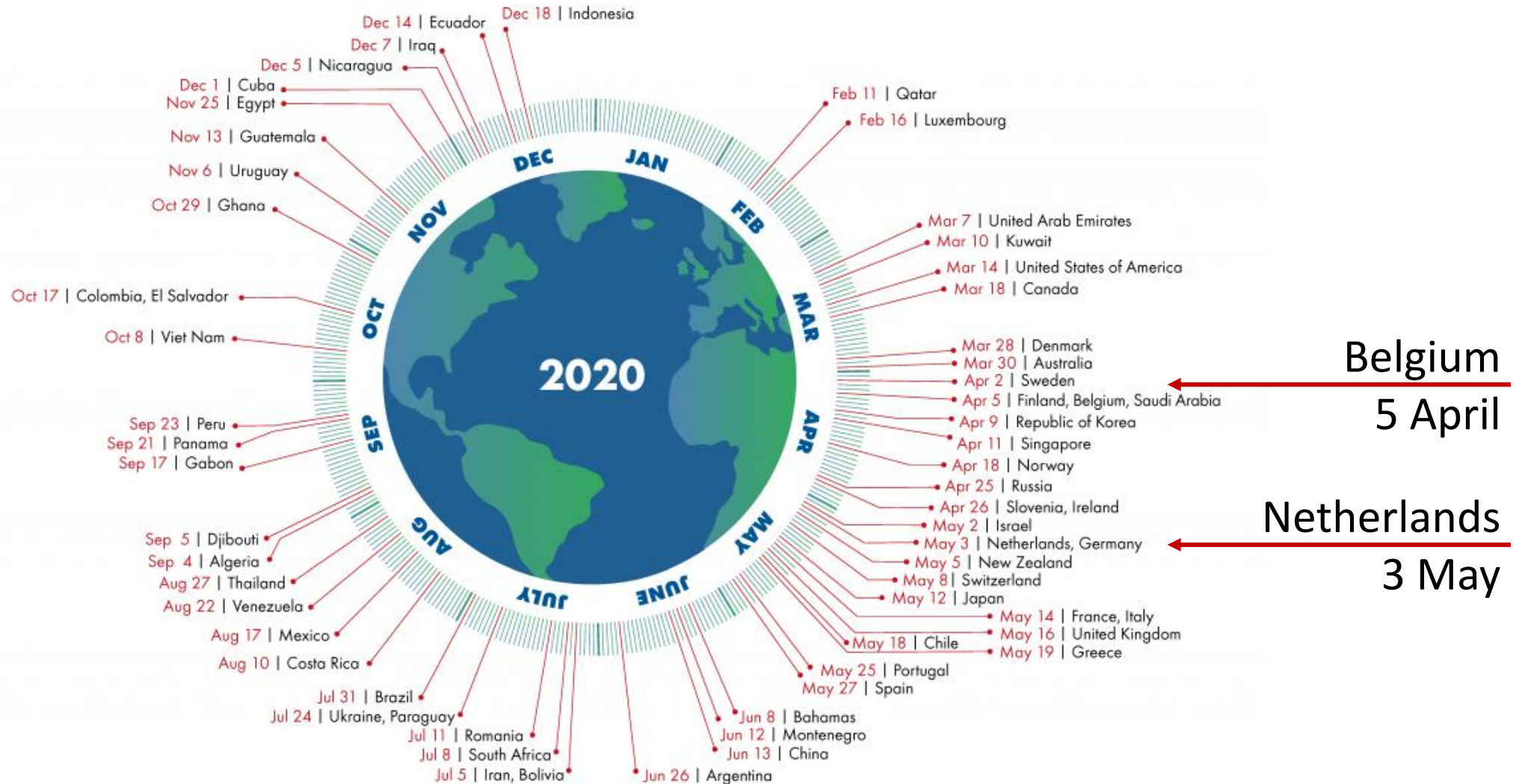
The Novel Coronavirus Pandemic Has Caused Humanity's Ecological Footprint To Contract. However, Sustainability That Allows All To Thrive On Earth Can Only Be Achieved By Design, Not Disaster.

<https://www.overshootday.org/>



Country Overshoot Days 2020

When would Earth Overshoot Day land if the world's population lived like...



Source: Global Footprint Network National Footprint and Biocapacity Accounts 2019





Agenda

- **CE is a system**
- **Examples**
- **Lessons learned**

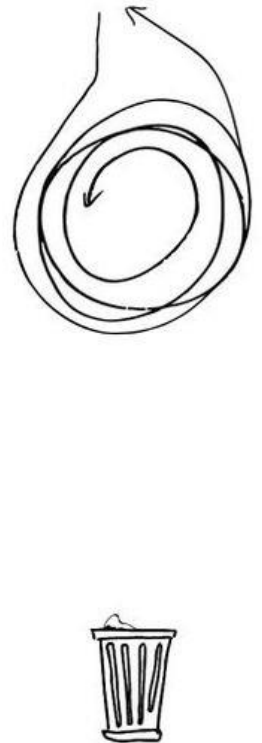
LINEAR ECONOMY



RECYCLING ECONOMY



CIRCULAR ECONOMY



Estimated benefits of Sustainable Energy (TNO)

Savings on raw materials



**+7.3 billion
euro/yr**

More work



**+54,000
jobs**

Less emissions of carbon dioxide



**-17,000
kiloton/yr**

Less usage of raw materials



**-100,000
kiloton/yr**

Less land and water use



**-2,180 km² en
-0.7 billion m³**

Systemic approach



Sustainable use of natural resources



Focus in design and production on closing loops



More and better recycling

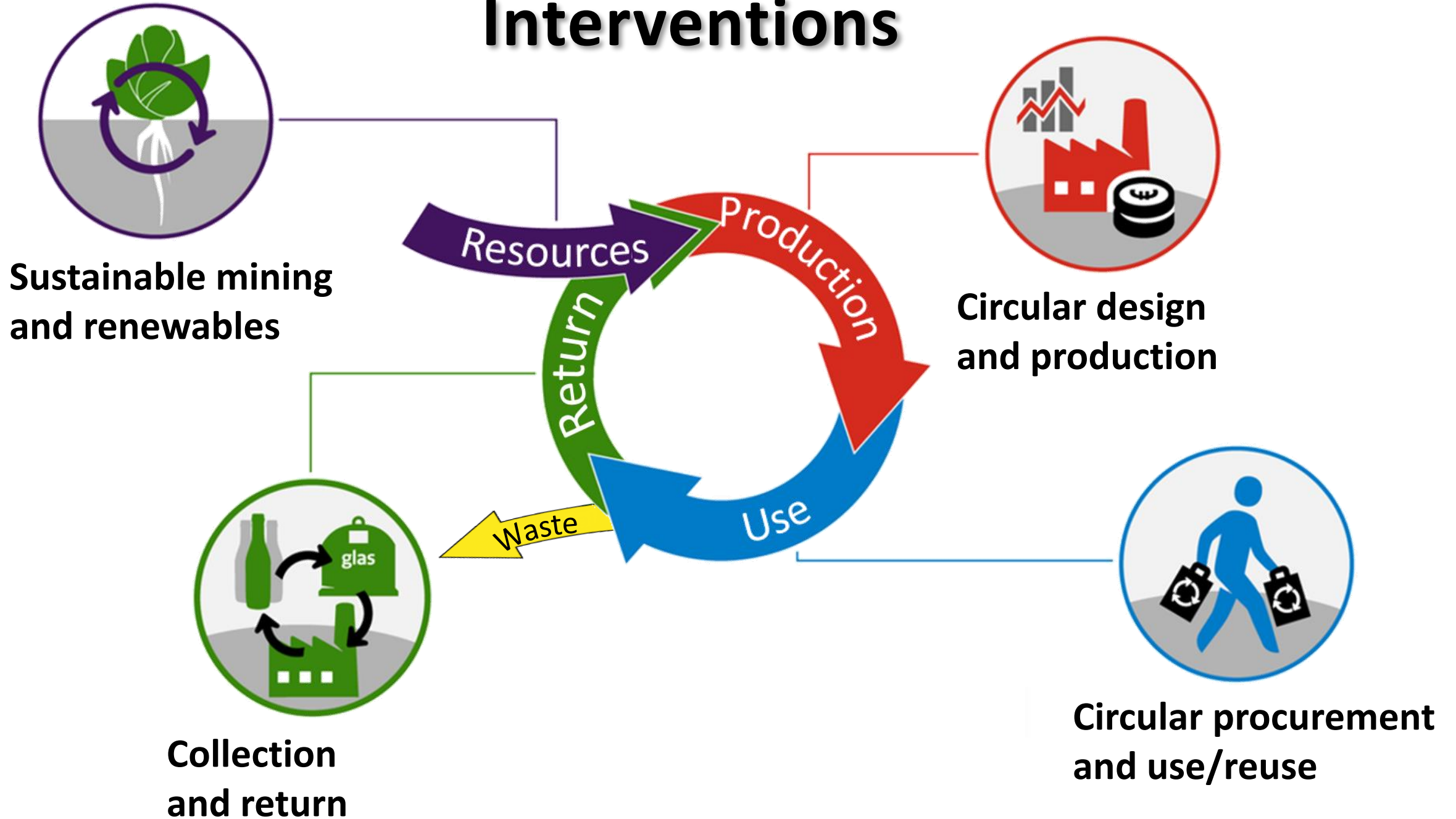


Conscious use of products

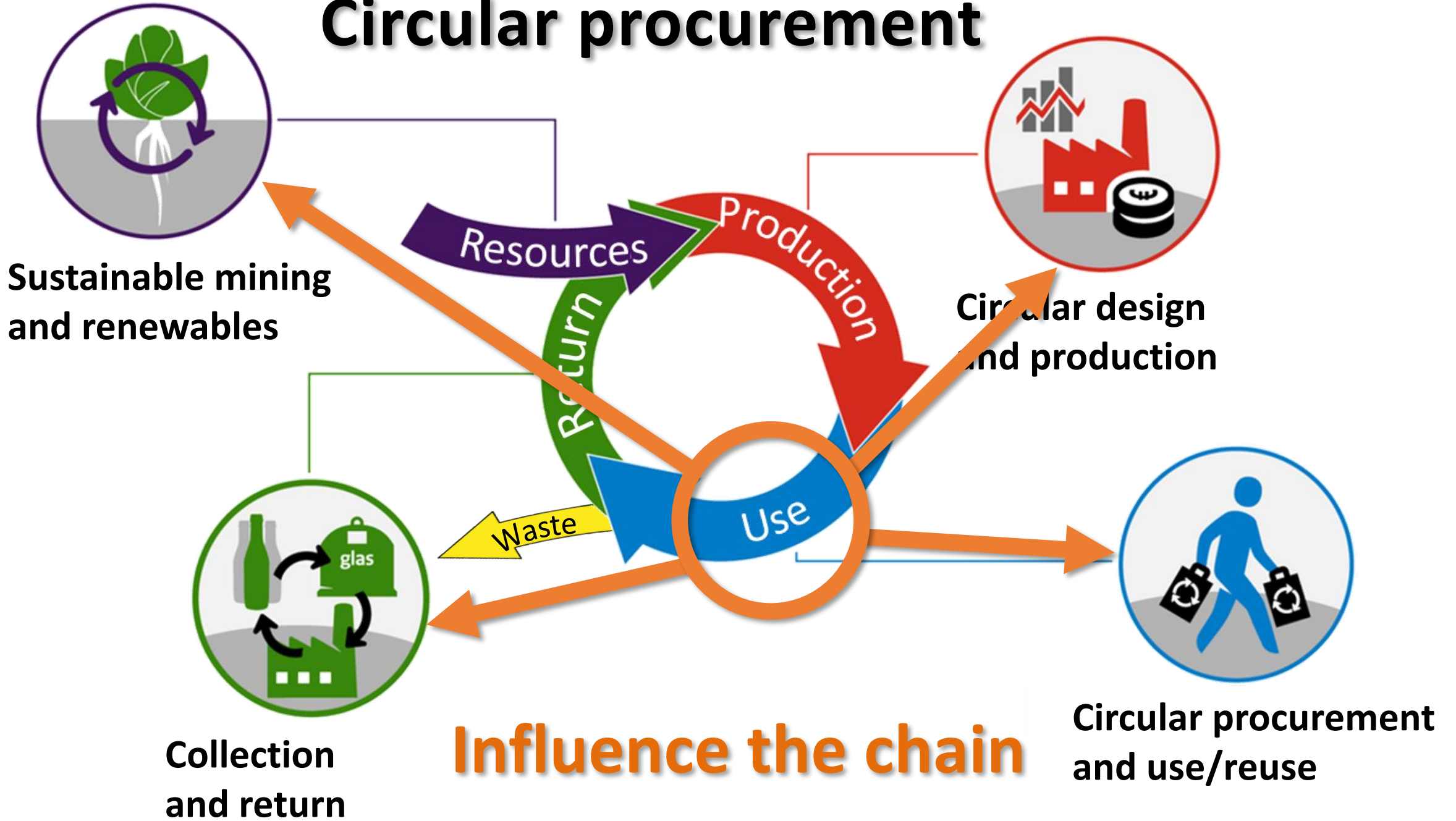


**Waste =
indicator
of circularity**

Interventions



Circular procurement



Circular Procurement is not ...

... buying recyclable products

Circular Procurement is...

... an approach to delivering sustainability goals that recognises the role that organisations can play in supporting the transition towards a circular economy.

... the process by which public authorities purchase works, goods or services that seek to contribute to closing energy and material loops within supply chains, whilst minimising, and in the best case avoiding, negative environmental impacts and waste creation across their whole life-cycle.

Circular Procurement is not ...

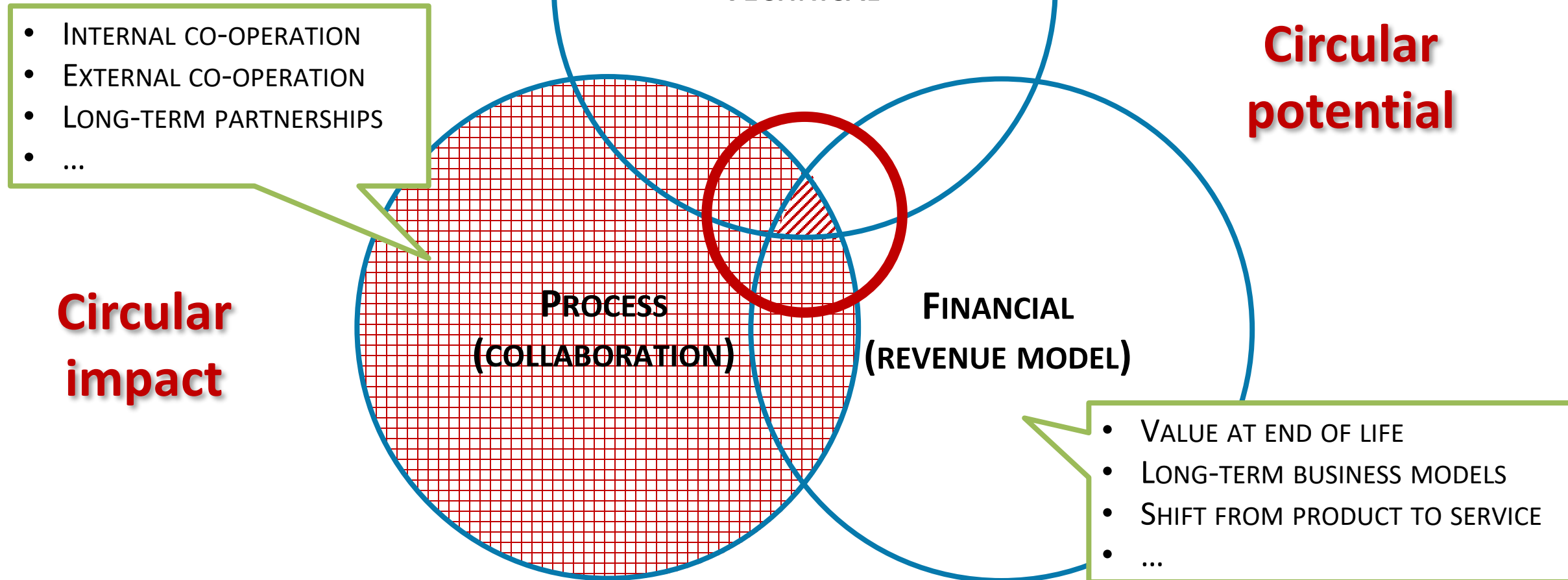
... buying recyclable products


Circular Procurement is...

... an approach to delivering sustainability goals that recognises the role that organisations can play in **supporting the transition towards a circular economy.**

... the process by which public authorities purchase works, goods or services that seek to contribute to **closing energy and material loops within supply chains**, whilst minimising, and in the best case avoiding, negative environmental impacts and waste creation across their whole life-cycle.

Potential vs impact



The background of the image is the flag of the European Union, featuring a blue field with twelve five-pointed gold stars arranged in a circle. The text is overlaid on this background.

Relevance
€2 trillion
procurements?

2.000.000.000.000



Examples



C2C office chairs



Example

Municipal office city of Venlo



Example

Building and renovation
according to
Cradle-to-Cradle principles

Office carpet tiles made from recycled fishing nets

Example



Biobased lignine replaces bitumen

Example



Biobased tree anchors

Example



Biodegradable:
No removal of
anchors needed



Rijkswaterstaat
*Ministry of Infrastructure
and Water Management*

ICON



Van Hattum en Blankevoort



CONSOLIS

SPANBETON



Rijkswaterstaat
Ministry of Infrastructure
and Water Management



Circular Bridge

Prototype: lessons and insights





- <https://www.rijkswaterstaat.nl/english/environment/circular-economy/construction-of-circular-bridge>
- www.openlearningenvironment.nl



Lessons learned



Benefits of circular procurement

There's something in it for everybody



- Reducing your **carbon** footprint
- Reducing your materials footprint
- Reducing waste, landuse, wateruse
- Substantial cost savings
- Job creations
- Stimulate innovation
- Become less dependant on foreign imports of 'critical' raw materials
- Practice what you preach
- ...

Benefits of circular procurement

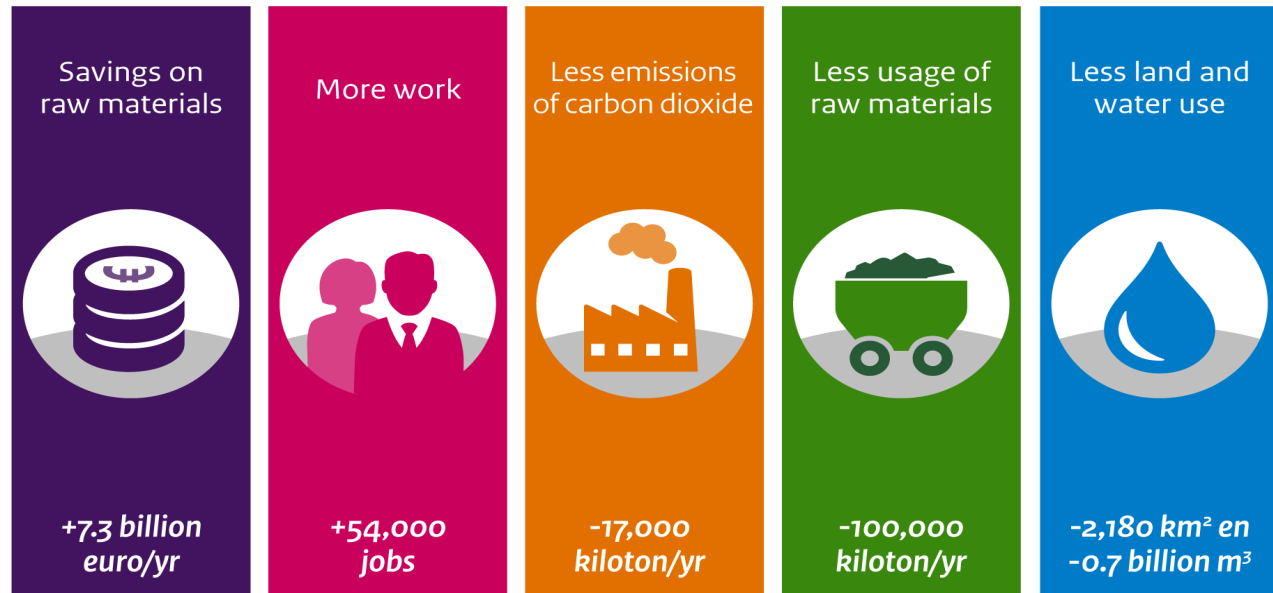
There's something in it for everybody



Circular Procurement

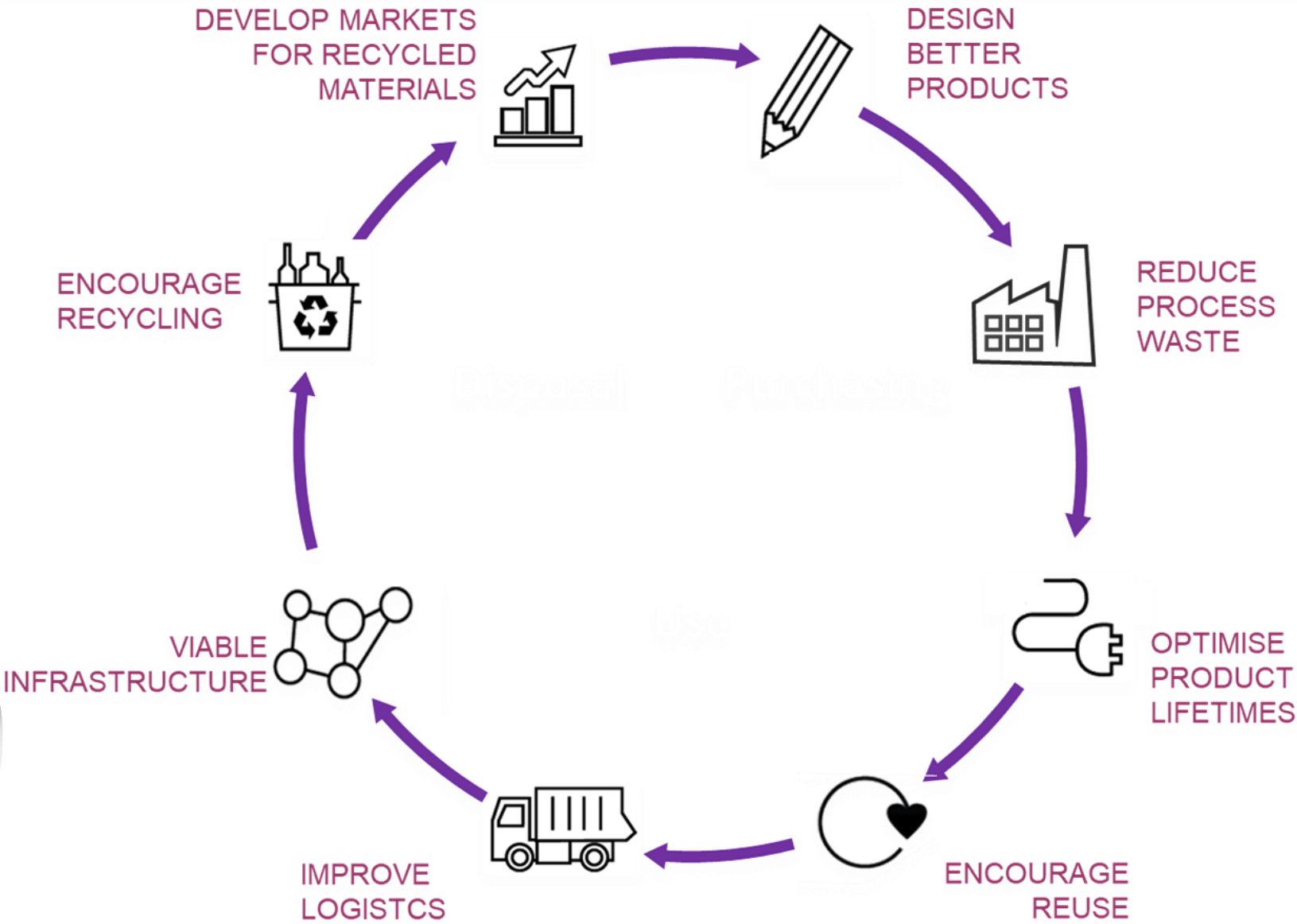
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Circular Economy



Appreciate the chain

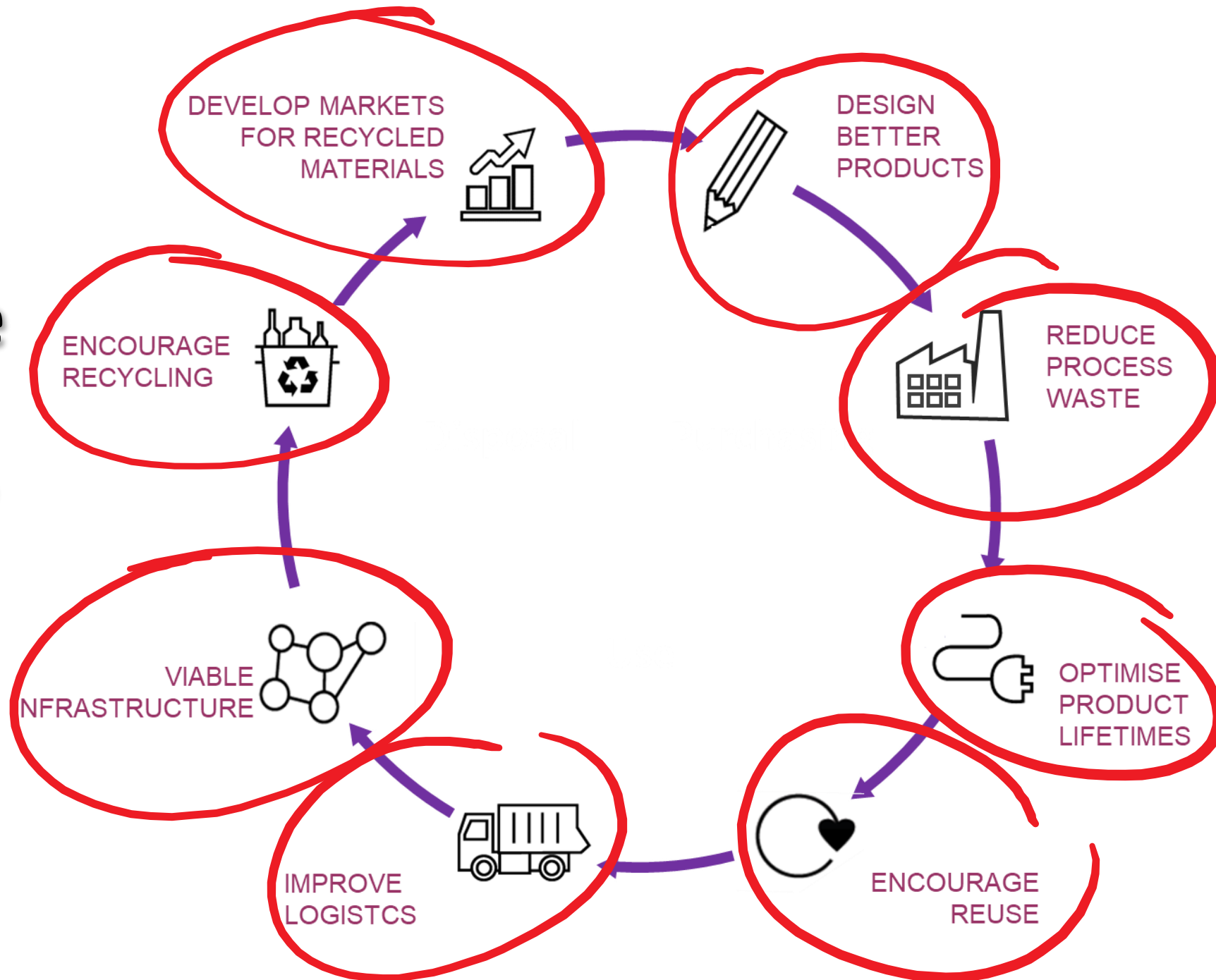
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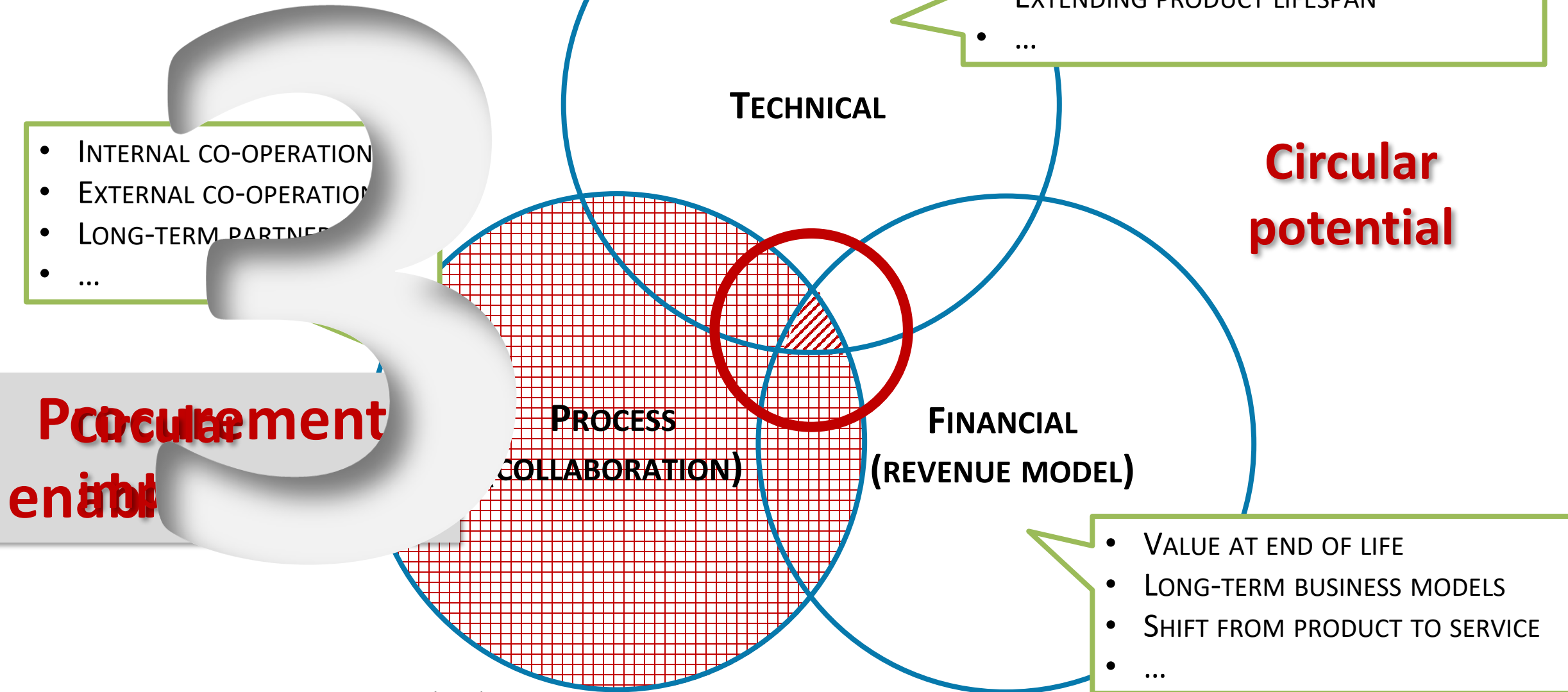
**Change it one
step at the time**

**...but where to
start?**

~~**100%**~~



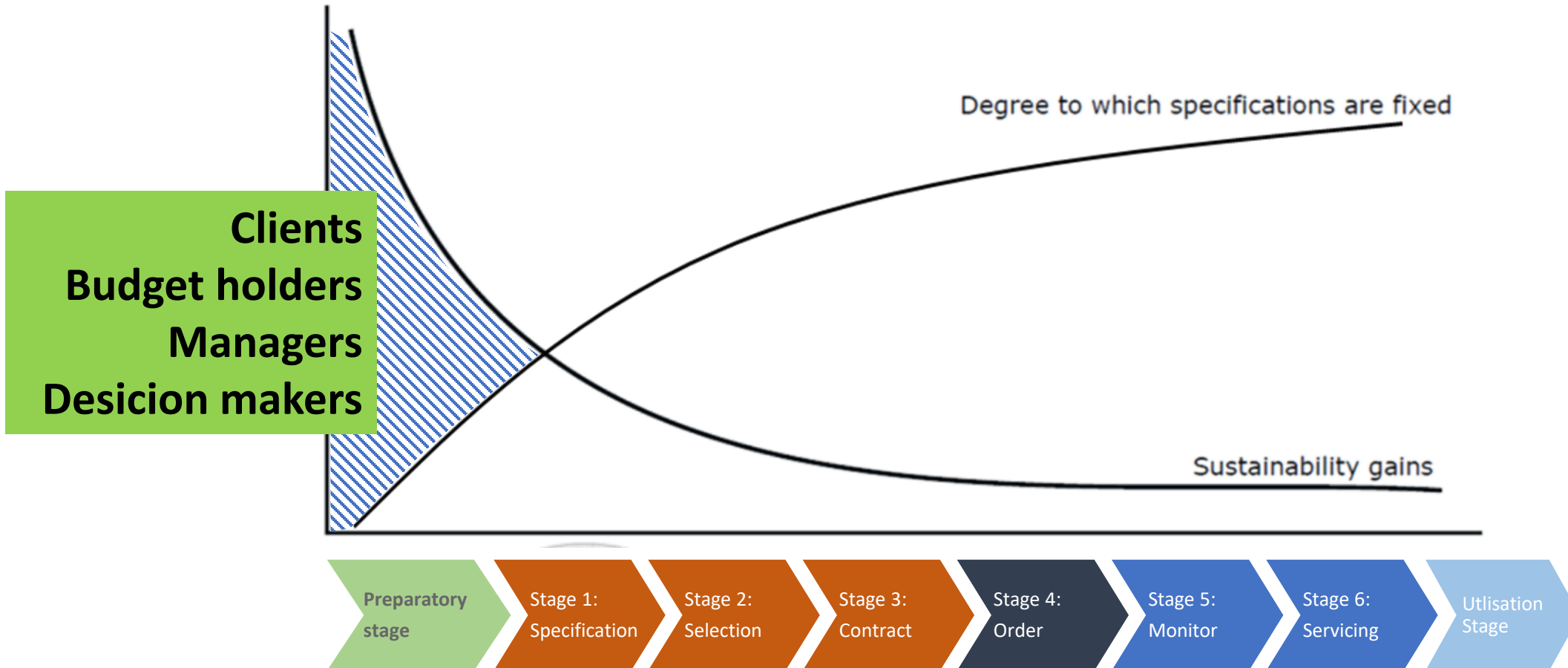
Potential vs reality



**Circular procurement
is NOT about
purchasing
alone...**



The biggest impact is before procurement



5

Circular procurement is more than just a set of criteria...



1876 invention of the telephone
products to last a lifetime



2007 first iPhone
2017 iPhone 8 -> 'X'



A product is not circular
until YOU arrange it to be circular!

Which one is the most circular?

100%

100%

Tools for support

- Networking support
- Publications
- Workshops & trainings
- Factsheets
- CP Congress
- Book CP in 8 steps
- Roadmap CP
- Criteria tool



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Procurement enables CE

