Country Overshoot Days 2019
When would Earth Overshoot Day land if the world’s population lived like...

29 July

Estonia
26 March

Netherlands
4 May
Ensure sustainable consumption and production patterns

- energy
- carbon emissions
- waste and littering
- pollution
- resources
Circular economy only makes sense if it's sustainable.
Estimated benefits Circular Economy (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
Systemic interventions

- Sustainable mining and renewables
- Circular design and production
- Collection and recycling
- Recycling and production
- Use
- Energy as temporary solution
- Circular procurement and use/reuse
Circular Procurement
Influencing the chain with procurement

Sustainable use of natural resources

Focus in design and production on closing loops

More and better recycling

Conscious use of products
Procurement is how products get into organisations. Every circular purchase leads to circular business activity:

- Working circular business case

Why procurement?

Procurement creates a market for circular products. Circular procurement is a lever for circular economy.
Relevance of public procurement?

€2 trillion
Potential vs reality

**Technical**
- Reducing required material amount
- Design for disassembly
- Extending product lifespan
- ...

**Financial**
- Value at end of life
- Long-term business models
- Shift from product to service
- ...

**Process (Collaboration)**
- Internal co-operation
- External co-operation
- Long-term partnerships
- ...

**Source:** COPPER8 (2011)
Dutch approach

Products ➔ Supplier ➔ User ➔ Waste manager ➔ Waste ➔ Resources

- Circular procurement
- Waste contracts
- Waste manager
- Resources
Pilot fact sheets

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

Share & Learn

Stimulate working examples

Analyse and share

Support

Learning networks

Experts

Create

(EU) projects
Learning Network: Green Deal

Accelerate learning

A learning network with simple commitments...
Learning Networks in Europe

- Circular economy doesn't stop at the borders
- Green Deals are local hubs for experience and tools
- Green Deals accelerate real circular impact
- Workshops and trainings
- International network for learning networks and projects

10 Green Deals => 1,000 working business cases

Accelerate circular economy
Lessons learned
Circular Procurement in 8 steps

1. From definition to ambition
2. Internal organisation
3. Defining your need
4. Business models
5. Market collaboration
6. Tender procedure
7. Measuring and awarding
8. Contract management

https://www.pianoo.nl/nl/sustainable-public-procurement/spp-themes/circular-procurement/circular-procurement-8-steps
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
- ...

1.
Benefits of circular procurement

There’s something in it for everybody

Circular Procurement = Circular Economy

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Figures</th>
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<tbody>
<tr>
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Appreciate the chain
Change it one step at the time
....but where to start?

100%
Business models

1. Product Service Systems
2. Product life extension
3. Resource recovery
4. Sharing platforms
5. Circular supply chain

Procurement concepts

3 main concepts:
- buy - resell
- buy - sell
- product service systems
Potential vs reality

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**Source:** Copper8 (2011)
Butterfly Simplified Reality = Collaboration
Circular procurement is NOT about purchasing alone...
The biggest impact is before procurement.

Clients
Budget holders
Managers
Decision makers

Preparatory stage
Stage 1: Specification
Stage 2: Selection
Stage 3: Contract
Stage 4: Order
Stage 5: Monitor
Stage 6: Servicing
Utilisation Stage

Degree to which specifications are fixed
Sustainability gains

Clients
Budget holders
Managers
Decision makers
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?