

Embedding Circularity in Public Procurement Criteria

19 October 2021

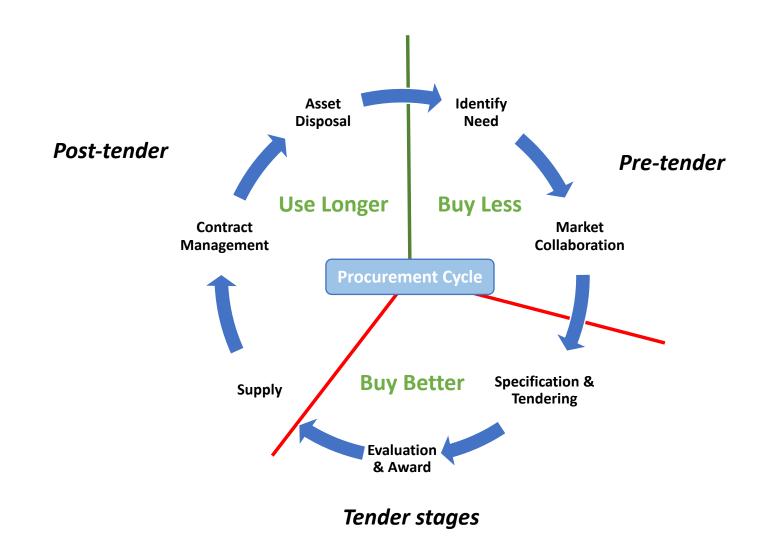
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Focal points for action

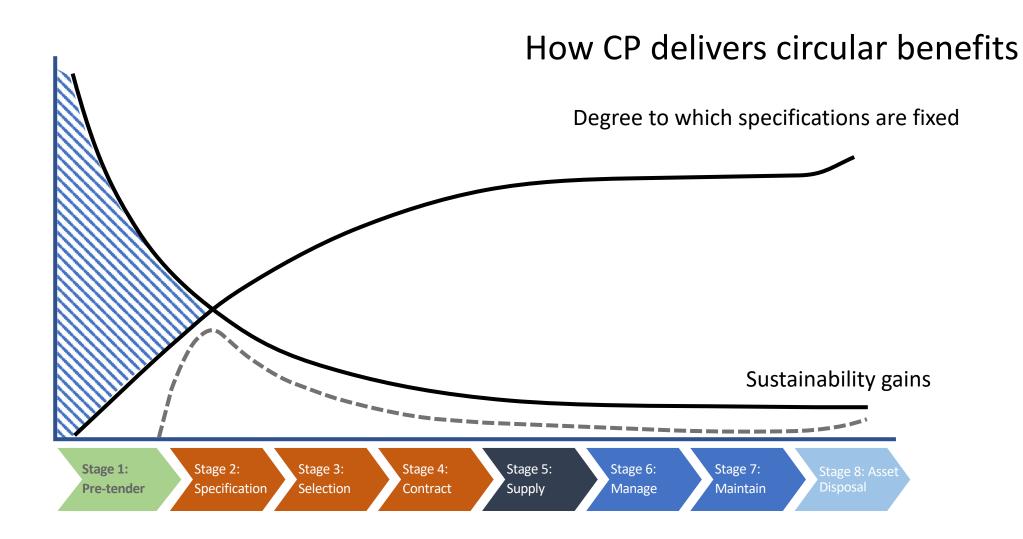
- Planning
 - When to act and in what categories
- Prioritisation & proportionality
 - what requirements and where in tenders
- Projecting
 - your requirements (and aims) to the market
 - Asking the right question



P1=Planning across the procurement cycle



P2= Prioritising when to act



P3= Projecting to the market

A life cycle approach to criteria

Sourcing





Do we really need it? Where does it come from?

Who made it?

How is it designed?

What is it made of?

Use phase





Lifetime optimisation - how will it be used? Can we reuse internally or

externally?

Can we repair or refurbish?

End-of-life



What will happen to it afterwards? Is it designed for deconstruction / disassembly?

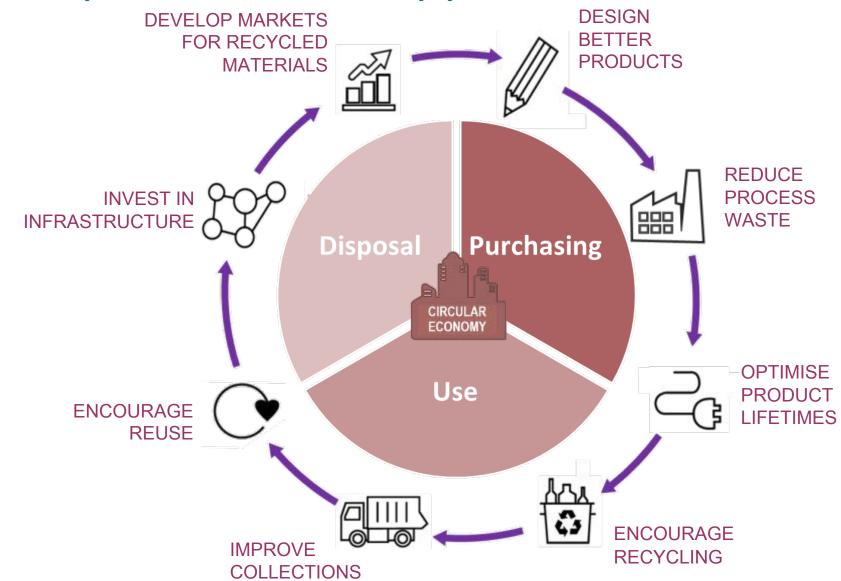


EXTERNAL

Functional and/or Technical?
CIRCULARITY STARTS BY ASKING THE RIGHT QUESTION



Circular procurement opportunities







Considering Criteria

A circular approach to needs

The hierarchy for meeting the procurement requirement



Change it one step at a time

Procurement approach: business models

Do you need to own?

What offers a better whole life cost outcome...

- Hire
- Rent
- Lease
- Product as a Service DaaS, Lighting etc
- Managed service
- Ownership

On their own they don't necessarily deliver the outcomes you are seeking but suppliers have incentives to extend useful life of product or asset - you should seek evidence of how they apply circular approaches.

Price vs Quality —is it a competition?

- Life-cycle costing and the best pricequality ratio (BPQR)
- Initial cost or whole life cost? TOTAL COST OF OWNERSHIP because you pay even if you don't account for it
- Life cycle approach to cost will drive a life cycle approach to products and their impacts





Sourcing



Specify design principles

The tendering stage allows requirements to be set for a more circular product:

- Design for Reuse and Recovery
- Design for Materials Optimisation
- Design for servicing and repair
- Design for Reuse
- Design for Recycling
- Design for flexibility and deconstruction
- Design for Resource Efficient Procurement



Municipal Office, Venlo, Netherlands

LCA of fibres





(80% recycled Dutch military uniforms)

compared with a non recycled yarn:

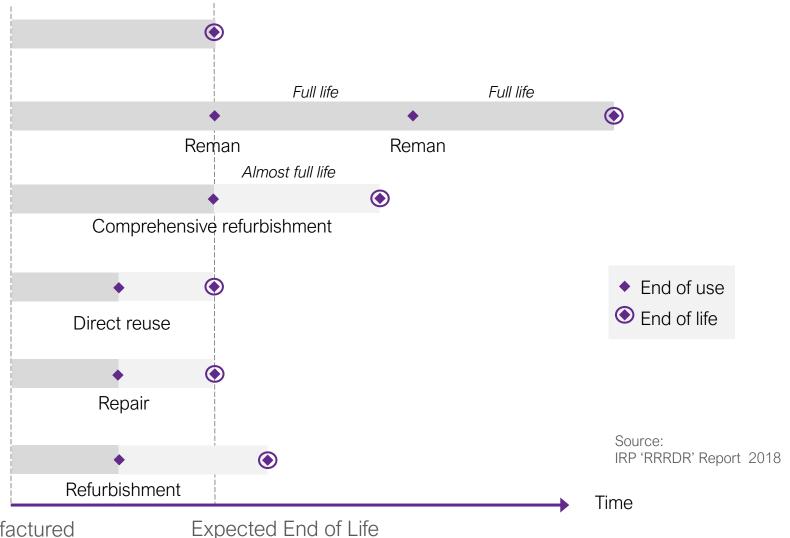
- reduced water consumption: 87%
- decreased energy use: 42%
- reduction in CO₂ emissions: 33%



Utilisation

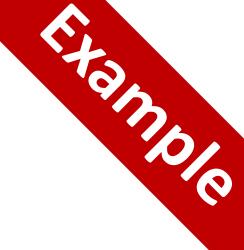
Lifetime optimisation and lifetime extension

OEM New Full Service Life VRP's (Within factory operations) (Manufacturing) Remanufacturing Comprehensive Refurbishment **Arranging Direct** Partial Service Life VRP's (Within non-factory operations) Reuse Repair Refurbishment



Manufactured

Light as a service Schiphol airport







Disposal

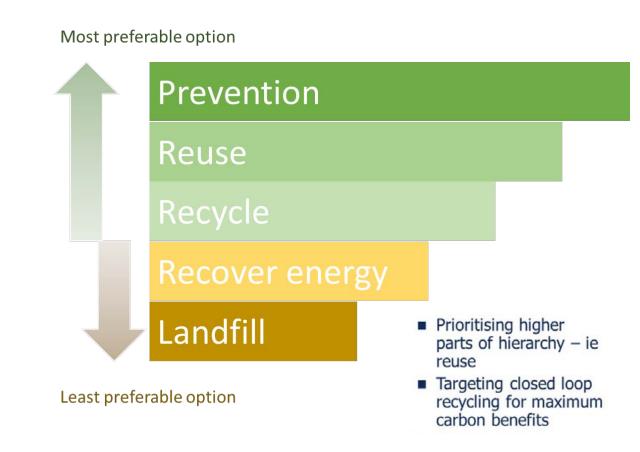


Throwaway Living

RLE ITEMS CUT DOWN HOUSEHOLD CHORES

Disposal

- Disposal options should be considered in the initial procurement
 - But rarely are often another person, role and another budget
- Contracting for disposal can be included in the primary contract
 - But rarely is this is not necessarily a barrier as long as there's a robust sustainable procurement policy in place.



Summary

- Plan Use procurement as a strategic instrument to maximise benefits
- Prioritise Circular procurement involves many stakeholders so collaborate
- Project procurement is not just about sourcing but also use and disposal so ask the right question



Thank you



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