

Circular procurement as a way to adress pollution

Experiences from Interreg NSR ProCirc

May 18th 2021



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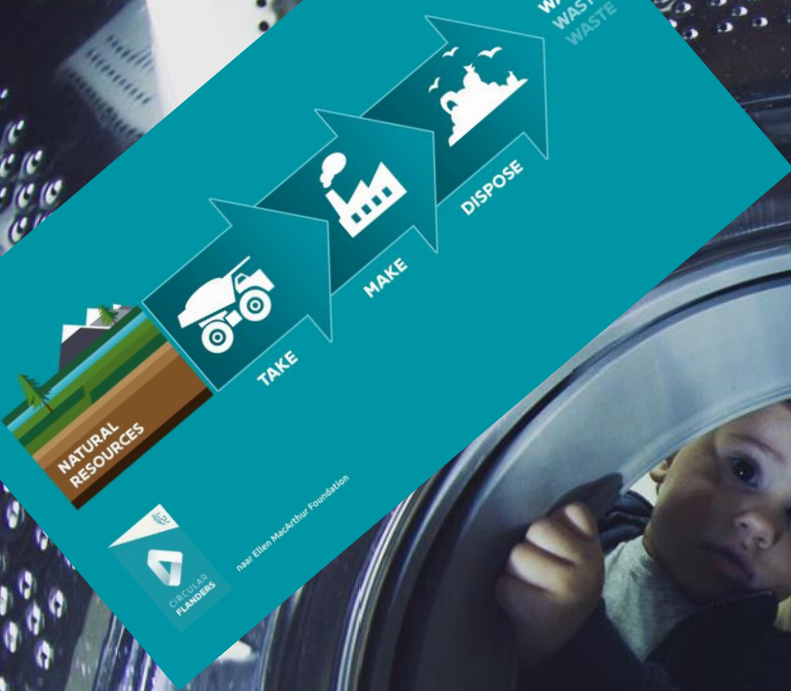


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**Circular
economy**





Circular Procurement



Importance of planning phase

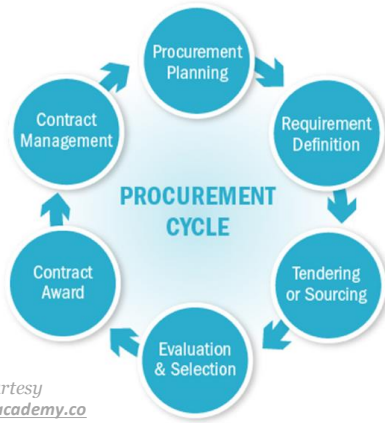
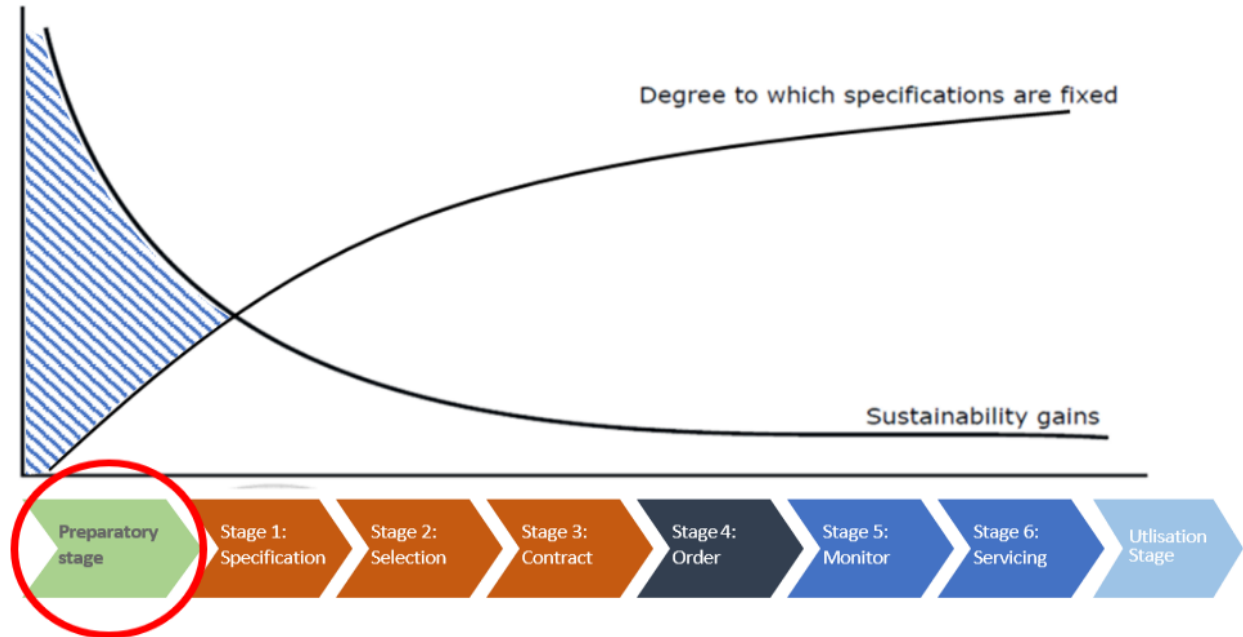


Image courtesy
blueoceanacademy.com





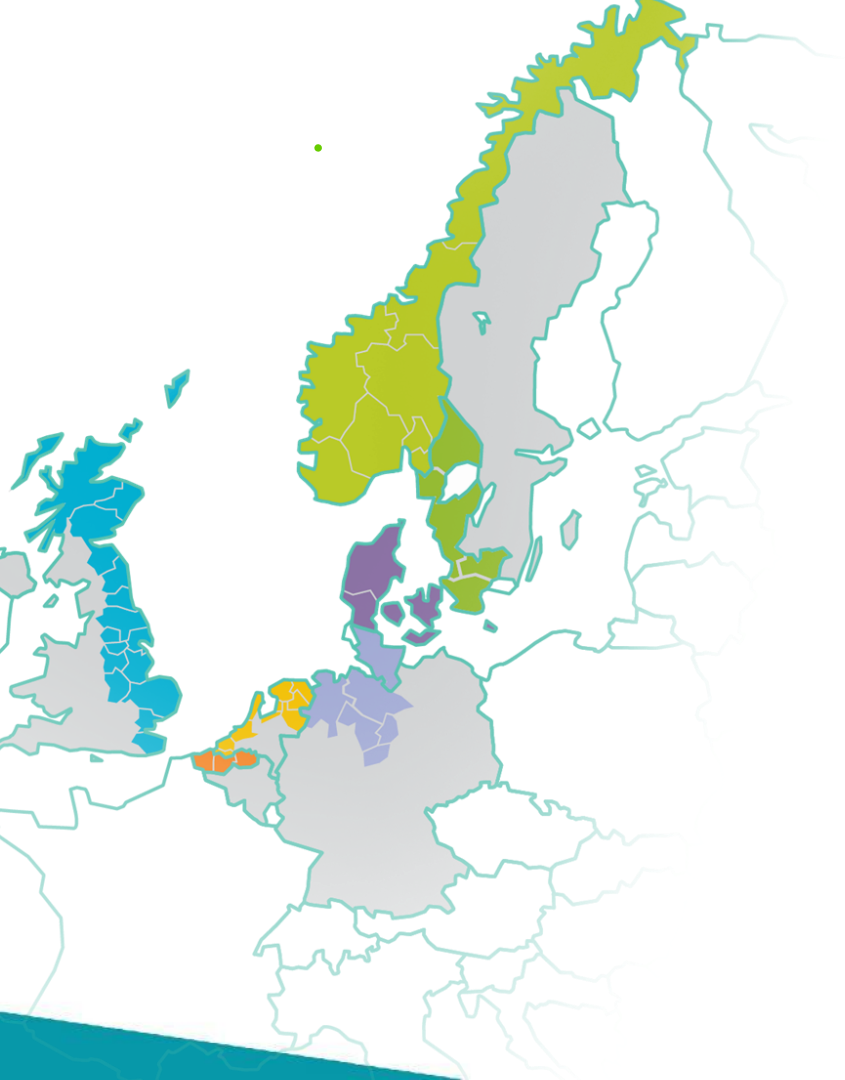
Tools

A  <p>Reduce total amount of materials</p>	B  <p>Reduce amount of virgin inputs</p>	C  <p>Extend the useful life</p>	D  <p>Maximise the reusability of a product or component</p>	E  <p>Maximise the reusability or recyclability of materials</p>
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A 1 Internal sharing	B 1 Understanding the share of recycled, biobased and virgin materials present	C 1 Extending guarantees	D 1 Design for Disassembly	E 1 Design for recycling
A 2 Renting or peer to peer sharing	B 2 Increasing the amount of recycled content	C 2 Contractual arrangements for maintenance and repair	D 2 Modular design	E 2 Understanding materials
A 3 Reuse, refurbishing or upgrading	B 3 Increasing the amount of biobased content	C 3 Upgradable products	D 3 Standardised design	E 3 Contractual arrangements for take back and recycling
A 4 Minimal use of materials in design		C 4 Design for longevity	D 4 Understanding the internal composition and connections	E 4 Reducing or banning toxicity
A 5 Less waste		C 5 Repairability and maintainability	D 5 Contractual arrangements for take back and reuse	E 5 Biologically degradable / compostable

	C 6 Modular/change oriented design	D 6 Stimulate circular business models	E 6 Stimulate circular business models
	C 7 Contractual incentives for extension of useful life		
	C 8 Supplier guidance for use optimization		

GOALS AND STRATEGIES FOR CIRCULAR PURCHASERS



ProCirc > Procurement toolbox

ProCirc

- About
- Objective and approach
- News
- Events
- Featured projects
- Pilot projects
- Procurement toolbox**
- Output library
- Partners
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Procurement toolbox

The ProCirc project aims to create a circular procurement toolbox to provide procurers with tools, methods and knowledge to integrate circularity in all process phases. This makes it easier for them to find out which tools exist and which are most suitable for their procurement projects.

Are you a procurer and want to get a first impression and assess if these tools might fit your needs? Take a look at these six elevator pitches given by toolowners!

Are you a tool owner and would like to share your own elevator pitch on this website? Please contact melody@vlaanderen-circulair.be.

Roadmap Circular Procurement & Commissioning Towards 100%

00:09 / 04:38

interreg North Sea Region European Regional Development Fund

interreg North Sea Region European Regional Development Fund

Criteria tools



Government of the Netherlands

Home

About MVI criteria

Give feedback

Sustainable Public Procurement with impact starts here

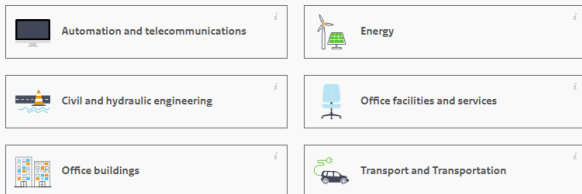
Sustainable Public Procurement (SPP) means utilising your procurement to achieve greater sustainability and avoid a negative environmental and social impact. With the aid of this tool, you will quickly collect the latest SPP criteria for your procurement document. The tool works best when SPP ambitions have been defined in advance. See [About MVI criteria](#) for more information.

Search using a keyword or CPV code

Search

Search

Or choose a product cluster to start



European
Commission

Translate this page

Environment

Home > Green Public Procurement >

Green Public Procurement

News and Events

About GPP

GPP Criteria

Background and approach

[EU GPP Criteria](#)

Process for setting criteria

Criteria development workplan

GPP Good Practice

Legal Framework

Policy Framework

GPP Advisory Group

National Action Plans

GPP Projects and Toolkit

FAQs

Publications

Studies

Useful links

EU GPP criteria

The EU GPP criteria are developed to facilitate the inclusion of green requirements in public tender documents. While the adopted EU GPP criteria aim to reach a good balance between environmental performance, cost considerations, market availability and ease of verification, procuring authorities may choose, according to their needs and ambition level, to include all or only certain requirements in their tender documents.

Cleaning products and services

- [Technical background report](#)
- [EU GPP criteria](#) (published in 2018)



Copying and graphic paper

- [Technical background report](#)
- [EU GPP criteria](#) (published in 2008)



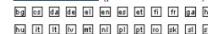
Computers, monitors, tablets and smartphones

- [EU GPP criteria](#) (published in 2021)



Data centres, server rooms and cloud services

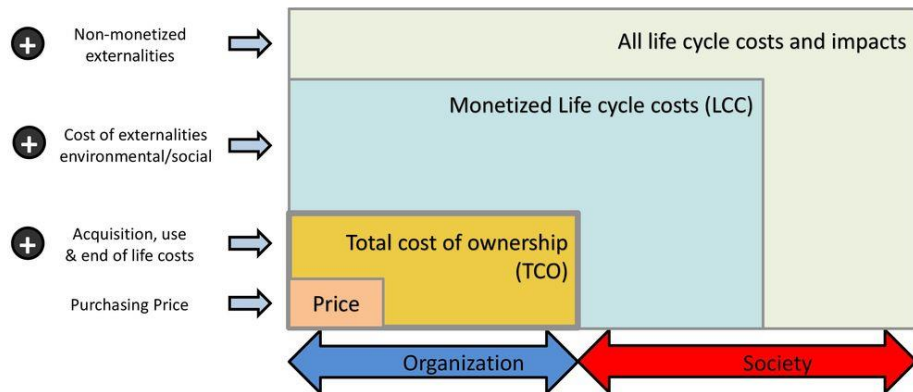
- [Technical background report](#)
- [EU GPP criteria](#) (published in 2020)



Life Cycle Costing



Promoting Life Cycle Costing



Source: UN Environment/ISO 20400

EU LCC tools



LCC tools developed by the EC

The European Commission has developed a series of sector specific LCC calculation tools which aim to facilitate the use of LCC amongst public procurers.

Vending Machines

- [User Guide](#)
- [LCC Tool](#)



Imaging Equipment

- [User Guide](#)
- [LCC Tool](#)



Computers and Monitors

- [User Guide](#)
- [LCC Tool](#)



Indoor Lighting

- [User Guide](#)
- [LCC Tool](#)



Outdoor Lighting




- [User Guide](#)
- [LCC Tool](#)





CP indicators

30 pilots

	Metric	Target result
	Carbon emissions (CO ₂)	20% reduction*
	Virgin materials	20% reduction*
	Waste	25% reduction*

*compared to the project baseline



Input

Use

Output

A



Reduce total amount
of materials

B



Reduce non-renewable
virgin input

C



Extend usage time

D



Maximise potential
reuse of **product** or
component

E



Maximise potential reuse
of **material** - recyclability

A
1

% amount of material used

B
1

% biobased content

C
1

functional lifetime

D
1

% product reuse

E
1

% material reuse

A
2

% reuse

B
2

% recycled content

A
3

% refurbishment/upgrade

A
4










% production waste

D
2

% component reuse

INDICATORS FOR
CIRCULAR PURCHASERS



 CO₂		 Virgin Materials		 Waste	
<u>Strategy</u> 	<u>Indicator</u> 	<u>Strategy</u> 	<u>Indicator</u> 	<u>Strategy</u> 	<u>Indicator</u> 
<u>Reduce carbon footprint</u>	KG <u>materials</u> % biobased content % <u>recycled</u> content	<u>Reduce quantity</u>	KG <u>materials</u>	<u>Reduce waste in process</u>	KG production waste % production waste
<u>More efficient energy use</u>	<u>KwH</u>	<u>Use recycled content</u>	% <u>recycled</u> content	<u>Optimize lifetime</u> (economic vs. functional lifetime)	Years beyond 'usual' lifetime
<u>Sustainable transportation and local sourcing</u>	CO ₂ -emissions per KM Kilometers	<u>Reuse of products</u>	% reuse of refurbished	<u>Reuse after lifetime</u>	% reuse % recycling

Pilot example



The Flemish government's Facility Services Agency opts for circular office furnishings

WEDNESDAY 18 DECEMBER 2019

Interreg NSR ProCirc Pilot - circular organisation of government offices

[READ MORE >](#)





Getting
started

Circular Flanders Quick scan



How do you choose an ideal circular procurement project?

Our quick assessment helps you estimate the chance of success of your specific circular procurement project.

We ask you six specific questions, after which we calculate your success rate. You'll immediately receive advice that will increase your chance of success.

[TAKE PART IN THE QUICK ASSESMENT >](#)

Thank you!

- northsearegion.eu/procirc/
- circularprocurement.be

Melody@vlaanderen-circulair.be

Volg ons!



vlaanderen-circulair.be

