



Circular Public procurement

introductory workshop (WP3.1)

Cuno van Geet, Take Padding Mervyn Jones

Aalborg, 27 September 2017

Circular procurement workshop Agenda

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08.30
      Exercise 1 – what is circular?
08.50
        Introduction to Circular Procurement
09.35
        partner discussion
09.50
        Exercise 2 - maturity matrix
10.20
        discussion
10.30
        coffee break
10.45
        Exercise 3 - Stakeholders & impact
11.05
        discussion
11.15
        Exercise 4 – maturity matrix #2
11.35 feedback
11.45
        Summary & discussion
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Partners Workshop (WP3.1)

Exercise 1 – What is circular?

Take Padding

15 minutes

Your views on the circular economy





or



C2C

Lifespan





or

Mushrooms cultured on local collected coffee grounds



Organic/EKO mushrooms



or



Low Energy Asphalt



Asphalt with high % recycled materials





or



2nd hand luminaires

Pay for use: 'light as a service'



The Circular Economy: Scope?













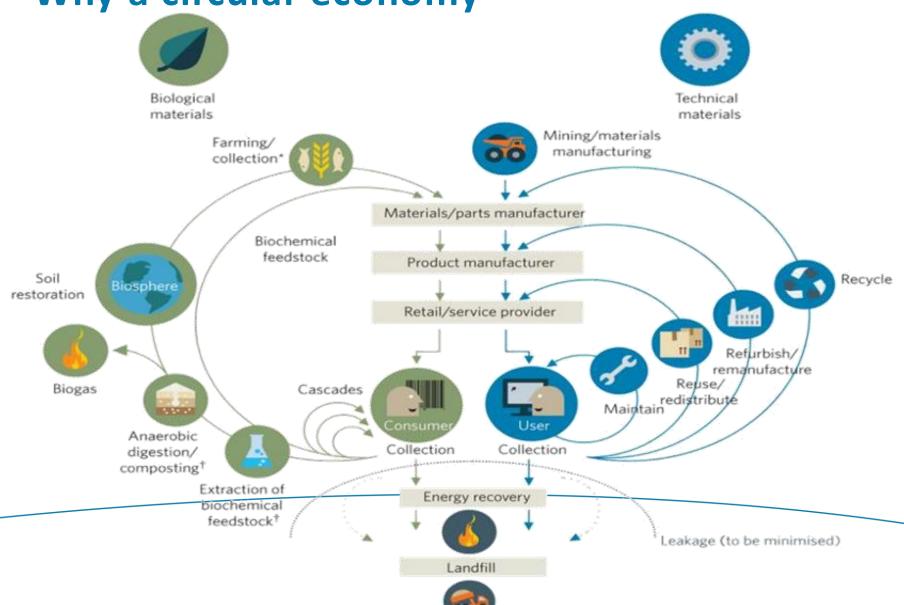
Partners Workshop (WP3.1)

Introduction

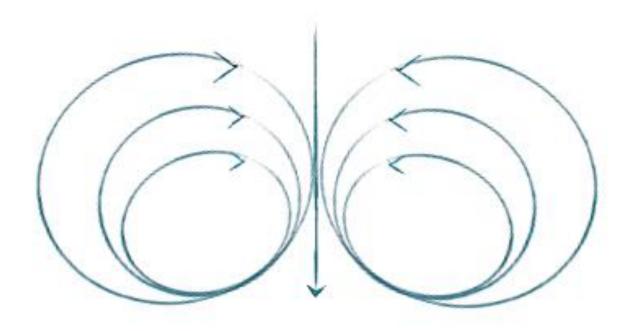
Cuno van Geet

15 minutes

Why a circular economy



Theory



Practice



EU benefits of CE

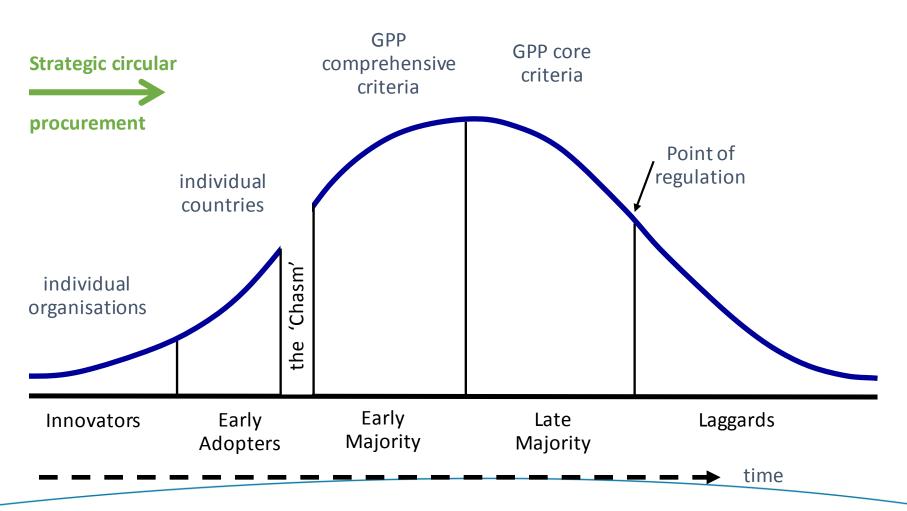
European Union

€ 324 billion (www.rebus.eu)

Denmark Finland ☆ GDP 0.8–1.4% 介GDP 0.33-0.66% 7,000-13,000 jobs 15,000 jobs **United Kingdom** Sweden ~€30 billion û 200,000 jobs 15,000 jobs France **企GDP 0.33-0.66%** The Netherlands 100,000 jobs €7,3 billion 54,000 jobs Spain **↑GDP 0.33-0.66%** 100,000 jobs

Sources: EU, Ellen McArthur Foundation, Club of Rome, TNO, WRAP

Innovation progression



Linking CE and GPP

Addressing the gaps......

21 Groups30 sub-groups152 criteria

Product group	Con- tractor	Products, Services, Works						End of
		Recycled content	Designed for recyc-ling	Designed for Longe-vity	Other criteria	Packa- ging	Use Phase	life phase
Copying paper (2)		1						
Food (2)		1			1	2		1
Furniture		2	1	1		3		
CHP								
Wall Panels (2)		4	1		4			3
Cleaning (7)					1	11		
Electricity								
Gardening (6)	1	4	1		4	2		3
Indoor lighting				2	1	1		1
Street lighting (2)				3	1	2		1
Textiles (2)		2		4	1		1	2
Transport (5)		5			5		2	3
Sanit. Tapware				4				
Toilets (2)					2		2	
Waste water	3	1			1			
Health care				1			1	
Imaging equipment					4		1	
Heaters	1		1		1		1	
Buildings	1	2			1			7
Roads	2	3		1				4
Computers			4	8			2	5

Output is the result of input



Defining 'circular procurement'

circular

/ˈsəːkjʊlə/ •)

adjective

having the form of a circle.
 "the building features a circular atrium"
 synonyms: round, disc-shaped, disc-like; I

procurement

/prəˈkjʊəmənt/ •)

noun

the action of obtaining or procuring something.
"financial assistance for the procurement of legal advice"

Circular procurement definition would be helpful (but not a 'showstopper') at the project level.

Pragmatically, it also depends on the view of the city and / or sector and /or organisation, i.e. a workable definition with rationale and reference to the project defintion

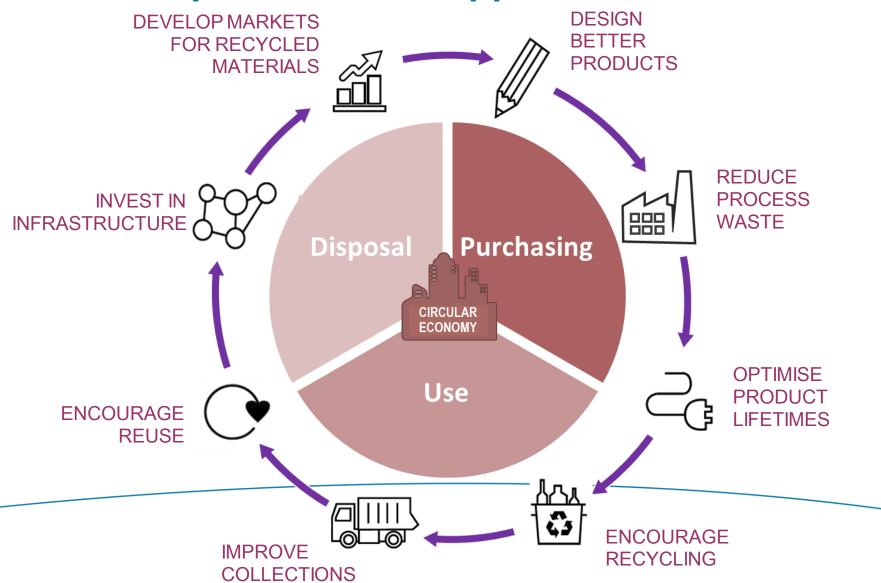
Circular clients

Circular procurement depends on the ambition of the organisation, translated into policy through the proactive effort of the clients and budget holders.

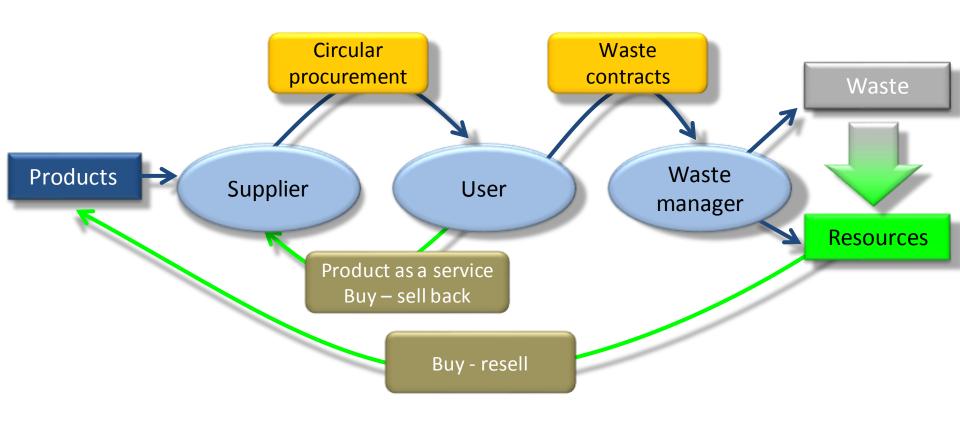
Circular procurement needs circular clients!



Circular procurement opportunities



Rethinking our approach



Food & catering

- Waste prevention
- Storage & preparation
- Plate waste
- Reuse
- Recycling composting
- Nutritional & healthy diets





- Ghent, Belgium catering contracts
- Torino, Italy healthy sourcing
- Copenhagen, Denmark organic
- UK Public sector catering, waste prevention, HAFS
- Rijkswaterstaat, Netherlands food waste recycling

Workwear & textiles



- Encourages innovation in design
- Reduces carbon impacts
- Reduces toxicity
- Increases durability
- Increases reuse and recycling at end of life

- Rawicz Hospital, Poland nurses Uniforms
- Herning, Denmark emergency services uniforms
- Rijkswaterstaat, Netherlands lock-keepers uniforms
- Nurses uniforms Wales, UK



Construction

- Design for deconstruction
- Recycled content
- Multiple REBMs
- Public private partnerships
- CO2 reduction
- End of Life closing material loops
- Refurb & maintenance
- Cost savings





Transport



- REBM Mobility as a service
- Lower carbon footprint
- Improved air quality
- Innovation public-private partnerships

- Bremen, Germany public / private car sharing scheme
- Barcelona, Spain electric vehicles
- Dutch Government car sharing & leasing models



ICT & electricals

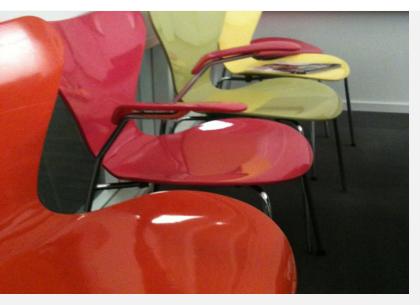
- Design for repair
- Recycled content
- Multiple REBMs e-recovery, take-back, pass/sell on
- Lifetime optimisation
- CO₂ reduction
- End of Life resource security





- Utrecht, Netherlands IT take-back; secure reuse
- Schiphol Airport, Netherlands lighting as a service
- BZK, Netherlands e-recovery, ITdonations
- UniGreenScheme, UK Lab equipment re-sale and re-use

Furniture



- Cambridge NHT, UK hospital beds
- ProRail, Netherlands furniture and carpeting
- Sweden furniture servitisation
- London, UK office mobile asset management
- Public Health Wales, UK desk reuse & repurposing

- REBM furniture as a service
- Resource efficient design
- Recycled content
- Lifetime optimisation
- Reuse opportunities
- SME opportunities







Invitation

<u>www.cpcongress.eu</u>









Partners Workshop (WP3.1)

Exercise 2 – Maturity matrix

Mervyn Jones

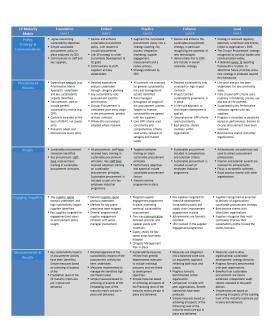
30 minutes

Partners workshop (WP3.1)

CP maturity matrix - Exercise 1

Circular procurment is more than just procurement criteria

- 5 themes:
 - Policy, Strategy & Communications
 - Procurement Process
 - People
 - Engaging Suppliers
 - Measurements & Results
- 5 levels:
 - Foundation
 - Embed
 - Practice
 - Enhance
 - Lead





Partners workshop (WP3.1) CP maturity matrix - Exercise 1

Enhancing level of the

CP Maturity Matrix	Foundation Level 1	Embed Level 2	Practice Level 3	Enhance Level 4	Lead Level 5
Policy, Strategy & Communications	Agree overarching sustainability objectives. Simple sustainable procurement policy in place endosed by CEO. Communicate to staff and key suppliers.	Review and enhance sustainable procurement policy, with respect to circular procurement. Link SP strategy to wider Sustainable evolopment & CE goals. Communicat to staff, suppliers an ey stakeholders.	Augment the sustainable procurement policy into a strategy covering risk, process integration, marketing, supplier engagement, measurement and a review process. Strategy endorsed by CEO.	Review and enhance the sustainable procurement strategy, in particular recognising the potential of new technologies Demonstrate link to EMS and include in overall corporate strategy.	Strategy is reviewed regularly, externally strutinised and directly linked to organisation's EMS. The Circular Procurement strategy recognised by political leaders and communicated widely. A detailed regivey, & reporting framework is in place to determine future priorities and a new strategy is produced beyond this framework.
Procurement Process	Expenditure analysis, Le a. Prioritisation Matrix Approach) undertaken and key sustainability impacts identified. Exe contracts start to include general austainability criteria sustainability criteria (e.g. GPP). Contracts awarded on the basis of MEAT, not lowest price. Procurers adopt and demonstrate Quick Wins.	Detailed exp diture analysis und taken through cate ory planning. Key sustaine lity risks assessed an used for prioritisation of Circular Proc ement is considered an early stage in the procur ment process of most confirm. Whole-life-cost amakes adopted where relevant	All contracts are assessed for general sustainability risks and management actions identified. Risks managed throughout all stages of the procurement process. Targets to improve sustainability are agreed with key suppliers. Orne GPP criteria used consistently and comprehensive criteria ed where relevant to catheria or and market supply.	Detailed sustainability risks assessed for high impact contracts. Project/contract sustainability governance is in place. A life-cycle approach to cost/impact assessment is applied. Comprehensive GPP criteria used consistently Best practice shared routinely within organisation	Ufe-cycle analysis has been undertaken for key commodity areas. Fully circular GPP criteria used routinely in tendering (source, use and end-of-life covered) Sustainability Rey Performance Indicators agreed with key suppliers. Progress is rewarded or penalised based on performance. Barriers to circular procurement have been removed. Best practice shared with other organisations.
People	 Sustainable procurement champion identified. Key procurement staff, haye received basic training in sustainable procurement principles. 	 All procurement staff baye, received basic training in sustainable procurement principles. Key staff have received advanced training on sustainable procurement principles. Sustainable procurement is included as part of a key employee induction programme. 	Targeted refresher training on latest sustainable procurement principles. Performance objectives and appraisal include sustainable procurement factors. Simple incentive programme in place.	Sustainable procurement included in competencies and selection oriteria. tainable procurement is including a part of employed which or programme.	Achievements are publicized and used to attract procurement professionals. Internal and external awards are received for achievements. Focus is on benefits achieved to Good practice shared with other organisations.
Engaging Suppliers	Key supplier, spend analysis undertaken and high sustraibality impact suppliers are suppliers and suppliers to the suppliers are great for engagement and views on procurement policy sought.	Detailed supplier spend analysis undertaken. Markets for key spend described spended. General programme of supplier reggement initiated, with serior manager involvement.	Targeted supplier engagement programme in place, promoting continual sustainability improvement. Two way communicat in between procurer of supplier exists with incentives. Supply wans for key super a reas have been mapped. Category Management Plan in place.	Youppilers targeted for nersive development. Sustainability audits and supply chain improvement supply chain improvement. Achievement are formally recorded. CEO involved in the supplier engagement programme.	Suppliers recognised as essential to delivery of organisations sustainable procurement strategy. Suppliers recognise they must continually improve their sustainability profile to keep the clients business.
Measurements & Results	key sustainability impacts of procurement activity has been identified. Simple measures based on activitieing all aspect of the Community and the Community matrix are put in place and delivered.	Detailed sport of the suttain key impacts of the suttain key impacts of the sufferent activity has been undertaken. Measures implemented to manage the identified high key in the sufferent high key in	Sustainability measures refined from general departmental measures to include individual procures and are linked to development objectives. Simple of the measures based on achieving all aspects of the Practicing level of the maturity matrix are put in place and delivered.	Measures are integrated into a balanced sore card (or equivalent) approach reflecting both input and output progress formally benchmarked within organisation. Comparison is made with peer organisations. Benefit statements have been produced. Slimple measures based on actively all spects of the spectra o	Measures used to drive organizational outrainable development strategy direction. Progress formally benchmarked with peer organisations. Benefits from sustainable procurement are clearly evidenced. Independent audit reports available in the public domain. Simple measures based on achieving all supects of the Leading level of the maturity matrix are put in place and delivered.

Using the matrix provided, estimate your organisation's (or cities) current position







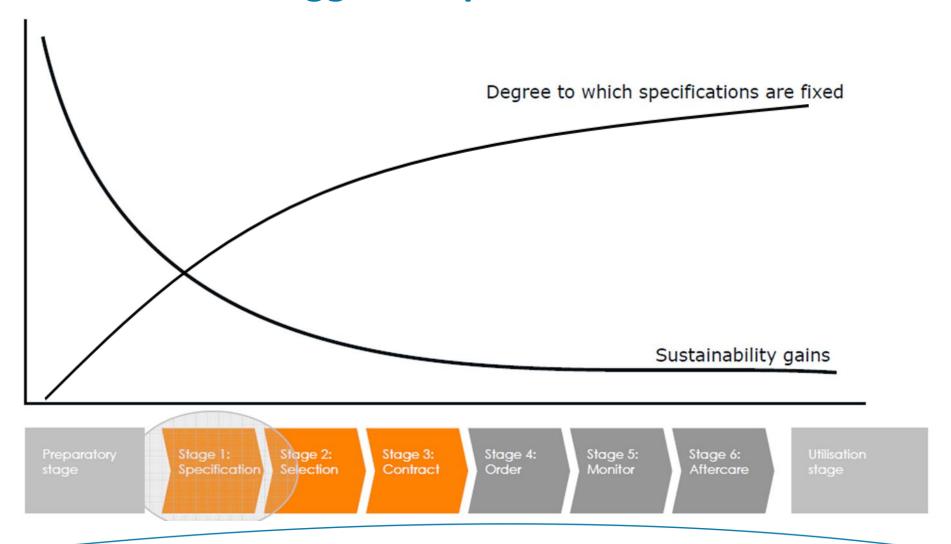
Partners Workshop (WP3.1)

Exercise 3 – Stakeholders & Impact

Take Padding

20 minutes

Where's the biggest impact?





Example: Bremen

CIRCULAR PROCUREMENT PRINCIPLES



Avoiding procure-consumedispose



Innovation



Footprinting

Replaced more than 2000 private cars, saved 2.32 million kg of CO₂ emissions, and reduced parking infrastructure costs by at least EUR 30 million



CLAUSES

- CO₂ limits
- Servicisation public private partnership
- · Performance based specifications

Car sharing public fleet management in Bremen (Germany)

Circular procurement vs procure-consume- dispose	Considering alternatives to the traditional extract, produce, consumer, dispose business models
Innovation	Restructuring procurement using servicisation to foster public private partnerships
Footprinting	Using CO ₂ limits from regional regulation as performance based specifications in tenders



Links

UNEP 10YFP - Using Product-Service Systems to Enhance Public Procurement, 2015

http://www.pianoo.nl/sites/default/files/documents/documents/ usingproductservicesystem-sustainablepublicprocurement.pdf



BENEFITS



Cost savings



✓ Reducing CO₂ emissions



Employee benefits



Exercise

Who are the top 3 stakeholders essential for implementing circular procurement in your organisation?









Partners Workshop (WP3.1)

Exercise 4 – Maturity matrix (Part 2)

Mervyn Jones

20 minutes

Partners workshop (WP3.1) CP maturity matrix - Exercise 2

Simple measures based on

achieving all aspects of the

level of the maturity matrix are pur

in place and delivered

CP Maturity	Foundation	Embed	Practice	Enhance	Lead
Matrix Policy,	Level 1 • Agree overarching	Level 2 Review and enhance	Level 3 • Augment the sustainable	Level 4 Review and enhance the	Level 5 Strategy is reviewed regularly,
Strategy & Communications	sustainability objectives. Simple sustainable procurement policy in place endorsed by CEO. Communicate to staff and key suppliers.	sustainable procurement policy, with respect to circular procurement. • Link SP strategy to wider Sustainable Invelopment & CE goals. • Communicat to staff, suppliers an key stakeholders	procurement policy into a strategy covering risk, process integration, marketing, supplier engagement, and measurement, and a review process. Strategy endorsed by CEO.	sustainable procurement strategy, in particular recognising the potential of new technologies. Demonstrate link to EMS and include in overall corporate strategy.	externally scrutinised and directly linked to organisation's EMS. The Circular Procurement strategy recognised by political leaders and communicated with "y. A detailed reyin", & reporting framework in place to determin
Procurement Process	Expenditure agalysis, [e.g. Prioritisation Matrix Approach) undertaken and key sustainability impacts identified. Key contracts start to include general sustainability criteria (e.g. GPP). Contracts awarded on the basis of MEAT, not lowest price. Procurers adopt and demonstrate Quick Wins.	Detailed exploiture analysis und saken through cate ory planning. Key sustains lity risks assessed and used for prioritisation. Ordular Prod ement is considered an early stage in the procul ment process of most contil as: Whole-life-court entry is adopted where rehalfs.	 All contracts are assessed for general sustainability risks and management actions identified. Risks managed throughout all stages of the procurement process. Targets to impost and sustainability are agreed with key suppliers. Core GPP criteria used consistently and consistently and consistently enterial used where relevant to category and market supply 	Detailed sustainability risks assessed for high impact contracts. Project/contract sustainability governance in in place. A lift pice approagn to cost/in act assignment is applied. Comprehen a GPP criteria used consisting. Best practic shaher routing in the pice in the pice is provided in the pice is provided in the pice is pice. Best practic shaher ground in organisation.	Fe-cycle analysis has been fundertaken for key commodity areas. Fully circular GPP criteria used routinely in tendering (source, use and end-of-life covered) Sustainability Key Performance indicators agreed with key suppliers. Progress is rewarded or penalised based on performance. Barriers to circular procurement have been removed. Best practice shared with other organisations.
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Engaging Suppliers	Key supplier, spend analysis undertaken and high sustainability impact suppliers identified. Key suppliers targeted for engagement and views on procurement policy sought.	Detailed supplier, spend analysis undertaken. Markets for key spend areas have been mapped or general programme of supplier engagemen initiated, with send manager involvement.	Ingreted supplier engagement programme in place, promoting continual sustainability improvement. Two way communication between procure, and supplier exists the incentives. Supply chains for key spend areas have been mapped. Category Mana Ement Plan in place	vey suppliers targeted or intensive development. Sustainability audits and supply chain improvement programmes in place. Achievements are for fully recorded. CEO involved in me supplier engagement programme.	Suppliers recognised as essential to delivery of organisation's sustainable procurement strategy. Best practice shared with other/peer organisations. Suppliers recognise they must continually improve their sustainability profile to keep the clients business.
Measurements & Results	key sustainability impacts of procurement activity have been identified. Simple measures band on achieving all sects of the Foundation well of the CP maturity matrix are put in place and delivered.	Detailed appraisal of the sustainability impacts of the procurement activity has been undertaken. Measures implemented to manage the identified high risk impact a reas. Simple measures based on achieving all aspects of the Embedding level of the maturity matrix are put in place and delivered.	Sustainability measures refined from general departmental masures to include individual procurers and elinked to development objectives. Simple measure based on achieving all aspects of the Practicing level of the maturity matrix are put in place and delivered.	Measures are in grated into a balanced ore card (or equivalent) a croach reflecting both in lut and output. Progress formal benchmarked with organisation. Comparison is mide with peer organisations. Benefit statements have been produced.	Measures used to drive organizational sustainable development strategy direction. Progress formally benchmarked with peer organisations. Benefits from sustainable procurement are cleanly evidenced. Independent audit reports available in the public domain. Simple measures based on achieving all aspects of the leading.

1. Using the matrix again, plot your organisation's (or cities) goal position.

2. What would be the likely BSR project end phase (as an interim step?)







Mentoring (WP3.2)

Mentoring timeline

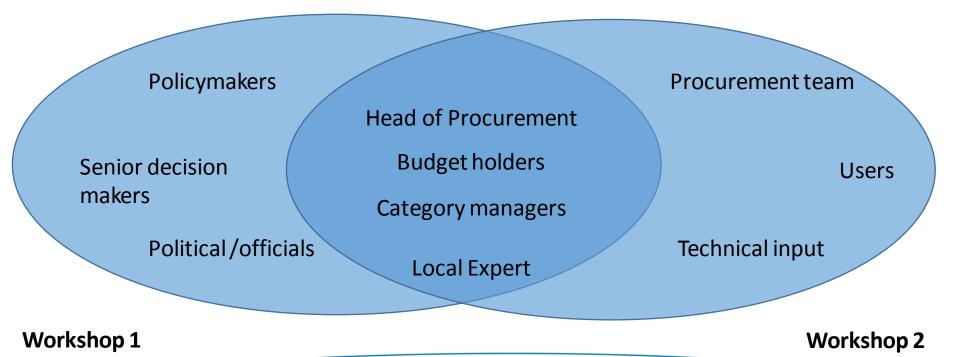


Tailor the timeline and support to city needs



Mentoring (WP3.2)

Mentoring workshop (example) participation





Mentoring (WP3.2) Roles

Local experts -

- Combining knowledge of policy goals, strategic procurement and circular economy opportunities
- Day to day coordination
- Share knowledge
- Solve local issues
- Liaison with mentor
- Liaison between project & tender exercise

Mentors -

- Guidance and support
- Share knowledge
- Connect the BSR pilots
- Visits (milestones)
- Maintain contact with local expert









EUROPEAN UNION EUROPEAN REGIONAL DEVELOPMENT FUND





Mervyn Jones Sustainable Global Resources, UK mervyn@sustainableglobalresources.co.uk





Cuno van Geet Take Padding Rijkswaterstaat, Netherlands <u>cuno.van.geet@rws.nl</u> <u>Take.Padding@PIANOo.nl</u>