SCREEN

Synergic CirculaR Economy across European regioNs

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No730313

General Project Presentation

Carlo Polidori – project manager

ACR+ Webinar

17 Regions from 12 EU Countries

www.screen-lab.eu

A common replicable approach for a transition to a circular economy in the context of the RIS3 strategy

The four steps of the SCREEN project

How to identify local Circular Economy potential and existing Value Chains (Regional level)

How to identify cross-regional Circular Economy Synergies (Operational synergies)

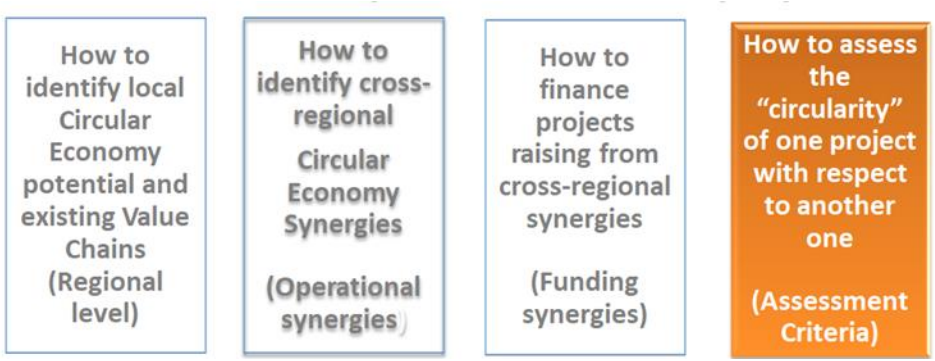
How to finance projects raising from cross-regional synergies (Funding synergies)

How to assess the "circularity" of one project with respect to another one (Assessment Criteria)

Methodology for Regional Cooperation

Policy Makers Recommendation Manual

Assessment criteria for circular economy projects



- 4th logical step of the project
- We started with 5 criteria discussed in the 2° Policy Lab
- Several months of discussion and tests on real cases

A draft table of assessment criteria (V2.0) for circular economy issued on January 2018

Good compliance with the indicators in the Monitoring Framework document

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Policy Lab

DRAFT TABLE OF ASSESS

Pro ste recycling or reduction should select one of the case

Indirect projects (such as supporting actions) should only provide data for crite

1	2	3	4
	N.	Description	Explanation
Environmental Criteria (each project can indicate only one criterion, among 1, 2, 3 and 4)	1	Mass of waste resources recovered and re-introduced in the own production cycle, or	Waste recovered is re-used in the same location as a secondary raw material
	2	Industrial symbiosys: Mass of waste resources recovered and re introduced in another production cycle , or	Waste recovered is re-used in another location as a secondary raw material
	3	Increase in the recyclability of waste generated, or	Waste recovered is put on the market as a secondary raw material
	4	Avoidance of waste generated	The new process generates less waste
	5	"Net Energy balance respect to the previous system" or "Amount of energy recovered"	The new process consumes less energy or same energy of th new process is recovered
	6	Reduction of emissions	The new process has less emissions respect to the old one
Social Criterion	7	Net balance of jobs	Number of new jobs created by the circular economy project, minus the number of jobs lost in the previous linear process
Economic Criterion	8	Increase of economic value (lyfe cycle)	Ratio of economic value of the new process respect to the previous one
Criteria for indirect projects	9	Project promoting waste recycling	
	10	Implementation of "green procurement" in the project	
	11	Inclusion of relevant stakeholders education on circular economy	

(*) In case of other pollutans, a table of equivalence should be used to convert

Monitoring Framework -COM(2018) 29 final

No	Name	Relevance	EU levers (examples)
Production and consumption			
1	EU self-sufficiency for raw materials	The circular economy should help to address the supply risks for raw materials, in particular critical raw materials.	Raw Materials Initiative; Resource Efficiency Roadmap
2	Green public procurement*	Public procurement accounts for a large share of consumption and can drive the circular economy.	Public Procurement Strategy; EU support schemes and voluntary criteria for green public procurement
3a-c	Waste generation	In a circular economy waste generation is minimised.	Waste Framework Directive; directives on specific waste streams; Strategy for Plastics
4	Food waste*	Discarding food has negative environmental, climate and economic impacts.	General Food Law Regulation; Waste Framework Directive; various initiatives (e.g. Platform on Food Losses and Food Waste)
Waste management			
5a-b	Overall recycling rates	Increasing recycling is part of the transition to a circular economy.	Waste Framework Directive
6a-f	Recycling rates for specific waste streams	This reflects the progress in recycling key waste streams.	Waste Framework Directive; Landfill Directive; directives on specific waste streams
Secondary raw materials			
7a-b	Contribution of recycled materials to raw materials demand	In a circular economy, secondary raw materials are commonly used to make new products.	Waste Framework Directive; Eco-design Directive, EU Ecolabel, REACH; initiative on the interface between chemicals, products and waste policies; Strategy for Plastics; quality standards for secondary raw materials
8	Trade in recyclable raw materials	Trade in recyclables reflects the importance of the internal market and global participation in the circular economy.	Internal Market policy; Waste Shipment Regulation; Trade policy
Competitiveness and innovation			
9a-c	Private investments, jobs and gross value added	This reflects the contribution of the circular economy to the creation of jobs and growth.	Investment Plan for Europe; Structural and Investment Funds; InnovFin; Circular Economy Finance Support Platform; Sustainable Finance Strategy; Green Employment Initiative; New Skills Agenda for Europe; Internal Market policy
10	Patents	Innovative technologies related to the circular economy boost the EU's global competitiveness.	Horizon 2020

#CEstakeholderEU

European Circular Economy Stakeholder Platform

A joint initiative by the European Commission and the European Economic and Social Committee

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How do we assess projects' circularity? Questionnaire for assessment criteria by SCREEN Policy Lab

SCREEN Policy Lab: Questionnaire on the assessment criteria for circular economy projects

Date:
2 Feb 2018

News type:
Announcement

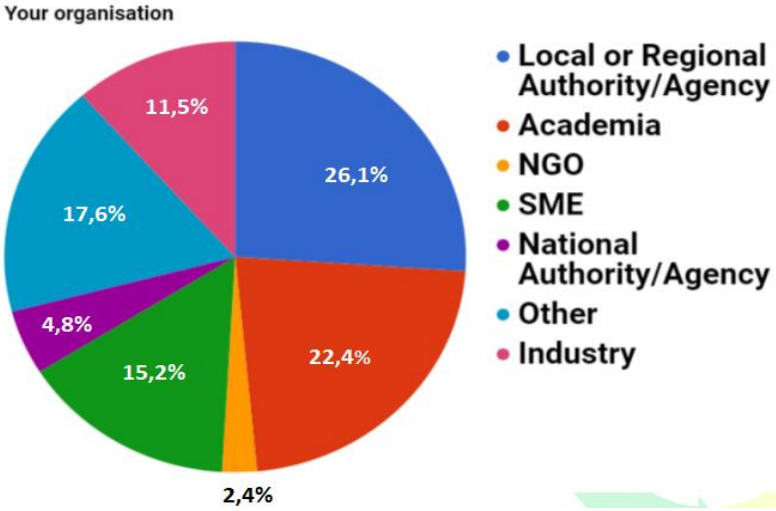
Sector:
Sustainable development

Body:

SCREEN Policy Lab has been working on criteria to be used for evaluating the *"circularity"* of projects, in order to help the evaluators to make a clear and transparent ranking list. SCREEN needs to collect feedback from external stakeholders, particularly from those expected to apply for regional funding. Your opinion is therefore important and will have an influence on the definition of the final set of criteria that will be used by the SCREEN regions. You can fill in the online questionnaire until 11th of May.

Go to questionnaire website

165 Answers, 43 Comments



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Brief resume of the comments received

- Useful tool towards the definition of CE projects
- Eco-design projects should gain more attention
- Excessive focus on waste matter
- Avoiding waste !!
- Please, simplify the table

- Detailed comments received from the Dutch Ministry of Infrastructures, together with a proposal for a cooperation in this field

	N.	CRITERION	Explanation	*Metrics*	*Additional parameters*	*Assessment indicator*	*Weight*
PRODUCTION	1	**ECO- Design**	Re-shaping the first stage of an industrial process (Product design) in order to reduce the waste generated AND/OR increase the life of the final product	Kg/year of virgin material avoided through the new process AND/OR by the prolongation of the product's life	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	10
	2	**New production process accepting "secondary raw material"**	Replacement , total or partial, of virgin material with "secondary raw material"	Kg/year of virgin material avoided through the new process	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	8
CONSUMPTION	3	**RE-Use, Re-Manufacturing, Refurbishment,**	Prolongation of the life of a certain product that otherwise will be disposed	Kg/year of virgin material avoided by the prolongation of the product's life	Economic value of the virgin material (€/Kg)	Metrics x additional parameter (€/year)	8
DISPOSAL	5	**Mass of waste resources recovered and re-introduced in a production cycle as secondary raw material**	The new process generates waste that can be re-used in the same process or in another production process	Kg/year	Economic value of the secondary raw material(€/Kg) **minus** Cost of its transport to the production site (€/Kg) (*)	Metrics x additional parameter (€/year)	8
	6	**Project promoting waste recycling**	Promotional campaign with a specific target producing a specific waste	Waste produced by the target Kg/year	Cost of disposal (€/Kg)	Metrics x additional parameter (€/year)	6
ENVIRONMENTAL CRITERIA	7	**"Net Energy balance respect to the previous system" or "Amount of energy recovered"**	Energy (KWh) used in the old process per unit of product divided by energy used in the new process for the same unit of product	Number that can be lower or higher than 1		Metrics (the number in column C)	1 (*the assessment indicator is "per se" a weight*)
	8	**Reduction of emissions**	Emissions of CO2 (**) generated by the old process per unit of product divided by emissions used in the new process for the same unit of product	Number that can be lower or higher than 1		Metrics (the number in column C)	
SOCIAL CRITERION	9	**Net balance of jobs**	Number of new jobs created by the circular economy project, minus the number of jobs lost in the previous linear process	N = Number of full time working units (can be positive or negative)	P = Number of full time woking units in the old process	$1 + \frac{(N)}{P}$	
Applicants may select only one of these two boxes		**Implementation of "CIRCULAR PROCUREMENT" in the project** *(tick the box if relevant)*		The weight of the related project is increased by 50%			
		Educational projects targeted to relevant stakeholders *(tick the box if relevant)*		The weight of the related project is increased by 20%			

(*) In case the secondary raw material does not have a final destination but is just "put on the market", the weight is reduced from 8 to 7

(**) In case of other pollutans, a table of equivalence should be used to convert them into CO2 equivalent emissions - https://climatechangeconnection.org/emissions/co2-equivalents/

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Rev 3.0 elaborated according to the feedback, including instructions and an example of its application

Extract from the feedback received by DG ENV (after a meeting held on September 2018)

- We welcome the initiative and the link to the indicators used in the EU monitoring framework, but some key issues are missing.
- Some remarks on both the choice of the indicators and on the weighting criteria used to get the overall index.
- A general formula for calculating the final score and the link to the cells in the Table is not clear
- Plus several specific comments on each criterion

What we are doing after the end of the project

- Further elaboration and internal discussion *(Policy Lab)*
- Tests in real cases by the Regions *(on a voluntary basis…)*
- Cooperation with the Rijkswaterstaat
- Cooperation with the “Circular City Funding Guide” *(see next slide)*
- A new meeting as a SCREEN Policy Lab to show the new table

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European Investment Bank The EU bank

60 years improve lives. together.

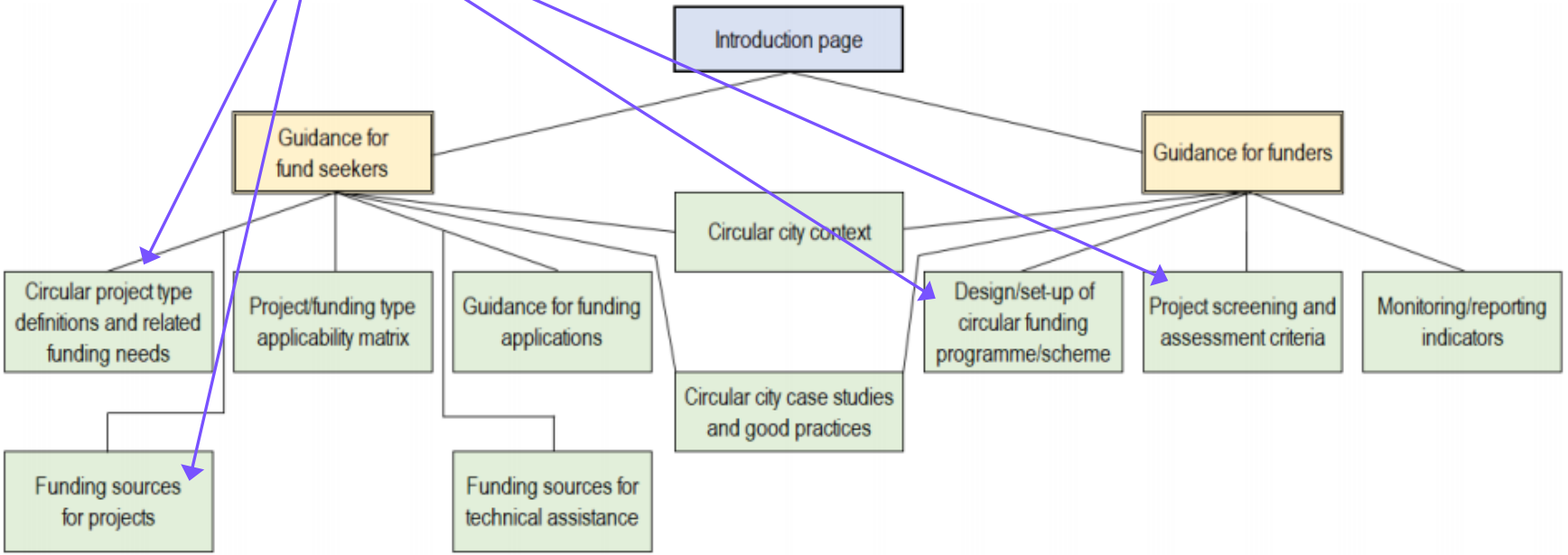
European Commission

Possible contribution to:

Circular City Funding Guide

Urban Agenda Partnership for Circular Economy

Workshop in Brussels 21 November 2018



More details in the next presentations…..

Thank you for your attention!

Carlo Polidori

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