

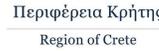
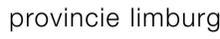


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No730313



SCREEN Synergic Circular Economy across European regions

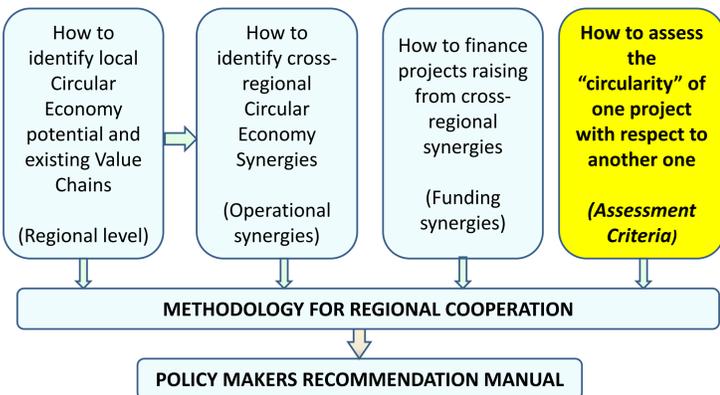
www.screen-lab.eu



How do we assess projects' circularity?

Questionnaire for assessment criteria by SCREEN Policy Lab: www.screen-lab.eu/Questionnaire.html

The four steps of the SCREEN project



SCREEN is an H2020 CSA aiming at the definition of a replicable systemic approach towards a transition to Circular Economy in EU regions. A specific task is dealing with a common agreement on a specific set of "evaluation criteria for circular economy projects". The criteria to be defined are therefore the additional ones to be used for the sole purpose of evaluating the "circularity" of one project respect to another one and help the evaluators to make a clear and transparent ranking list.

Your opinion is important and will have an influence on the definition of the final set of criteria that will be used by the SCREEN regions. Please fill-in the questionnaire at: www.screen-lab.eu/Questionnaire.html



DRAFT TABLE OF ASSESSMENT CRITERIA FOR CIRCULAR ECONOMY PROJECTS

Projects dealing with waste recycling or reduction should select one of the cases indicated in the rows from 1 to 4 and provide the requested data. Then data can be provided for criteria 5, 6 and 7.

Indirect projects (such as supporting actions) should only provide data for criteria 8, 9 and 10

Select only one among the four

1	2	3	4	5	6	7	8	9
N.	Description	Explanation	Metrics	Additional parameters	Assessment indicator	Weight	Data that should be provided by the applicants	
Environmental Criteria (choose 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	Kg/year			10	Description of the new process with a clear demonstration of quantity, quality and economic value of the waste re-used in the same location
	2	Industrial symbioses: 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	Kg/year	Economic value of the secondary raw material (€/Kg)	Metrics x additional parameter (€/year)	9	Description of the new process with a clear demonstration of quantity and quality of the waste recovered, AND statement of the owner of the other process that buys the secondary raw material at the described cost
	3	Increase in the recyclability of waste generated, or	Waste recovered is put on the market as a secondary raw material	Kg/year			8	Description of the new process with a clear demonstration of quantity, quality and economic value of the waste recovered
	4	Avoidance of waste generated	The new process generates less waste	Kg/year	Cost of disposal (€/Kg)		7	Description of the new process with a clear demonstration of quantity, quality and economic value of the waste re-used in the same location
	5	"Net Energy balance respect to the previous system" or "Amount of energy recovered"	The new process consumes less energy or same energy of the new process is recovered	Kwh/year	Cost of Energy (€/KWh)	Metrics x additional parameter (€/year)	6	Description of the new process with a clear demonstration of the quantity of energy saved or recovered
	6	Reduction of emissions	The new process has less emissions respect to the old one	CO2 Kg/year (*)		Metrics (CO2 Kg/year)	6	Comparative description of the old and new processes, with a clear justification of CO2 emission reduction(*)
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	Number of full time working units		Metrics (number of full time working units; in case of part time units decimals should be used)	6	Comparative description of the old and new processes, with a clear justification for new jobs created and old job lost. In case of no jobs lost a description of the new tasks for workers previously working at the old process should be provided
Economic Criterion	8	Increase of economic value (life cycle)	Ratio of economic value of the new process respect to the previous one	%		Metrics (%)	6	Comparative description of the old and new processes, with a clear justification of the increased economic value, if any
Criteria for indirect projects	9	Project promoting waste recycling					From 1 to 5	
	10	Implementation of "green procurement" in the project					From 1 to 5	Score assigned by the evaluators on the basis of the information contained in the project proposal: 0 = not complying with the criterion; 1 = poor; 2 = fair; 3 = good; 4 = very good; 5 = excellent
	11	Inclusion of relevant stakeholders education on circular economy					From 1 to 5	

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

Explanatory notes

The Draft table of assessment criteria for circular economy projects in has been prepared after several discussions between the 17 SCREEN regions and other stakeholders: it is intended as a tool for helping the evaluators of circular economy projects asked for regional funds, to be used in addition to the usual evaluation criteria. Projects are firstly divided into two separate categories:

- A) Projects dealing with a production process change or upgrading**
The first category of projects is divided in four sub-categories having different "circularity impact" (weight), depending of the destination and the use of the waste recovered; applicant must compulsorily select only one of the following cases:
- Waste recovered is re-used in the same location as a secondary raw material: this is the best ranked case, because there is no need of transport from one place to another place
 - Waste recovered is re-used in another location as a secondary raw material: in this case there is a need of transport, but the recovered waste already has its final destination certified
 - Waste recovered is put on the market as a secondary raw material: there is a need of transport and the recovered waste does not have its final destination yet
 - The new process generates less waste, that is not recovered

After having chosen one of the above criteria, applicants are requested to indicate the energy efficiency of the new process respect to the old one (Criterion 5); these two criteria (the one selected among four and the fifth one) are converted in € per year through the parameters indicated in the table, in order to have a uniform parameter.

- Applicants are then requested to provide data for a further environmental criterion and for the socio-economic criteria:
- Criterion 6) Reduction of emission (Kg of CO2 per year); reduction of other GHG/pollutants should be reduced to Kg of CO2 equivalent through commonly accepted conversion tables such as the one at <https://climatechangeconnection.org/emissions/co2-equivalents/>
 - Criterion 7) Net balance of jobs (created by the new circular process and lost in the old linear one);
 - Criterion 8) Increased economic value of the new process respect to the old one (%). This criterion is not transformed in € per year, in order to not penalize small businesses respect to greater ones: therefore only the increasing ratio is considered.

- B) Projects dealing with the promotion of circular economy**
This category of projects includes promotion, training, education and any other activity dealing with circular economy, but not directly foreseeing a change of a production process from linear to circular. Due to the wide range of possible projects, this draft version considers 3 generic sub-categories. It is to be underlined that these criteria have been defined as additional ones to be used by the regions, together with the usual ones, in case of projects dealing with circular economy and 3 criteria (respect to the 5 above defined for direct projects) should be enough. An excessive number of additional criteria could have a counterproductive effect.

Impacts

The preliminary list of assessment criteria defined by the SCREEN project has a good compliance with the list of circular economy indicators provided by the European Commission "Monitoring Framework" COM (2018) 29 final issued on 16th of January 2018.

The final list will take into account the results of the questionnaire and will be proposed to:

- European Commission, for its adoption as additional criteria on European funded projects.
- Other European Regions and programme owners, in order to have a common uniform evaluation of circular economy projects in Europe