



# How do we assess projects' circularity?

## Minutes of Fourth Policy Lab in Brussels

30<sup>th</sup> May 2018 – European Economic and Social Committee – h 09,00-12,30 – Room JDE-63

*(List of attendees in Annex)*

### Executive Summary

The Fourth Policy Lab Meeting started with a brief presentation of the European Circular Economy Stakeholder Platform, highlighting its role as a relevant contribution and a good example for the implementation of circular economy projects.

Then, the conference focused on the explanation of the project itself, starting from the basic elements as start/end dates and its most important actions. A great attention has been attributed to the explanation of the draft table of assessment criteria for circular economy projects developed by SCREEN partners, focusing on the criteria stabilized in order to facilitate their evaluation.

The criteria have been explained, going down into the detail of each of them. Description, metrics, parameters and indicators have been duly reported. Those participants interested in providing their own opinion about them had the possibility and the time to talk and explain their point of view: many of the emerged comments added great value to the event and will be considered for the next implementations of the project.

It follows an explanation of the questionnaire diffused for around five months to many interested stakeholders, aiming at collecting feedbacks about those same criteria from as many external parts as possible. Thanks to the many responses obtained (165 answers plus 43 optional comments), it will be possible to effectuate a significant review of the table, in cooperation with relevant stakeholders, and discuss it during the next SCREEN events (held in Pamplona in September and in Rome in October 2018).

Both DG Environment and the Dutch Ministry of infrastructure confirmed their willingness to cooperate for a better definition of the assessment criteria for circular economy projects.

After the coffee break the attention of the participants moved to the new SCREEN deliverables and important hints for the next steps (particularly focusing on the final project deliverables).

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## Agenda

- h. 09,00 Registration
- h. 09,30 Welcome speech and brief presentation on the European Circular Economy Stakeholder Platform (*Bernd Dittmann, EESC Member*)
- h. 09,45 Introduction (*C. di Giorgio, Lazio Region, Coordinator of the SCREEN project*)
- h. 09,55 Assessment Criteria for Circular Economy projects (*A. Ruggieri, Rector of Tuscia University; Carlo Polidori, project manager of the SCREEN project*)
- h. 10,15 Questionnaire results (*Martina Chiaraluce, Veltha*)
- h. 10,30 Discussion (*first round of comments by the member of the Policy Lab, then questions from the public*)
- h. 11,00 Coffee Break
- h. 11,30 New SCREEN deliverables and overview of the final ones (*M.Colledani, AFIL; A. Braccini, Tuscia University; Nillo Halonen, Tampere; Bart Volkers, Fryslan*)
- h. 12,10 Discussion
- h. 12,25 Conclusions and next steps (*Carlo Polidori, Veltha*)
- h. 12,30 End of the Policy Lab Meeting

## Key issues or discussions – Item 1 – Assessment Criteria for Circular Economy Projects

### **Bernd Dittmann, EESC Member**

Mr Bernd Dittmann welcomes and thanks for their presence every participant to the event and then introduces the European Circular Economy Stakeholder Platform: an initiative to provide stakeholders an instrument to exchange knowledge about this topic. He explains practical information such as how it works, who can access it, how to get involved; underling its importance as a good incentive for circular economy projects. It consists in a very relevant tool and source of inspiration for anyone interested on initiatives concerning circular economy and way to implement it. He also mentions the communication on monitoring framework for the circular economy issued by the European Commission.

### **Carmela di Giorgio, Lazio Region**

As coordinator of SCREEN project, she starts the speech explaining briefly its main elements. Duration (November 2016-October 2018), number of partners (18; including regions, regional and national agencies, one university) and its objective: the definition of a common agreed and replicable systemic approach towards a transition to Circular Economy and the synergic application of different funds. Then, she clarifies the development of the project on four steps and looks into each of them: the first one is related to the identification of local Circular Economy potential value chains in each region, and the second one deals with cross-regional synergies between different value chains. Since such synergies generally lead to cross-regional projects, the third step faces the issue of how to finance them. Finally, the agreement between regions about a synergic use of funds implies a common agreement on how to assess specific projects dealing with circular economy: the fourth step has identified some criteria to be used in addition of the ones usually adopted by each region: this approach is the main theme of this meeting and will be explained and discussed during this morning. These four steps are part of a unique methodology for regional cooperation and will be presented in a specific deliverable, together with a list of normative barriers encountered and recommendations for policy makers.

She also underlines the aim of these policy labs which is to ensure that the analyses and proposals developed within the SCREEN project are discussed with EU and regional policy-makers as well as key stakeholders. She notes that comparing to the previous Policy Labs that were mostly focused on the effective needs of the programme owners and their difficulties in a coordinated use of ESIF and other funds together with H2020 funds, innovation involving SMEs has been already addressed through a questionnaire circulated among the regional programmes owners, that pointed out the too low effective impact of the “Seal of Excellence” and the need of further instruments. A solution developed on the basis of the Policy Lab discussions is a pilot action for the synergic application of different EU and Regional Funds in the field of Circular Economy (“common pot”). *The pilot action is described in a Memorandum of Understanding currently being signed by the SCREEN regions. It is a practical and effective shortcut to define a sort of “multi-partner Seal of Excellence” and to pave the way to the future synergic application of funds for cross regional projects dealing with Circular Economy.* Up to now, 6 Regions (including Lazio) already signed the memorandum.

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### **Alessandro Ruggieri, Rector of Tuscia University**

He briefly explains the role of Tuscia University as promoter of good practices and circular economy implementation, mentioning a new Master course organized by the institution focusing properly on circular economy. He underlines the necessity of creating specific criteria for circular economy projects, specifying that the ones to be defined are additional with the sole purpose of helping evaluators in the task of assessing the circularity of one project respect to another. He mentions the draft table containing the criteria of assessment for this kind of projects that will be fine-tuned on the basis of the questionnaires' results; then completed and represented during the next SCREEN events.

### **Carlo Polidori, project manager of the SCREEN project**

He reports the main objective of the table, which is intended as a tool for helping the evaluators of circular economy projects asking for regional funds, to be used in addition to the usual evaluation criteria. He underlines more than once that the table is a draft version to be completed since the final step on how to *practically* proceed with the comparison of projects is still missing.

Then, Mr. Polidori analyses the structure of the table: firstly, it is divided into two different categories of projects, addressing waste recycling or avoidance through a change or upgrading of the production process and projects dealing with the promotion of circular economy. Metrics are in all cases the mass of waste per year, together with an additional parameter (economic value for the secondary raw material, cost of disposal for the avoided mass of waste). In this way the final assessment indicator will be in any case expressed in €/year. Next, there are two further environmental criteria: criterion 5 indicates the energy efficiency of the new process respect to the old one, including a statement of the quantity of energy saved or recovered through the new process. Criterion 6 deals with the reduction of CO<sub>2</sub> emissions; in case of other Greenhouse gases and pollutants, they should be converted to CO<sub>2</sub> equivalent through commonly accepted conversion tables. Criterion 7 faces the issue of net job balance, by asking to estimate the losses in the previous linear process with respect to the jobs created in the new circular one. In case of no jobs lost, a description of the old process should be provided together with an explanation on how the workers will be used in the new one. Criterion 8 is the economic one and deals with the increased economic value of the new process respect to the old one. Then, the second category of projects includes 3 generic sub categories: projects promoting waste recycling, implementation of green procurement in the project and inclusion of relevant stakeholders education on circular economy. The weight of these criteria are expressed in a scale from 1 to 5; where 1 corresponds to "poor" and 5 to "excellent".

Mr. Polidori mentions as well the monitoring framework for the circular economy, containing 10 indicators, issued on January 2018 by the European Commission; underling its correspondence with the draft table created by SCREEN partners (although the two parties worked in a completely separated and independent way). The idea is to contact the Commission team as soon as the draft table will be completed, in order to better harmonize the final version.

### **Martina Chiaraluce, Veltha**

Her role is to explain the results obtained with the questionnaire of the draft table, which has been opened until the 15 of May 2018. Thanks to the collaboration of all the partners, a total of 165 answers have been collected, plus 43 optional comments. The participants have been divided

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according to their organization (local or regional authority, academia, NGO, SME, national authority, industry, other) and statistics have been made about their provenance. Most of them turned out to come from local or regional authority or agency.

The questionnaire included 11 questions, structured as follow:

- Question 1: definition of two categories of projects;
- Question 2: definition of four sub-categories of projects;
- Question 3: clarity of the description of the four sub-categories;
- Question from 4 to 7: opinion about the specific criteria;
- Question 8: agreement about the metrics and assessment indicators adopted;
- Question 9-10: opinion about the weights adopted;
- Question 11: overall opinion about the table.

Stakeholders had to give their opinion in an ascending scale from 1 (fully disagree) up to 9 (fully agree). Considerations have been made bearing in mind the percentage of answers obtained on the latest three scores.

She quickly oversees the main outputs of the 43 comments, mainly reporting that:

- Most of the stakeholders considered the draft table as a relevant contribution to a more harmonized assessment of circular economy projects;
- Eco design, reuse and remanufacturing were not duly considered while filling out the table;
- “Avoidance of waste generated” should have higher weight;
- “Net balance of jobs” should have higher value;
- More consideration to waste reduction;
- Carbon savings should be considered in a different approach;
- Too generic use of the term “*economic value*”;
- The idea of differentiating the weights according to regional policies and programmes got criticisms and suggestions to put some limits.

Then a discussion with the public was opened, moderated by Carlo Polidori

#### ***Esteban Pelayo (EURADA, the European Association of Economic Development Agencies)***

He underlines the importance of the table, but also the need of reducing its complexity, in order to make it easier to understand and to be actually applied.

#### ***Marvin Jones (Sustainable Global Resources LTD, also speaking on behalf of Rijkswaterstaat)***

He agrees with Mr. Pelayo about the importance of simplifying the criteria, since they could be a very useful tool but their complexity could somehow intimidate the interested parts. He confirms, also on behalf of Rijkswaterstaat, the offer and the importance of cooperation to improve the table.

#### ***Paolo Ferraresi (RREUSE)***

He points out the main barriers for a clear explanation of circular economy, since there are more than one hundred definitions. Moreover, he highlights the importance of promotion of sustainable consumption and hierarchy of waste, emphasizing his interest of getting involved in the project.

#### ***Maria RINCON-LIEVANA (DG Environment)***

She welcomes the approach of the assessment criteria table and underlines that she is available for an operative meeting to enhance its compliance with the indicators contained in the Monitoring Framework document.

## Key issues or discussions – Item 2 – New SCREEN deliverables and overview of the final ones

### **Marcello Colledani, AFIL**

His presentation focuses on the role of Lombardy Region on WP 3, Task 3.4: *definition of the specific measures, including a multi-regional portfolio of investment instruments*. This include revising and mapping investment instruments both at European and regional level, mapping emerging ideas and cross-regional value chains and identifying gaps among circular economy initiatives. SCREEN methodology is based on the creation of value-chain on both local and cross-regional level. Existing financial Instruments have been collected and revised, including the instruments already available in the regions which are mapped to further develop emerging ideas and gather best practices and hints which can fuel the policy lab created within the process.

This same existing support instruments have been collected through a specific format: dedicated to circular economy activity or dedicated to other sectors.

Consequently, he mentions a couple of successful examples: Lombardy region and Alpine region. He also consider the example of Zero Waste Scotland, which administrates an £18 million Circular Economy Investment Fund and the Circular Economy Business Support Service.

### **Alessio Maria Braccini, Tuscia University**

He focuses on deliverable 3.3, recognizing the classification methodology into three distinguished criteria: *technology readiness level, analysis of circularity and market potential, trend existing in the market*. Then, he oversees the existing synergies and their correspondent sectors (sources 3.1), underling their important environmental and economic consequences. Regarding criterion 1, he also elucidates the three level classification for the TRL (Technological Readiness Level): innovation targets, innovation needs, mature fields. Criterion 2 (market potentiality) is in turn based on other typology of criteria: environmental, social and economic. The first group involves:

- Mass of waste resources recovered and re-introduced in the own production cycle
- Industrial symbiosis: mass of waste resources recovered and reintroduced in another production cycle
- Increase in the recyclability of waste generated
- Avoidance of waste generated
- Net energy balance respect to the previous system or amount of energy recovered.

The second one net balance of jobs, the third one increase of economic value.

Last criterion foresee to identify economic trends, in relation to many terms such as GDP, turnover, level of waste and level of employment. A long list of indicators (around 20) have been identified by regions, creating a quite heterogeneous situation.

### **Nillo Halonen, Tampere**

Mr Halonen introduces himself in behalf of the Council of Tampere Region, which is the task leader for the operational plan, deliverable 5.1. His presentation is based on the importance of applying operational synergies and funding synergies to achieve circular economy goals. This will happen after having generated an operational plan of 5 actions for SCREEN network, in order to apply the methodology for cooperation, this situation will lead to a more effective utilization of funds. In turn,

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to be executable, the operational plan has to follow 4 specific steps: inputs and planning for preparation, survey for local actions, description, common agreement for action.

#### ***Bart Volkers, Fryslan***

Mr Volkers raises a very important issue, *“how to keep the wheel turning?”*.

He mentions the creation of a Policy Recommendation Manual, as foreseen by Milestone 3; and the aiming of providing a portfolio of tools from Task 1.1 until Task 5.2. He emphasises the importance of main roles policy to establish new European industrial businesses in circular economy. Furthermore, he explains the contents of the manual: introduction, clarified barriers, difficulties and recommendations; conclusions.

The discussion was opened, moderated by Carlo Polidori

#### ***Marcin Podgórski (Lodzkie Region)***

He announces that his region is going to sign the SCREEN Memorandum of Understanding and also to revise the regional plans according to its principles or, in order to better face the issue of synergy funds and inter regional cooperation.

#### ***Keti Medarova-Bergstrom (EASME, SCREEN project officer)***

Ms. Medarova points out that the good results achieved should be now made accessible to all the potential users and recommend the use of all the data in the right way (e.g. by underlining the more effective instruments among those detected by the project), in order to maximize the project impacts.

#### ***Wojciech Klimek (DG Research & Innovation)***

He underlines that the approach and the first results presented by Mr. Colledani is exactly what the Commission is expecting from this project. He finishes his intervention by wishing good luck for the next steps forward for the finalization of the project, and specifying the availability of discuss it with the Commission and DG Research & Innovation, making possible to create a strong collaboration.

#### ***Mikel Irujo Amezaga (Navarra Region)***

He announces that the Commission is launching a new interregional instrument funded with one billion euro: the details are not yet known, but there is a good potential for further cross regional cooperation based on the SCREEN results.

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### Conclusion and next steps

Carlo Polidori welcomes the offer for cooperation given by Rijkswaterstaat, as well as the availability of DG ENV for further discussion, underlining that the table is at a draft status and will be updated according to the feedbacks already received and the further involvement of the concerned DGs and the Stakeholder Platform. The next SCREEN event will be held in Pamplona (Spain) in September.

Then, Mr Polidori underlines the aim of extending SCREEN methodology beyond the project life, and the fact that the Policy Lab will be opened to everyone, in order to spread the initiative to as many interested parties as possible: it has to be considered as a discussion table, also connected to the Circular Economy Stakeholder Platform.

Besides, any interested stakeholder can ask to join the LinkedIn group to keep in touch and stay tuned about what's going on with SCREEN project.

In order to test the pilot action and show the multi partners Seal of Excellence, a project having partners coming from SCREEN regions (plus others) and ranked above the threshold was found. A meeting with Lombardy Region and the coordinator of the project has already been held and a letter have been sent to the partners asking them to contact their Regions. Some contacts have already been established and it's possible to count on the support of DG Regio

. It's going to start very soon: the final output will be that each partner of this project will ask for funds.

Moreover, since it is not yet known if the funding will be obtained before the end of the project, this is another good reason to leave the Policy Lab opened. More results will be defined during the next meeting in Pamplona at the beginning of September

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Annex 1 Presentations

(full pdf version available on the SCREEN website [www.screen-lab.eu/Policy-Lab4.html](http://www.screen-lab.eu/Policy-Lab4.html) )



European  
Circular Economy  
Stakeholder Platform



#CESStakeholderEU

Shaping the transition towards a circular economy:  
**The European Circular Economy  
Stakeholder Platform**

*How do we assess projects' circularity?*  
Brussels, SCREEN Policy Lab Meeting, 30 May 2018



European  
Circular Economy  
Stakeholder Platform



#CESStakeholderEU

**WHAT is it?**

- A joint initiative of the European Commission and the European Economic and Social Committee
- Providing an European instrument for stakeholders to exchange across countries and across sectors
- A « network of networks »
- Support the transition and the EU Circular Economy Action Plan



European  
Circular Economy  
Stakeholder Platform



#CESStakeholderEU

**WHEN did it start?**

- Joint Circular Economy Stakeholder Conference organised by the European Commission and the European Economic and Social Committee in March 2017
- Participatory brainstorming gathering stakeholders' views on what such a Platform should do (or not do)




European  
Circular Economy  
Stakeholder Platform



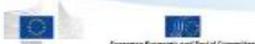
#CESStakeholderEU

**WHAT is it for?**

- Advancing the circular economy concept on the ground in Member States, regional and local governments, civil society and businesses
- Strengthening cooperation among stakeholder networks to facilitate the exchange of expertise and good practices on the circular economy
- Identifying social, economic and cultural barriers to the transition towards a circular economy



European  
Circular Economy  
Stakeholder Platform



#CESStakeholderEU

**WHO is it for?**

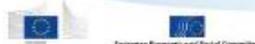
- Stakeholders from all sectors already engaged in the transition towards circularity or interested in joining the movement

namely:

- businesses, civil society organisations, trade unions
- multi-stakeholder organisations focusing on the circular economy
- local governments
- the knowledge community



European  
Circular Economy  
Stakeholder Platform

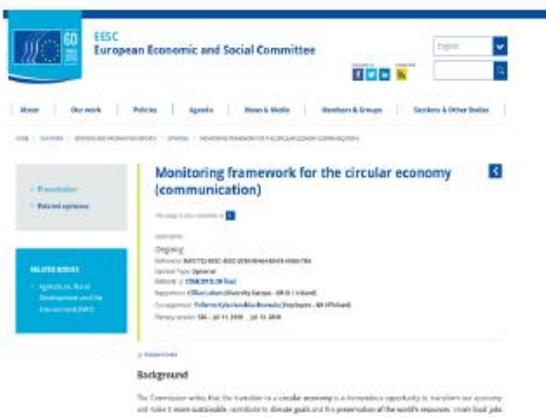


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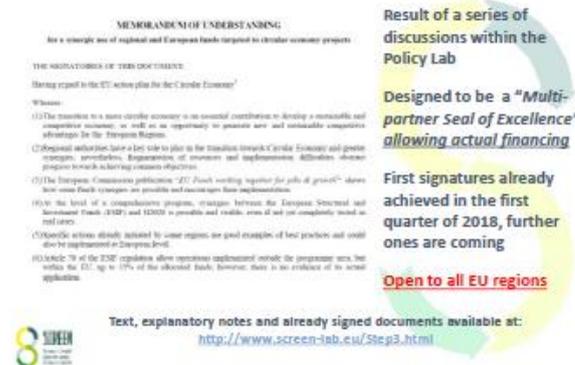
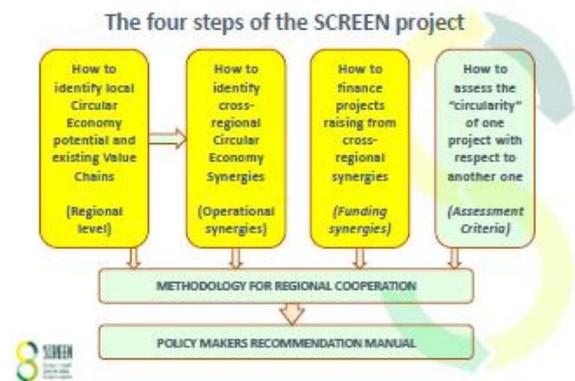
**HOW does it work?**

- A website: [circulareconomy.europa.eu/platform](http://circulareconomy.europa.eu/platform) where you can contribute your own good practices, studies and strategies and get in touch – virtual platform
- A discussion platform for stakeholders will be integrated to the website by September 2018
- A Coordination Group composed of representatives of civil society and local governments networks, operating in 13 countries, guides the Platform's activity
- An annual conference gathering the circular economy community

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**BACKGROUND**

- Increasing relevance of Circular Economy in Europe
- Specific assessment criteria for circular economy projects are still missing.
- There could be some difficulties in evaluating circular economy projects by adopting existing criteria for regional funds
- Additional specific criteria will help in building a clear ranking list

**Methodology**

First discussion within the SCREEN Policy Lab.

Hypothesis with four criteria, further discussion and test with some already financed projects

**Draft** table of assessment criteria

Online questionnaire open to external stakeholders, collect and analyze feedbacks

Further discussion, check with Commission services, ECESP and major stakeholders

Presentation of the final version at one SCREEN event

**DRAFT TABLE OF ASSESSMENT CRITERIA FOR CIRCULAR ECONOMY PROJECTS**

Project dealing with the promotion of circular economy (green) | Project dealing with a production process (red)

Criteria	Description	Weight	Scale	Direction	Comments
Production process	1. Waste of water resources (recovery and reuse)	10	0-100	+	Percentage of water reuse with clear demonstration of quality and quantity
	2. Energy recovery	10	0-100	+	Percentage of energy recovery with clear demonstration of quality and quantity
	3. Waste recovery	10	0-100	+	Percentage of waste recovery with clear demonstration of quality and quantity
	4. Greenhouse gas emissions	10	0-100	-	Percentage of greenhouse gas emissions with clear demonstration of quality and quantity
Promotion of circular economy	5. Circular economy	10	0-100	+	Percentage of circular economy with clear demonstration of quality and quantity
	6. Innovation	10	0-100	+	Percentage of innovation with clear demonstration of quality and quantity

**Physical flow of waste: choose among four options**

Criteria	Description	Weight	Scale	Direction	Comments
Production process	1. Waste of water resources (recovery and reuse)	10	0-100	+	Percentage of water reuse with clear demonstration of quality and quantity
	2. Energy recovery	10	0-100	+	Percentage of energy recovery with clear demonstration of quality and quantity
	3. Waste recovery	10	0-100	+	Percentage of waste recovery with clear demonstration of quality and quantity
	4. Greenhouse gas emissions	10	0-100	-	Percentage of greenhouse gas emissions with clear demonstration of quality and quantity

**Physical flow of waste: two further environmental criteria**

Criteria	Description	Weight	Scale	Direction	Comments
7. Net energy balance related to the production process or "degree of energy recovery"	The net energy consumed less energy of self-energy recovered	10	0-100	+	Net energy balance (kWh)
8. Net emissions	The net process has less emissions related to the old one	10	0-100	-	Net emissions (kg/year)

Gas	Formula	CO2-year (GWP100)
Carbon dioxide	CO <sub>2</sub>	1
Methane	CH <sub>4</sub>	25
Nitrous oxide	N <sub>2</sub> O	100
Hydrofluorocarbon (HFC)	HFC	1000
Perfluorocarbon (PFC)	PFC	10000
Sulfur hexafluoride	SF <sub>6</sub>	23500
Nitrogen trifluoride	NF <sub>3</sub>	10000
Hexafluoroethane	C <sub>2</sub> F <sub>6</sub>	12000
Octafluoroethane	C <sub>2</sub> F <sub>8</sub>	8000
Decafluoroethane	C <sub>2</sub> F <sub>10</sub>	6000
Perfluoropropane	C <sub>3</sub> F <sub>8</sub>	6000
Perfluorobutane	C <sub>4</sub> F <sub>10</sub>	6000
Perfluoropentane	C <sub>5</sub> F <sub>12</sub>	6000
Perfluorohexane	C <sub>6</sub> F <sub>14</sub>	6000
Perfluoroheptane	C <sub>7</sub> F <sub>16</sub>	6000
Perfluorooctane	C <sub>8</sub> F <sub>18</sub>	6000
Perfluorononane	C <sub>9</sub> F <sub>20</sub>	6000
Perfluorodecane	C <sub>10</sub> F <sub>22</sub>	6000

[\*\*] 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/>

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Social criterion

N.	Description	Explanation	Metric	Additional parameters	Indicator	Weight
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 working units		Metrics (number of full time working units; in case of part time units decimals should be used)	6

Economic criterion

N.	Description	Explanation	Metric	Additional parameters	Indicator	Weight
8	Increase of economic value (life cycle)	Ratio of economic value of the new process respect to the previous one	%		Metrics (%)	6



Criteria for indirect projects	N.	Description	Explanation	Metric	Additional parameters	Indicator	Weight
	9	Project promoting waste recycling					From 1 to 5
	10	Implementation of "green procurement" in the project					From 1 to 5
	11	Inclusion of relevant stakeholders education on circular economy					From 1 to 5



DRAFT TABLE OF ASSESSMENT

Monitoring Framework - COM(2018) 29 final

Criteria	Description	Explanation	Metric	Additional parameters	Indicator	Weight
1	Production and consumption	Do all activities by our members...				
2	Energy efficiency	Do all activities by our members...				
3	Waste management	Do all activities by our members...				
4	Water management	Do all activities by our members...				
5	Greenhouse gas emissions	Do all activities by our members...				
6	Land use and land management	Do all activities by our members...				
7	Marine resources	Do all activities by our members...				
8	Biological resources	Do all activities by our members...				
9	Soil resources	Do all activities by our members...				
10	Atmosphere	Do all activities by our members...				
11	Water resources	Do all activities by our members...				
12	Other resources	Do all activities by our members...				

Thank you for your Attention!

Alessandro Ruggieri  
Rector of Tuscia University – Viterbo, Italy

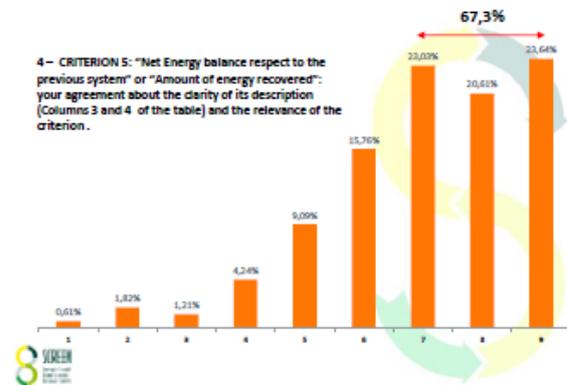
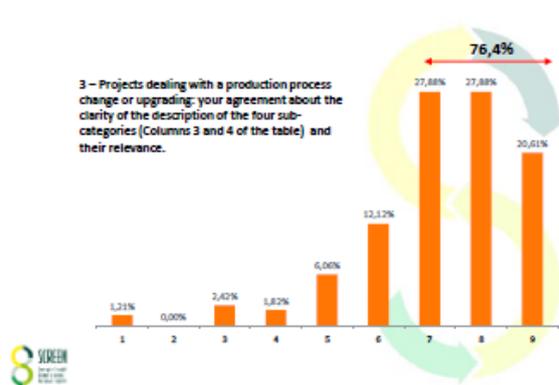
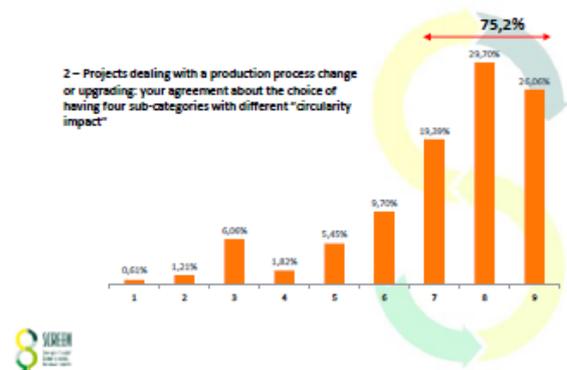
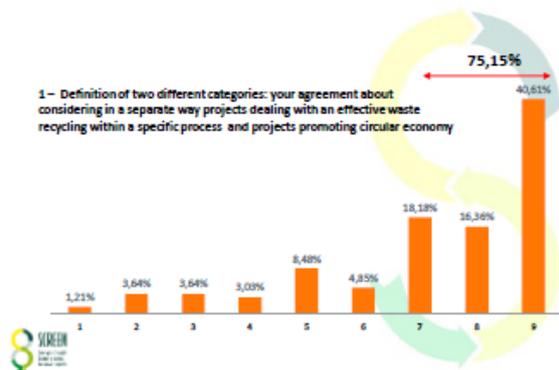
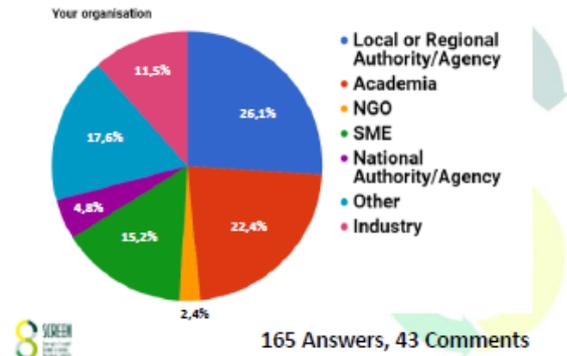
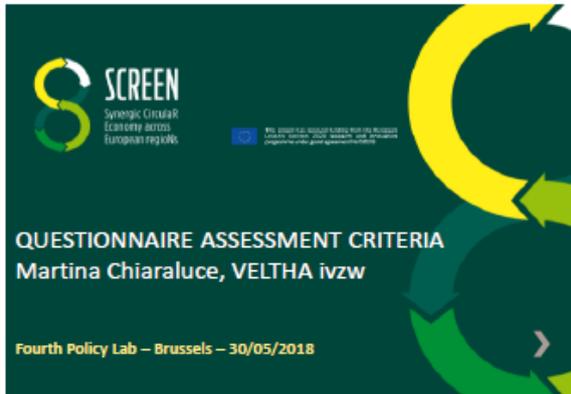
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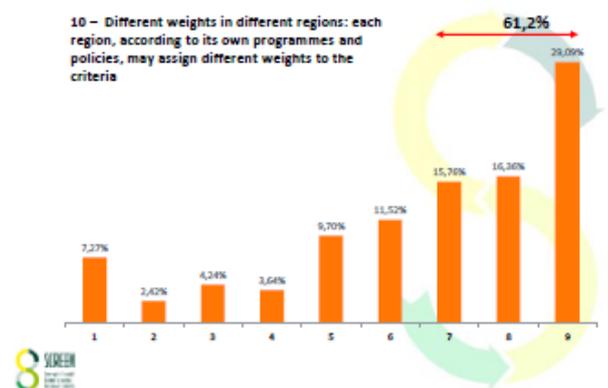
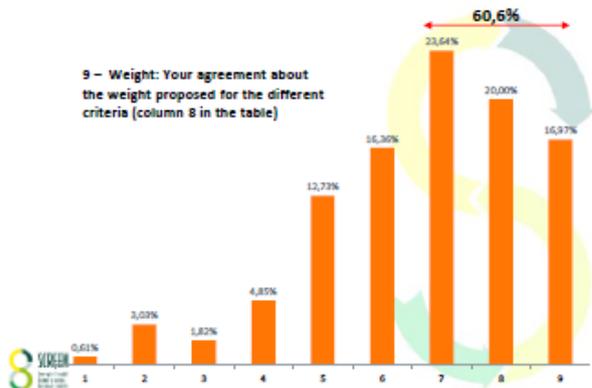
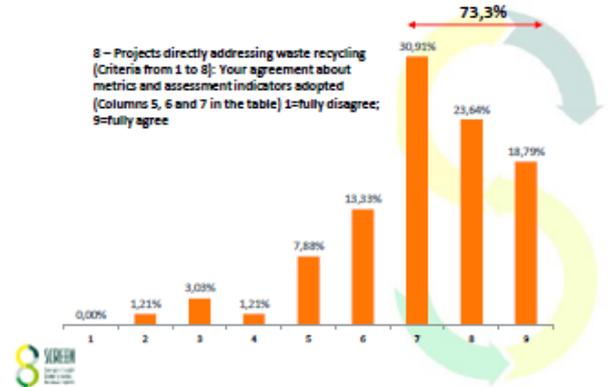
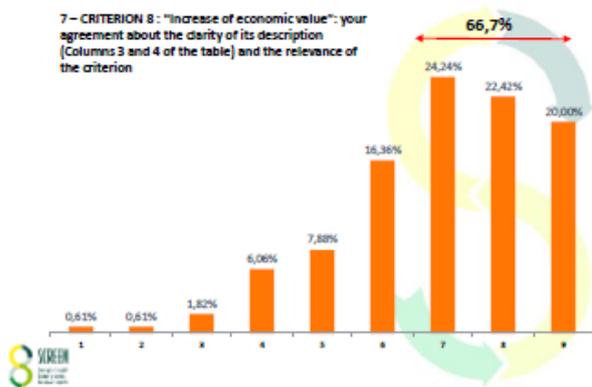
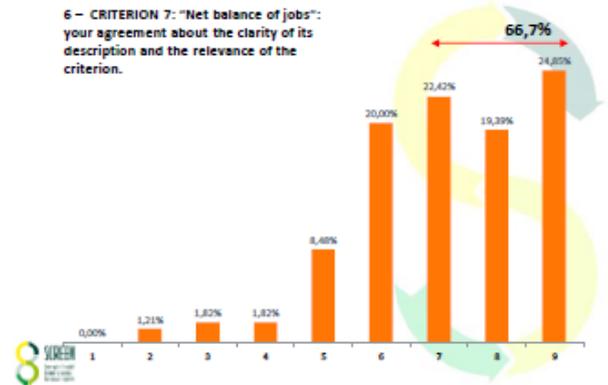
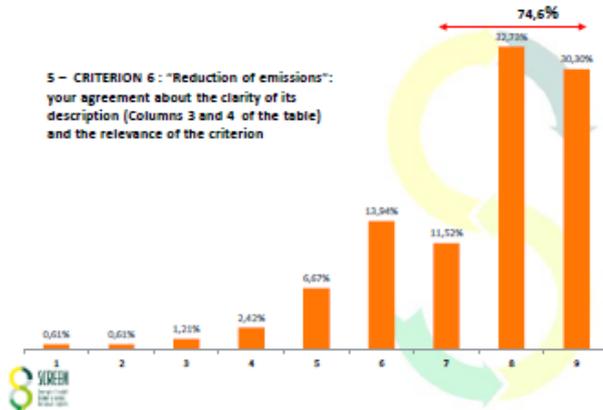
Carlo Polidori – Velthuis  
polidori.carlo@telenet.be



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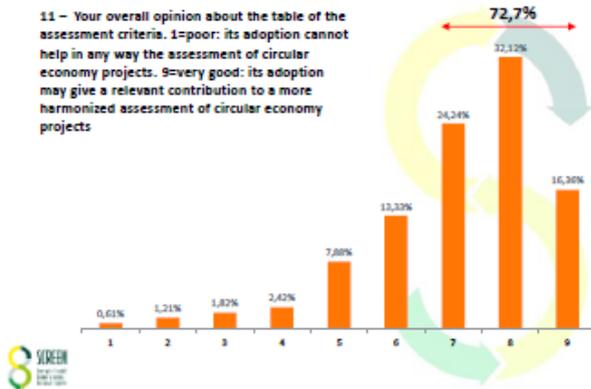


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11 – Your overall opinion about the table of the assessment criteria. 1=poor: its adoption cannot help in any way the assessment of circular economy projects. 9=very good: its adoption may give a relevant contribution to a more harmonized assessment of circular economy projects



Synthesis of the 43 comments received (1)

*"ECO design should have more relevance"*

*"Add design, production, use/reuse and end of life as phases or main categories to the table"*

*"Product re-use, refurbishing remanufacturing are missing"*

Synthesis of the 43 comments received (2)

*"Avoidance of the waste generated" should have weight 10.*

*"You should consider waste reduction/prevention focussed projects as circular projects"*

*"Net balance of jobs" should have an higher value*

Synthesis of the 43 comments received (3)

*"carbon savings could be calculated in relation to material savings using an approach such as Scotland's Carbon Metric"*

*"The term 'economic value' of process is very broad and can be easily manipulated."*

*"If you allow regions to assign different weights, you should also define lowest values (e.g. the regions cannot decrease the weight of single criterion by more than 50%) "*

Thank you for your Attention!

Martina Chiaraluce  
Veltha LLP



Discussion is now open



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



Structure and objectives of the WP3 "Matching criteria and specific measures"



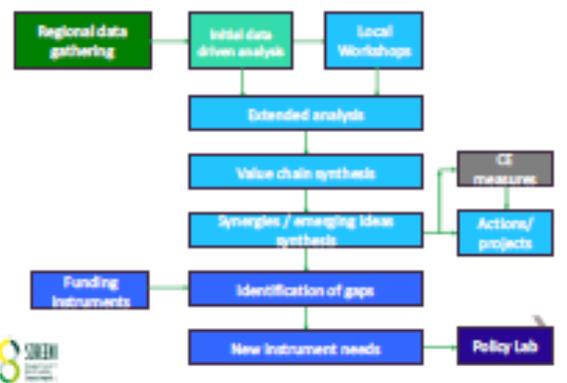
- Objectives of the Work Package:
- To identify (3.1) and classify (3.2) synergies among the participating regions and connected strategic initiatives, in order to define a set of specific measures to be discussed (3.3)
  - Understand if and how existing and new regional instruments can support the implementation of the identified Circular Economy initiatives (3.4)

Task 3.4: Regional portfolio

Objective: definition of the specific measures, including a multi regional investment instruments

- Existing investment instruments supporting Circular Economy are revised and mapped, both at regional and European level
- The emerging ideas and cross-regional value-chains are mapped and potential existing support instruments.
- Gaps among Circular Economy initiatives and investment instruments are identified and recommendations for new instruments providing support to Circular Economy initiatives are provided.

SCREEN Methodology: From local to cross-regional value-chains



Existing financial instruments

"Existing financial instruments" have been revised including the instruments already available in the regions which are mapped to:

- Further develop the emerging ideas, stemming from the results of the previous steps within Screen.
- Gather best practices and hints which can fuel the policy lab, created within the project.



Task 3.4: Methodology – data gathering

Existing support instruments belonging to each regional portfolio of CE are collected through a specific format.

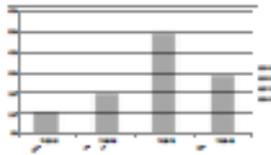
- Dedicated to Circular Economy activities
- Dedicated to other sectors (e.g. transport, smart cities, energy) to be transferred to Circular Economy.

Field	Support Instrument Description/Format	Possible values
Investment instrument name		Free
Brief description of the instrument		Free
Scope of the instrument		Free
Geographic area(s) of focus (Free)		Free
Category of beneficiaries		Large Enterprises, SME, STS, etc.
Type of financing		Loan, equity, leasing or financing, subsidy
Date of financing		Free
Eligible Costs		Personnel, Equipment (depreciation), R&D, Innovation, Overheads, Training, etc.
Source of funding (EU, EAF, etc.)		Regional, National, European, International
Supporter TRL level		[1-2] [3-4] [5-6] [7]

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Task 3.4: Methodology – Data gathering

Region	Number of instruments	Estimated total	Estimated amount (€)	Estimated amount (€)	Estimated amount (€)	TRL 4	TRL 5	TRL 6	TRL 7
Germany	10	10	10	10	10	10	10	10	10
Italy	10	10	10	10	10	10	10	10	10
Spain	10	10	10	10	10	10	10	10	10
France	10	10	10	10	10	10	10	10	10
UK	10	10	10	10	10	10	10	10	10
Poland	10	10	10	10	10	10	10	10	10
Portugal	10	10	10	10	10	10	10	10	10
Sweden	10	10	10	10	10	10	10	10	10
Denmark	10	10	10	10	10	10	10	10	10
Finland	10	10	10	10	10	10	10	10	10
Belgium	10	10	10	10	10	10	10	10	10
Netherlands	10	10	10	10	10	10	10	10	10
Austria	10	10	10	10	10	10	10	10	10
Switzerland	10	10	10	10	10	10	10	10	10
EU	100	100	100	100	100	100	100	100	100



Existing funding instruments: Lombardy Region example

Successful example of Vouchers for Industry: *Bandi InnoVier – S3 – addizione 2017* - 11MEuro to finance the following technological innovation measures:

- Measure A – vouchers in support of cooperation among SMEs and RTOs;
- Measure B – vouchers for the Lombardy companies that have obtained the "Seal of Excellence" in the "SME Instruments" phase 1 of Horizon 2020, but they are not financed by the EU due to limited resources;
- Measure C – vouchers in support of patenting for industrial uptake.

The vouchers of the Lombardy Region come from the ESIF-ERDF Funds and they are already compliant with the Art. 70 of the ESIF Regulation



<http://www.regione.lombardia.it/esp/portal/INDIA/INDIA/land/Contatti/Industria/Regolazione/Fondi/InnoVier/2017>



TRL 6-7 Subsidy requiring co-financing

Existing funding instruments: "Fund of Funds" Example for the Alpine Regions

The AlpGIP, Alpine Growth Investment Platform, is a "Fund of Funds" for the Alpine Regions, introduced in cooperation between Alpine regions (macro-reg) 4 and ERDF



An equity investment platform for the Alpine Regions

- > The Alpine Growth Investment Platform will be managed by the European Investment Fund (EIF);
- > Initially 70 Million € will be allocated to support companies in the scale-up, coming from public funds and from private investors.



TRL 8-9 Loans

Existing funding instruments: Circular Economy Investment Fund - Scotland

£18 million Circular Economy Investment Fund, administered by Zero Waste Scotland, for SMEs based in Scotland that will deliver circular economy growth. It is supported by the European Regional Development Fund through the £73million Resource Efficiency Circular Economy Accelerator Programme.

1. Funding applications of £50,000 to £99,999.
2. Higher value applications from £100,000 to £1,000,000

BB1 Infrastructure (investment costs) are eligible.



TRL 6-7 Subsidy requiring co-financing

The Fund has been established by Zero Waste Scotland (ZWS), funded in part with European Regional Development Fund (ERDF).



<http://www.zerowastescotland.org.uk/circular-economy/investment-fund>

Existing funding instruments: Circular Economy Business Support Service - Scotland

The Circular Economy Business Support Service, administered by Zero Waste Scotland, offers investment for SMEs based in Scotland and supports work that will deliver circular economy growth. It is supported by the European Regional Development Fund through the £73million Resource Efficiency Circular Economy Accelerator Programme.

Despite one-to-one consultancy service can provide support with:

- Innovation/opportunities identification
- Market assessment
- Stakeholder engagement
- Business plan support



"On completion, businesses will have a clear picture of the benefits and costs of their proposed intervention and a well-defined pathway towards implementation. Businesses may then be signposted to our Circular Economy Investment Fund for grant funding to enable implementation."

TRL 3-4 Subsidy without co-financing

The Fund has been established by Zero Waste Scotland (ZWS), funded in part with European Regional Development Fund (ERDF).



<http://www.zerowastescotland.org.uk/circular-economy/business-support-service>

Existing funding instruments: "Fund of Funds" Example for the Financiere - Region Reunion

Launched by a cooperation between the Regional Council of La Reunion and the European Investment Bank. Funding mix: ERDF (24 ME), Regional funds (6 ME), EIF (20 ME)

Following an ex-ante analysis of the financial needs of local SMEs, the 50 ME capital constituted by ERDF, Regional and EF resources, is divided into two kind of instruments managed by intermediaries:

- An equity co-investment instrument
- A funding/loan instrument.



[http://www.eif.org/what\\_we\\_do/regions/la\\_reunion\\_region\\_en/index.html](http://www.eif.org/what_we_do/regions/la_reunion_region_en/index.html)

TRL 4-5, TRL 6-7, TRL 8-9 Funding rate: Depending on the addressed TRL

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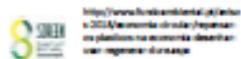
Existing funding instruments: Fundo Ambiental  
Repensar os Plásticos na Economia: (DURE)



Destination Area: Promotion of circular economy in the value chain of plastics.

Fund for Environment - was created to support environmental policies for the pursuit of sustainable development objectives, contributing to the achievement of national and international objectives and commitments, in particular those related to climate change, water resources, waste and nature conservation and biodiversity.

National Fund  
TRL 4-5  
Subsidy requiring co-financing  
Rate of financing: 75% (max.  
200.000€/per project)



Task 3.4: Methodology proposal – Matching local emerging ideas, and cross-regional value chains with instruments

- Match the Circular Economy emerging ideas identified in WPI, and the cross-regional value-chains identified in WPI, towards the existing instruments, at regional and European levels.
- Identify the gaps existing among investment instruments and promoting Circular Economy initiatives.

	Investment Instrument type 1	Investment Instrument type 2	
CE Initiative 1	X		GAP
CE Initiative 2		X	
CE Initiative 3	X	X	
CE Initiative 4			

- Identify recommendations for the definition of specific regional and multi-regional measures, to be applied in support of Circular Economy initiatives.



Task 3.4: Methodology proposal – Matching local emerging ideas, and cross-regional value chains with instruments



Task 3.4: Methodology proposal – Matching local emerging ideas, and cross-regional value chains with instruments



Lazio - Circular Economy and Energy fund:  
Instrument targeted to SMEs providing  
subsidies requiring co-financing, with a  
funding rate between 10%-80%, at TRL 6-7,  
on the ROP ERDF- 2014-2020 fund, with a  
funding mix 50% EU, 35% national, 15%  
regional.

Fryslân - Circular Economy Call Fryslân:  
Instrument targeted to SMEs providing  
subsidies requiring co-financing, with a  
funding rate of maximum 40%, at TRL 6-7, on  
regional funds.



Preliminary Considerations

- Although "Existing financial instruments" at regional level are usually applied in isolation, even if they could be partially used to support cross-regional initiatives, there exist recently developed instruments favouring a cross-regional cooperation (e.g. Fund of funds).
- In general, cross-regional cooperation is not reflected in the evaluation of projects.
- The transfer of technologies and solutions from one region to another, among sectors, is usually not supported by specific instruments.
- The "Seal of Excellence" approach is currently only applied only to the SME instrument.
- Only few instruments support the development of innovation infrastructures through ERDF to de-risk by demonstration future industrial investments in circular economy.
- The establishment of a ERA-NET like fund for circular economy would support the development of focused projects originated by the identified SCREEN synergies.
- A cross-regional open innovation initiative may be useful to promote the systematic identification of inter-regional actions, extending the SCREEN methodology beyond the project life.

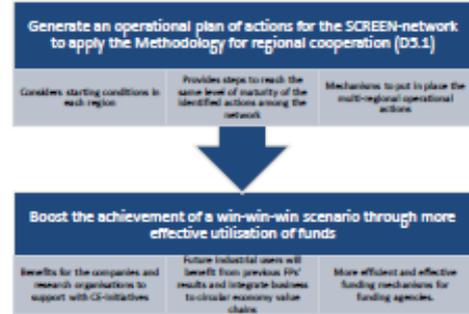




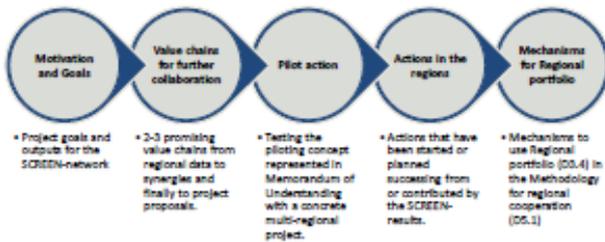
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GOALS AND TARGET



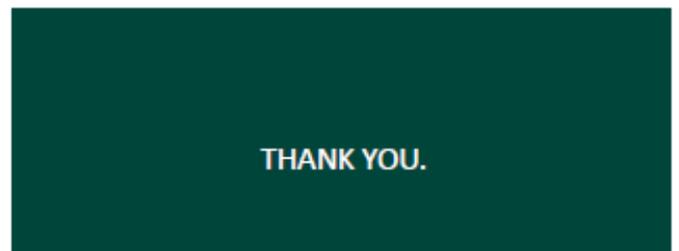
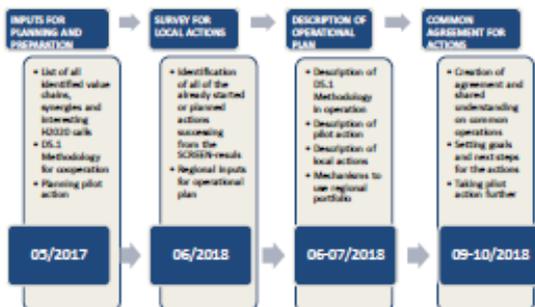
SCHEME FOR OPERATIONAL PLAN



FROM METHODOLOGY TO OPERATION



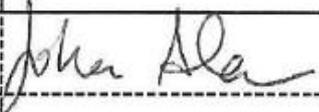
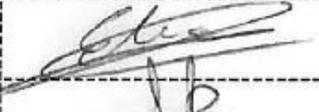
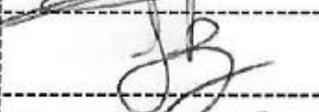
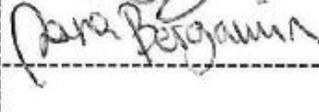
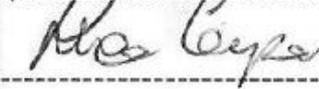
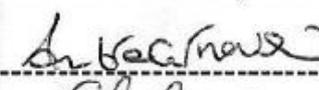
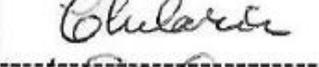
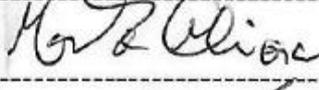
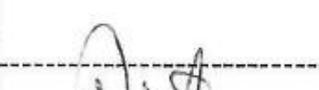
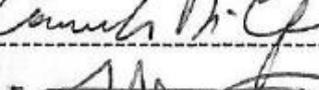
PROCESS TOWARDS AN EXECUTABLE OPERATIONAL PLAN



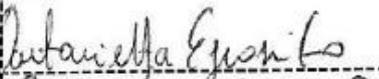
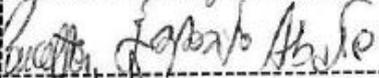
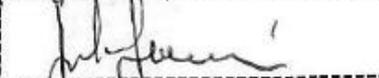
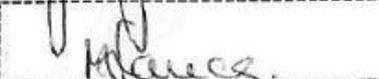
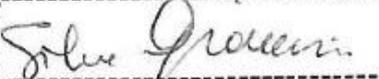
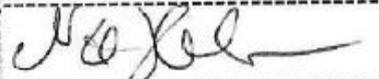
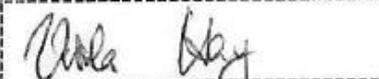
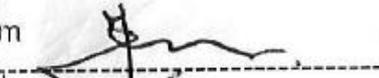
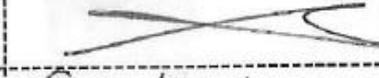
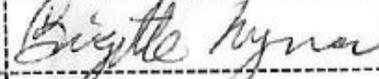
Nillo Halonen  
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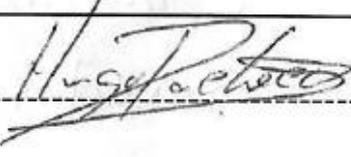
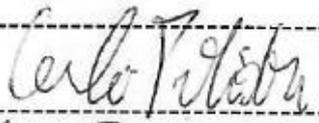
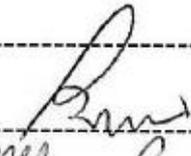
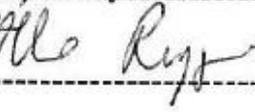
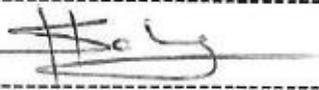
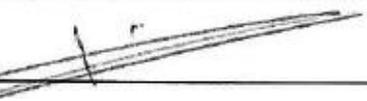
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Name	Surname	Signature	Other event
Johanna	Alakerttula		I'll NOT attend
Johanna	Alakerttula		I'll attend the
ELIAS	ARTIGAS		I'll attend the
Federico	Bastarolo		I'll attend the
Sara	Bergamin		I'll attend the
Mykola	Bohoslavets		I'll attend the
Lukas	Borunsky		I'll attend the
Alessio Maria	Braccini		I'll attend the
Luca	Campadello		I'll attend the
Ambra	Carnevali		I'll attend the
ogdan Alexandru	Chelariu		I'll attend the
Martina	Chiaraluce		I'll attend the
Marcello	Colledani		I'll attend the
Alessandro	Corrado		I'll attend the
Isabel	de Vega Fernández		I'll attend the
MICHAIL	DELIGIANNAKIS		I'll attend the
Carmela	Di Giorgio		I'll NOT attend
Plees	Dirk		I'll attend the
Maes	Dries		I'll attend the

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Name	Surname	Signature	Other event
Antonietta	Esposito		I'll NOT attend
Concetta	Esposito Abate		I'll NOT attend
Paolo	Ferraresi		I'll attend the
Maragrida	Franca		I'll attend the
Neli	Georgieva		I'll NOT attend
Silvia	Giannisi		I'll attend the
Panagiotis	GREDIS		I'll attend the
Nillo	Halonen		I'll attend the
ALBERING	HARMA		I'll attend the
Viola	Hay		I'll attend the
Mikel	Irujo		I'll attend the
Martina	Jaňurová	ic	I'll attend the
Mervyn	Jones	m	I'll NOT attend
Bohdan	Kadlec		I'll attend the
Francisco	López Piñero		I'll attend the
Birgitte	Lyman Rasmussen		I'll NOT attend
Keti	Medarova-Bergstrom		I'll attend the
Philippe	Micheaux Naudet		I'll NOT attend
Irene	Miguelsanz Villanueva		I'll attend the

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Name	Surname	Signature	Other event
Hugo	Pacheco		I'll attend th
Paraskevi	Palaiologou		I'll attend th
Irene	Palomino		I'll attend th
Esteban	Pelayo Villarejo		I'll attend th
Giustino	Piccolo		I'll NOT att
Marcin	Podgórski		I'll attend th
Carlo	Polidori		I'll attend th
Luca	Polidori		I'll attend th
Mathieu	Rama		I'll NOT att
Francesco	Romizi		I'll attend th
Ferdinando	Rossi		I'll NOT att
Alessandro	Ruggieri		I'll attend th
Ana	Sanabria		I'll NOT att
Claude	Scheiber		I'll attend th
atália Susana	Silva		I'll attend th
CARMEN	TORRICO POZUELO		I'll attend th
Valeria	Tudisco		I'll attend th
Koen	Van Keer		I'll attend th
Bart	Volkers		I'll attend th

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**Annex 3: Consensus signatures for video recording**

The event has been video-recorded. According to the SCREEN ethics procedure, all the participants has signed a written consent: (the two persons that refused have been placed in a side chair and the cameraman has been advised to not film them). The full file with all the signatures is available at the VELTHA office (Mr. Carlo Polidori)

<p>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 7303313</p> <p><b>How do we assess projects' circularity?</b>  <b>SCREEN Policy Lab Meeting</b>          30th May 2018 – European Economic and Social Committee-h 09,00-12,30 - Room jde-63</p> <p><b>Consent for Video Recording</b></p> <p>This event will be video recorded and your face may appear in some parts of the video, that will be used for dissemination purpose only. You are kindly requested to give your written consent.</p> <p>I hereby authorize the organizers to video record me for the purpose of dissemination of the SCREEN project. I hereby assign all rights to the release and retention of Video Records of the event. I understand that Video Records will be used for dissemination purposes only. Any other use will require specific written permission</p> <p>Brussels 30-05-2018</p> <p><u>Johanne Makertule</u> Name and surname</p> <p><u>[Signature]</u> Signature</p>	<p>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 7303313</p> <p><b>How do we assess projects' circularity?</b>  <b>SCREEN Policy Lab Meeting</b>          30th May 2018 – European Economic and Social Committee-h 09,00-12,30 - Room jde-63</p> <p><b>Consent for Video Recording</b></p> <p>This event will be video recorded and your face may appear in some parts of the video, that will be used for dissemination purpose only. You are kindly requested to give your written consent.</p> <p>I hereby authorize the organizers to video record me for the purpose of dissemination of the SCREEN project. I hereby assign all rights to the release and retention of Video Records of the event. I understand that Video Records will be used for dissemination purposes only. Any other use will require specific written permission</p> <p>Brussels 30-05-2018</p> <p><u>Charles Scatena</u> Name and surname</p> <p><u>[Signature]</u> Signature</p>
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