



SCREEN

Synergic Circular
Economy across
European regions



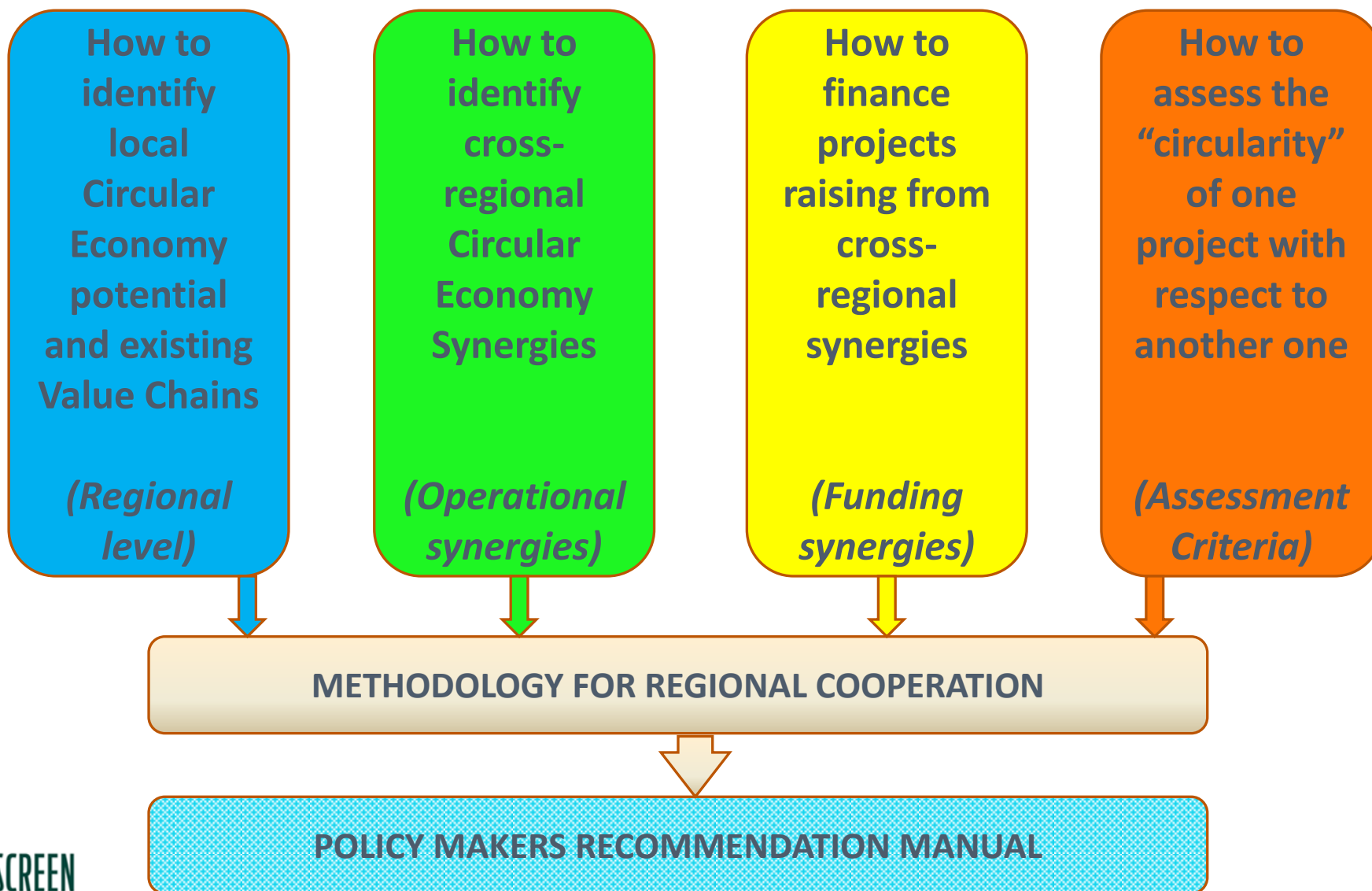
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No730313

Project presentation

Silvia Giannisi – Veltha ivzw

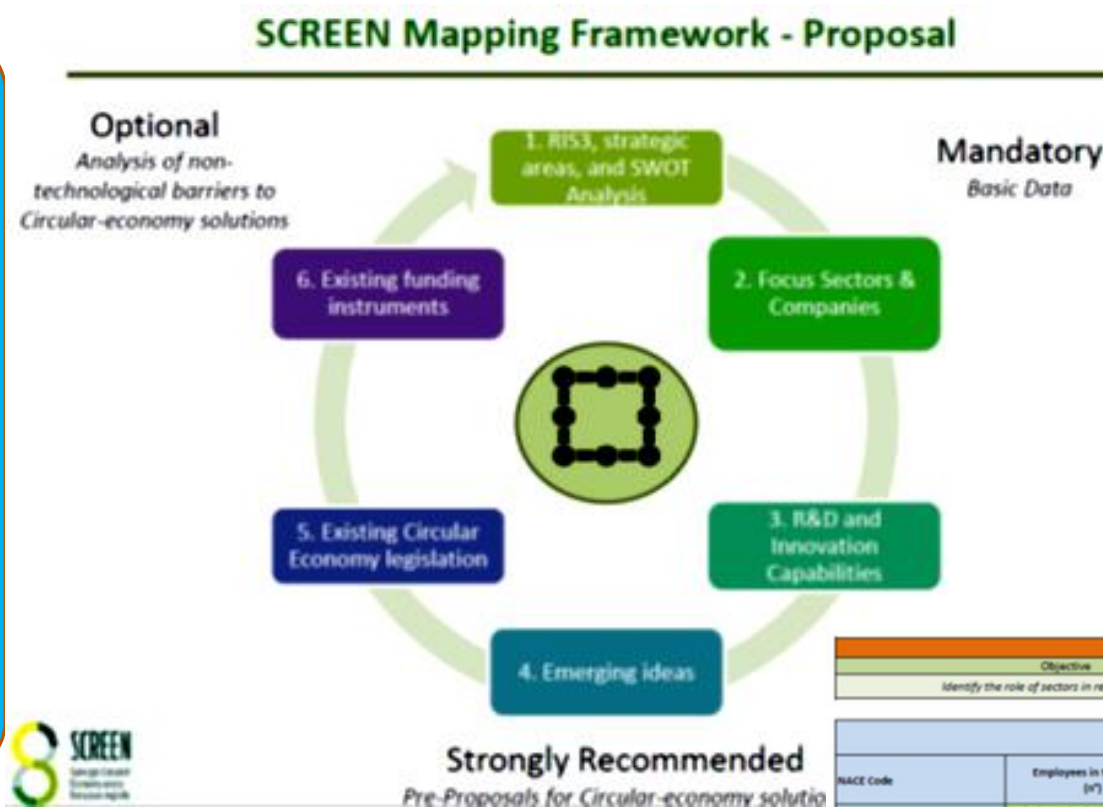


The four steps of the SCREEN project



Tool for the analysis of regional existing capabilities

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



Focus Sectors: Industrial sectorial analysis at regional level						
Objective				Outputs		
Identify the role of sectors in regional economy				A broad understanding of industrial situation to set specific opportunities		
Role in the regional economy					Circular economy	
NACE Code	Employees in the region [N°]	Turnover [M€]	Gross Value Added [M€]	Companies in the region [N°]	Volume of waste generated	Share of waste recycled
A1 - Crop and animal production, hunting and related service activities	Agricultural sector. Aggregated in following the second largest territorial region in Europe 17,000 jobs - 11,57% total employment Livestock, seed technology, fresh produce and food, fruits, vegetables, packaging, machine building, automation and innovation	1.8 billion (Food processing, seedlings and logistics) 800 million (Fruit, vegetables, flowers and plants)	yes	total total	yes	yes
C10 - Manufacture of food products	see A1				yes	yes
C20 - Manufacture of chemicals and chemical products	Chemicals and materials 10,000 jobs, 35% total employment		yes		yes	yes

The first version of this tool and the users'Guide are available at www.screen-lab.eu/deliverables.html (Deliverable D2.1).

SYNERGY GRIDS - A guideline to identify cross regional potential synergies

How to
identify
cross-
regional
Circular
Economy
Synergies

(Operational
synergies)



The first version of this tool is available at www.screen-lab.eu/deliverables.html (Deliverable D2.3) Upgrades are coming!





SCREEN Laboratory on Policies (Policy Lab)

- *16 Participating regions*
- *officers from DG REGIO, DG ENV, DG RTD, DG GROW, EASME,*
- *3 European stakeholders associations: ACR+, ERRIN, EURADA.*

How to
finance
projects
raising
from cross-
regional
synergies

(Funding
synergies)

- Proposal of a synergic use of regional funds (ESIF plus H2020) in a single application
- Memorandum of Understanding (MoU) for a pilot application (common pot) under the current programming period
- MoU opened to other regions , please have a look!
<http://www.screen-lab.eu/policy-lab.html>



Need of common understanding among the involved regions

Assessment criteria for circular economy projects

How to assess the “circularity” of one project with respect to another one

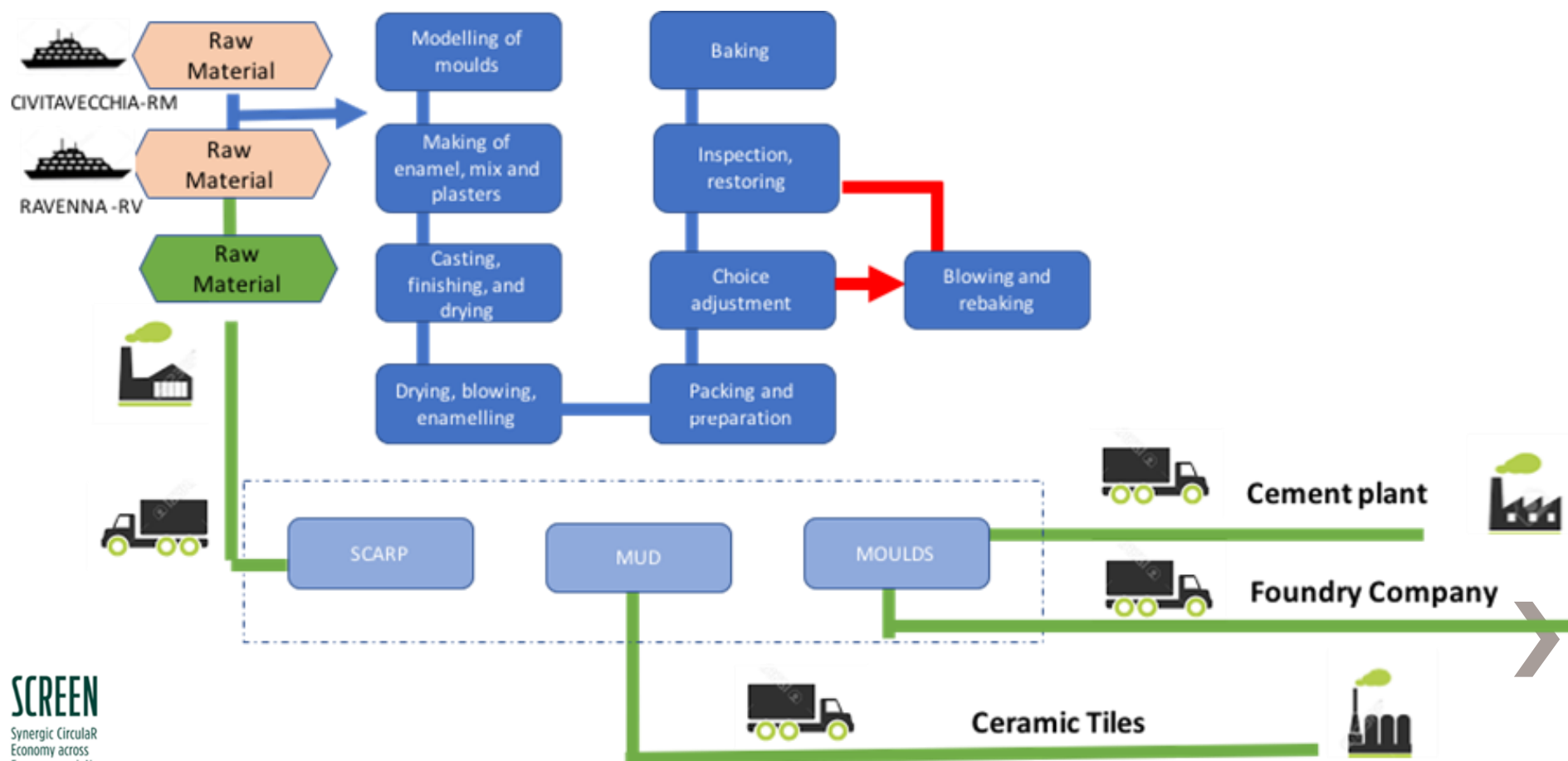
(Assessing Criteria)

	N.	Description	Explanation	Metrics	Additional parameters	Assessment indicator	Weight
Environmental Criteria (choose only one criterion among 1, 2, 3 and 4)	1	Mass of waste resources recovered and re-introduced in <u>the own production cycle</u> , or	Waste recovered is re-used in the same location as a secondary raw material	Kg/year	Economic value of the secondary raw material (€/Kg)	Metrics x additional parameter (€/year)	10
	2	Industrial symbiosis: 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			9
	3	Increase in the recyclability of waste generated, or	Waste recovered is put on the market as a secondary raw material	Kg/year			8
	4	Avoidance of waste generated	The new process generates less waste	Kg/year	Cost of disposal (€/Kg)		7
	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	Kwh/year	Cost of Energy (€/KWh)	Metrics x additional parameter (€/year)	6
	6	Reduction of emissions	The new process has less emissions respect to the old one	CO2 Kg/year (*)		Metrics (CO2 Kg/year)	6
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
Economic Criterion	8	Increase of economic value (lyfe cycle)	Ratio of economic value of the new process respect to the previous one	%		Metrics (%)	6
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
	11	Inclusion of relevant stakeholders education on circular economy					From 1 to 5



How can we cooperate?

1) Through the tool for the identification of Circular Economy value chains





How can we cooperate?

2) Through the participation at the Policy Lab

- Funding Synergies: discussion about the Pilot Action and the future negotiation with the Commission
- The Memorandum of Understanding is open to all the EU Regions! By signing it, your region can participate at the Pilot Action
- Participate at the definition of the assessment criteria for Circular Economy projects

3) Through coordinated dissemination activities

4) Through new applications



Our work is still in progress.....



A replicable systemic approach towards a transition to Circular Economy in EU regions



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Home Partners Project Overview **Policy Lab** Work Packages Deliverables

Welcome to the **SCREEN** project website!

SCREEN aims at the definition of a replicable systemic approach towards a transition to Circular Economy in EU regions within the context of the Smart Specialization Strategy, through the identification and implementation of operational synergies between R&I investments from H2020 and the European Structural and Investment Funds thus contributing to novel future eco-innovative and horizontal business models across different

 **Main Events & News**

FIRST INTERNATIONAL WORKSHOP - Milano, 28th June 2017
Download agenda



Silvia Giannisi- VELTHA ivzw
silvia.giannisi@telenet.be

STAY TUNED!

www.screen-lab.eu