



REPLACE 2nd Webinar

Ferdinando Rossi

REPLACE Project manager – Lazio Region
ferdinando.rossi@regione.lazio.it

Emanuele Rotili

REPLACE Financial manager – Lazio Region
e.rotili@regione.lazio.it

Sara Bergamin

REPLACE Communication manager – Veltha
sarabergamin.sb@gmail.com

AGENDA

- **State of the art of REPLACE project**
Ferdinando Rossi (REPLACE project manager)
- **Financial Matters**
Emanuele Rotili (REPLACE financial manager)
- **Introduction on Cross Regional Synergies**
Sara Bergamin (REPLACE communication manager)
- **Steering Committee**

1st SEMESTER REPORT



**REPORT SUBMITTED ON
18/05/2020**



SCREEN Synergic Circular
Economy across
European regions

SCREEN

4 pillars

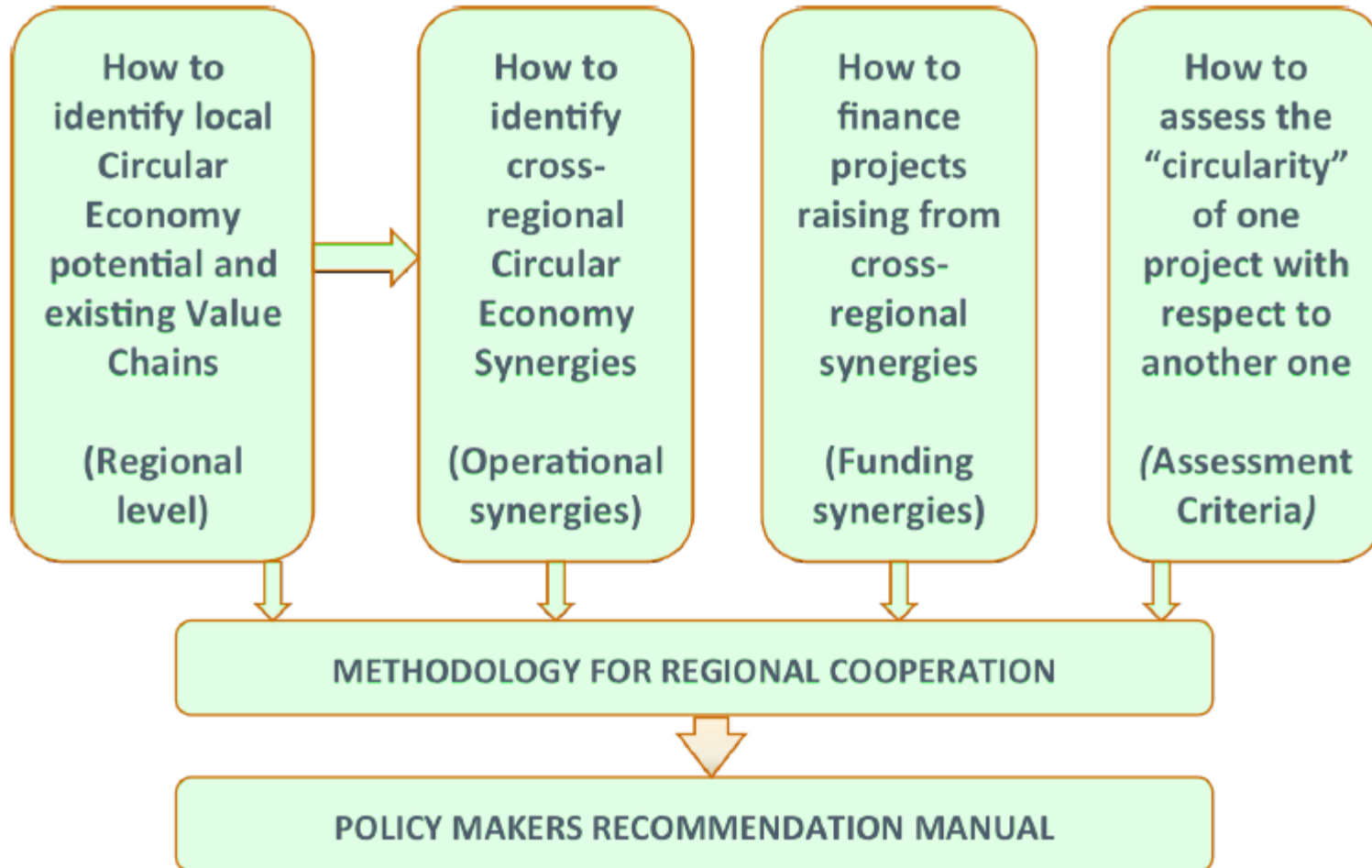
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Cross-Regional Synergies

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STEP 1: Local Analysis

Not yet concluded



Data Collection to achieve a mutual understanding of existing regional capabilities and smart specialization areas.

Sharing a **common knowledge basis** is a **pre-condition** for the identification of potential regional and cross-regional links leading to new circular opportunities.

Cross-Regional Synergies

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STEP 1: Local Analysis

Not yet concluded



Meeting via Zoom on 25 of June 2020 at 11.00 to monitor progress,

AT LEAST ONE FOCUS SECTOR PER REGION

Presentation of Benchmark methodology by Fryslan

Cross-Regional Synergies

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SCREEN Mapping tool area	Objective	Expected Output
1. RIS 3, strategic areas, SWOT analysis	Highlight the most strategic innovation areas in the Region in view of supporting the transition to Circular Economy.	SWOT analysis of the Regional capabilities, understanding of the RIS3 areas related to Circular Economy.
2. Focus sectors and companies	Identify the role of sectors in the regional economy and highlight the maturity level of sectors towards Circular Economy.	A broad understanding of the industrial ecosystem of the Region.
3. Research, Development and Innovation Capabilities	Create a Circular Economy oriented overview of research, innovation, development and education capabilities	Map of existing expertise in the Region, able to drive innovation in Circular Economy.
4. Emerging Ideas	Map the emerging innovation ideas in the region	List of emerging ideas to be considered in each Region.
5. Existing Circular Economy Legislation	Map sector-specific legislation and policies	List of implemented regulations and policies
6. Existing Funding Instruments	Review of the existing portfolio of funding instruments for supporting Circular Economy innovations	List of funding instruments at regional level

Cross-Regional Synergies

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OBJECTIVE: identify possible area of collaboration among regions



Regions act as facilitator, building on the Local Analysis results, to identify potential for sectoral collaboration.

Synergies exploiting existing capabilities to create complementarities

Cross-regional Synergies

➤ **Aligned with the Smart Specialization Strategy**

➤ **Sectors with the most potential**

➤ **Potential:**

- Capabilities within the region
- Companies
- Technology available
- Emerging ideas

Cross-regional Synergies

POTENTIAL SYNERGIES FOCUSING ON:

 **R&D** based on research and development and innovation capacity

 **BUSINESS** based on companies

 **HUMAN CAPITAL** based on education

Cross-Regional Synergies

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Synergies and Complementarities



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- **SUPPORT OFFERED**

region has sufficient/high level of capabilities and could support other regions

- **SUPPORT NEEDED**

Region has no/limited capabilities and needs collaboration to develop

The Approach

Twofold approach:

- **Data driven:** exploit the available information to identify emerging and currently unexploited local and cross-regional synergies,
- **Interaction-driven:** specific workshops at local and cross-regional level, to drive a discussion towards the identification of cooperation areas and innovation needs

At first a **Syntesis**, based on the data,
Then a **Facilitator** role

SCREEN outputs: Lazio

Table 19. Lazio: overview of collected data

Steps (mapping tool)	Overview of collected data
RIS 3 Strategic Areas (step 1.1)	Six S3 areas of specialization: aerospace e security, life sciences (pharmaceutical and medical devices), cultural heritage and cultural technologies, digital creative industries, agri-food, green economy (green and smart building, technologies for the generation of renewable energy, ecosystem services and regulation, efficient use of resources treatment and processing of waste, industrial symbiosis)
SWOT Analysis (step 1.2)	A complete SWOT Analysis focused on the economic, regulatory, environmental, and social macro areas
Focus Sectors (step 2.1)	Three focus sectors with economic data but no waste data: <ul style="list-style-type: none"> - Manufacture - Creative and digital industries - Cultural heritage and cultural technologies
Focus Sectors: Companies (step 2.2)	23 firms
Capabilities view (step 3)	Eight regional funded projects, one national funded research project, and three EU funded research projects
R&D Capabilities (step 3.1)	Four universities and two research centres
Innovation Capabilities (step 3.2)	No data available
Education Capabilities (step 3.3)	Eight universities offering courses in agri-food, agronomy, biology, chemistry, engineering, environmental management, sustainability covering both the levels of bachelor, master's and PhD
Emerging Ideas (step 4)	Eight prospected innovation ideas
Existing Circular Economy Legislation (step 5)	No data available
Existing Funding Instruments (step 6)	No data available

SCREEN outputs: La Reunion

Table 3. La Reunion: overview of collected data

Steps (mapping tool)	Overview of data provided
RIS 3 Strategic Areas (step 1.1)	Three areas of specialisation: <ul style="list-style-type: none"> - Tropical Bio-economy - Experiential ecotourism - Resilient – low-carbon – economy
SWOT Analysis (step 1.2)	A general SWOT Analysis without a specific reference to the strategic areas specified in step 1.1
Focus Sectors (step 2.1)	The Region presents a list 13priority: <ul style="list-style-type: none"> - Crop and animal production - Forestry and logging - Fishing and aquaculture - Manufacture of food products - Manufacture of beverages - Accommodation - Food and beverage service activities - Construction of buildings - Architectural and engineering activities - Electricity, gas, steam, and air conditioning supply - Water collection, treatment and supply - Waste collection, treatment and disposal activities - Services to building and landscape activities
Focus Sectors: Companies (step 2.2)	12 firms
Capabilities view (step 3)	10 projects, 2 of which funded by EU resources, 7 funded by national funding, one without further specifications.
R&D Capabilities (step 3.1)	Two laboratories and one joint research centre all belonging to the University of Reunion Island
Innovation Capabilities(step 3.2)	No data available
Education Capabilities (step 3.3)	Three courses offered by the University of Reunion Island, one at the bachelor level and two at the master level.
Emerging Ideas (step 4)	Seven different emerging ideas
Existing Circular Economy Legislation (step 5)	No data available
Existing Funding Instruments (step 5)	No data available

SCREEN outputs: Fryslan

Steps (mapping tool)	Overview of collected data
RIS 3 Strategic Areas (step 1.1)	Two areas of specialization: <ul style="list-style-type: none"> - Water technology - Agri-food & Dairy
SWOT Analysis (step 1.2)	A complete SWOT analysis spanning the economic, environmental, social, and regulatory data
Focus Sectors (step 2.1)	Two priority sectors: <ul style="list-style-type: none"> - Water collection, treatment and supply - Crop and animal production, hunting and related service activities <p>The companies listed by the region are also active on other industries:</p> <ul style="list-style-type: none"> - Sewerage (close to water technology) - Manufacture of food products (close to Agri-food) <p>In the emerging ideas the regions seek to involve further industries in prospected innovations:</p> <ul style="list-style-type: none"> - Construction; - Electricity, gas, steam and air conditioning; - Manufacture of paper and paper products; - Manufacture of chemicals and chemicals products.
Focus Sectors: Companies (step 2.2)	5 firms
Capabilities view (step 3)	No data available
R&D Capabilities (step 3.1)	Five institutions including two universities, two centre of expertise, and one dairy campus
Innovation Capabilities (step 3.2)	Eight existing pilot plants, seven of which specialised on water treatment, and one on recycling (closed loop)
Education Capabilities (step 3.3)	Five education institutions with courses at bachelor, master, MBA level, also non-academic degrees
Emerging Ideas (step 4)	10 projects
Existing Circular Economy Legislation (step 5)	No data available
Existing Funding Instruments (step 5)	One action plan on Water (Noordelijke Innovatie Agenda)

SCREEN outputs: Centro

Steps (mapping tool)	Overview of data provided
RIS 3 Strategic Areas (step 1.1)	Seven areas of specialisation <ul style="list-style-type: none"> - Agro-business - Forestry - Sea - ICT - Materials - Biotechnology - Tourism
SWOT Analysis (step 1.2)	A complete SWOT analysis focusing on the environmental, economic, social, and regulatory aspects
Focus Sectors (step 2.1)	Several sectors belonging to the following NACE macro-codes: <ul style="list-style-type: none"> - Agriculture, farming of animals, hunting and forestry - Mining and quarrying - Manufacturing - Electricity, gas, steam, cold and hot water and cold air - Water collection, treatment and distribution; sewerage, waste management and remediation activities - Construction - Wholesale and retail trade; repair of motor vehicles and motorcycles - Transportation and storage - Accommodation and food service activities - Administrative and support service activities - Other service activities
Focus Sectors: Companies (step 2.2)	22 firms
Capabilities view (step 3)	15 projects all funded by the EU
R&D Capabilities (step 3.1)	Three University and two Polytechnics
Innovation Capabilities (step 3.2)	Ten facilities
Education Capabilities (step 3.3)	Five PhD courses and six master's courses
Emerging Ideas (step 4)	No data available
Existing Circular Economy Legislation (step 5)	National Action Plan for Circular Economy – Potential plan under analysis
Existing Funding Instruments (step 6)	One action plan named PT2020

SCREEN outputs: Crete

Steps (mapping tool)	Overview of collected data
RIS 3 Strategic Areas (step 1.1)	Three areas of specialization: <ul style="list-style-type: none"> - Agro-alimentary - Culture and tourism - Environment
SWOT Analysis (step 1.2)	A general SWOT analysis referred to the strategic areas of specialisation but with no specific reference on any of the areas requested
Focus Sectors (step 2.1)	The Region presents a list 10 sectors in the regional economy with the following details in terms of data: <ul style="list-style-type: none"> - Employees in the region (2014) - Gross Value Added
Focus Sectors: Companies (step 2.2)	11 firms
Capabilities view (step 3)	A list of 31 projects out of which: <ul style="list-style-type: none"> - 12 funded by the EU - 3 funded by national sources - 4 self-funded - 2 funded by regional sources - 5 self-funded - 4 funded with other – unspecified - sources
R&D Capabilities (step 3.1)	5 departments of the Technological Educational Institute of Crete -TEIC and the Technical University of Crete
Innovation Capabilities (step 3.2)	The data are not consistent
Education Capabilities (step 3.3)	Four Master's level courses and two undergraduate level courses
Emerging Ideas (step 4)	Nine different emerging ideas (four on agri-food sector and five on culture and tourism)
Existing Circular Economy Legislation (step 5)	No data available
Existing Funding Instruments (step 6)	No data available

SCREEN outputs: Lodzkie

Steps (mapping tool)	Overview of collected data	
RIS 3 Strategic Areas (step 1.1)	<p>Two areas of specialisation:</p> <ul style="list-style-type: none"> - Innovative agriculture and agri-food industry - Energy <p>Further areas are mentioned in relation to the development strategy of the Lodzkie Region 2020:</p> <ul style="list-style-type: none"> - Biotechnology - Mechatronics - Nanotechnology and functional materials - Communication and information technology 	
SWOT Analysis (step 1.2)	No data available	
Focus Sectors (step 2.1)	<p>The region declares the following focus sectors:</p> <ul style="list-style-type: none"> - Manufacture of: textiles, chemicals and chemical products, food, electrical equipment, basic pharmaceutical products and pharmaceutical preparations - Mining of coal and lignite - Electricity, gas, steam and air conditioning supply - Computer programming, consultancy and related activities <p>- The region provided no ex employees, turnover, gross v companies) and circularity pot share of recycle)</p>	
	Focus Sectors: Companies (step 2.2)	Five companies
	Capabilities view (step 3)	No data available
	R&D Capabilities (step 3.1)	One university with seven departments enrolling 88 researchers
	Innovation Capabilities (step 3.2)	No data available
	Education Capabilities (step 3.3)	One university offering courses at all levels (bachelor, master's, PhD, and other types of courses) in different branches of engineering (safety, chemical and biochemical, and environmental)

SCREEN outputs

List of Deliverables containing already processed relevant information

- D5.1
- D5.3
- D2.2
- D2.3

<http://www.screen-lab.eu/deliverables.html>

REPLACE can build on the already available knowledge and discuss in Crete about cross-regional potentialities.

**The lesson of SCREEN projects: stakeholder engagement
In semester 3 stakeholders meetings are planned:
target stakeholders**

COMMUNICATION TEAM

- ➔ **Stakeholder engagement**
- ➔ **EURegionsWeek**
- ➔ Web meeting to organize the work (first week of July)
- ➔ We are preparing the leaflet, we will send you for translation

Policy Lab



REPLACE participation in the new Policy Lab



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Laboratory on Policies for a Circular Economy

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Policy Lab for a Europe made by Circular Regions

Steering Committee

MATTER

REPLACE web meeting confirmed (local analysis + benchmark)	25 June 2020
Date for the Communication Team Organizational Meeting	1° week of July 2020
Event in Crete (3 days) + circularity tour	06-07-08 of October 2020
Event in La Reunion (4 days) + circularity tour	8 to 11 December 2020 Suggested to land one day earlier to recover jet-leg
Preparation of a revised implementation plan for the 3° semester to be discussed on next online meeting	
Participation in SCREEN Policy Lab	



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Thank you!

Questions welcome



Project smedia