



DigiPrime

DIGITAL PLATFORM FOR CIRCULAR ECONOMY IN
CROSS-SECTORIAL SUSTAINABLE VALUE NETWORKS

Circularity tour: Replace meeting Brussels 11/03/22

Presentation of DigiPrime and Pilot 5:

Cross regional value chain identification and open innovation services



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framework programme
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- 36 European organizations from 11 EU states;
- 6 manufacturing sectors;
- 25 **industrial partners**, 18 of which are SMEs;
- 8 **academic and research partners**.

CALL

H2020-DT-ICT-07- 2018-2019

Digital Manufacturing Platforms for Connected Smart

Factories

BUDGET

Project costs: 19.257.130,00€

Funding: 15.963.173,50€

DURATION

January 2020 – Dec 2024

OBJECTIVE

To develop a new concept of Circular Economy digital platform overcoming current information asymmetry among value-chain stakeholders, in order to unlock new circular business models based on the data-enhanced recovery and re-use of functions and materials from high value-added post-use products with a cross-sectorial approach.



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The 4 Value Chain Oriented services targeted at regional officers

Pilot 5: Cross regional value chain identification and open innovation services

Service 3.6 "Cross regional value chain identification"

Service 3.7 "Material flow monitoring
and aggregated system oriented
KPIs"

Service 3.8 "Circular Innovation Hubs Integration"

Service 3.9 "Barrier Identification and
Legislation support "

Main source

Overall framework for Service 3.6

Policy instruments

Digitalization of the services



2016-2018: participated by 17 EU Regions. Validated methodologies and tools

REPLACE
Interreg Europe



2019-2023: 8 EU Regions. Actual implementation of the SCREEN methodologies in their policy instruments for the next programming period



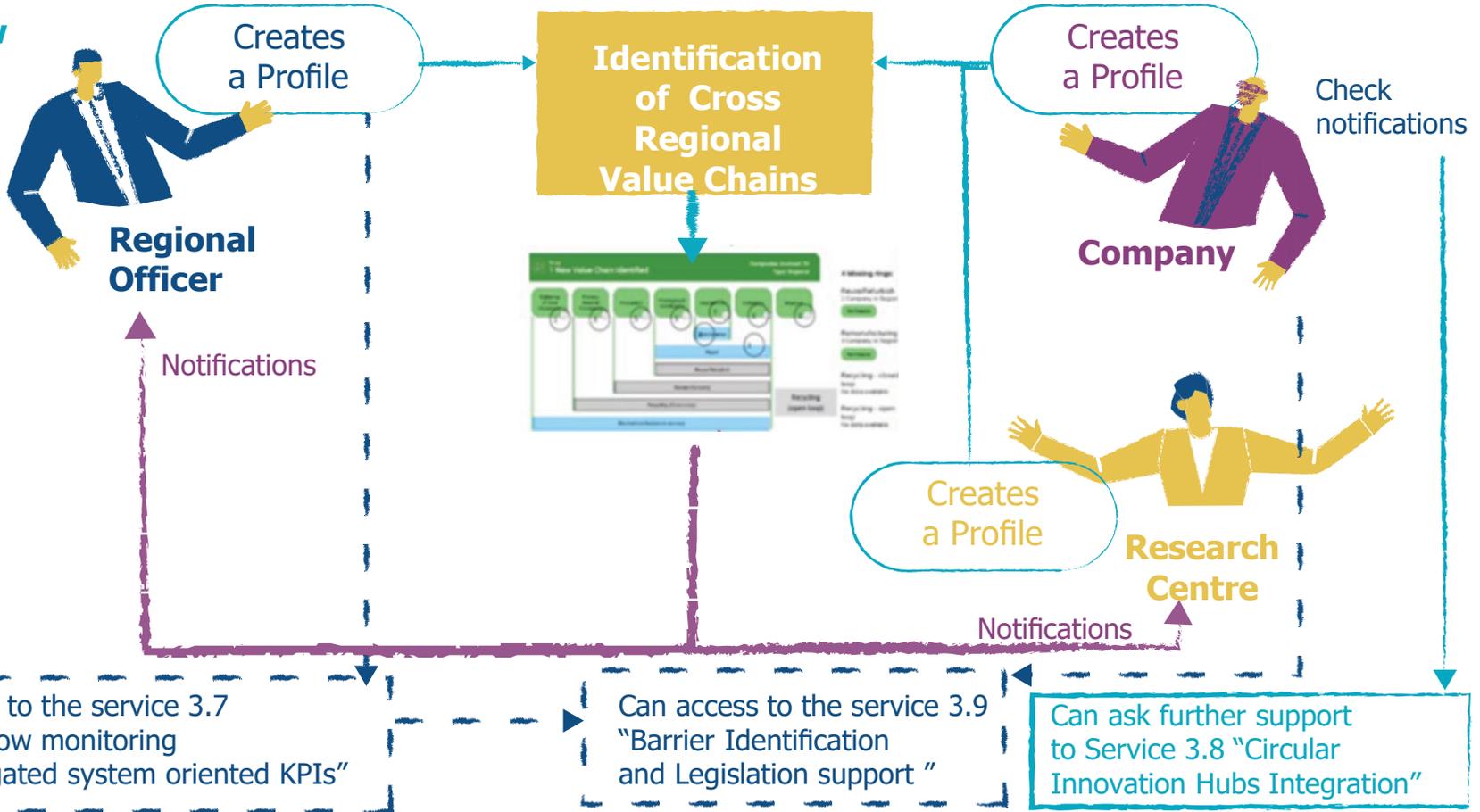
DIGITAL PLATFORM FOR CIRCULAR ECONOMY IN CROSS-

2020-2023: 25 companies, including 18 SMEs. SCREEN tools inserted into a Pan-European digital platform

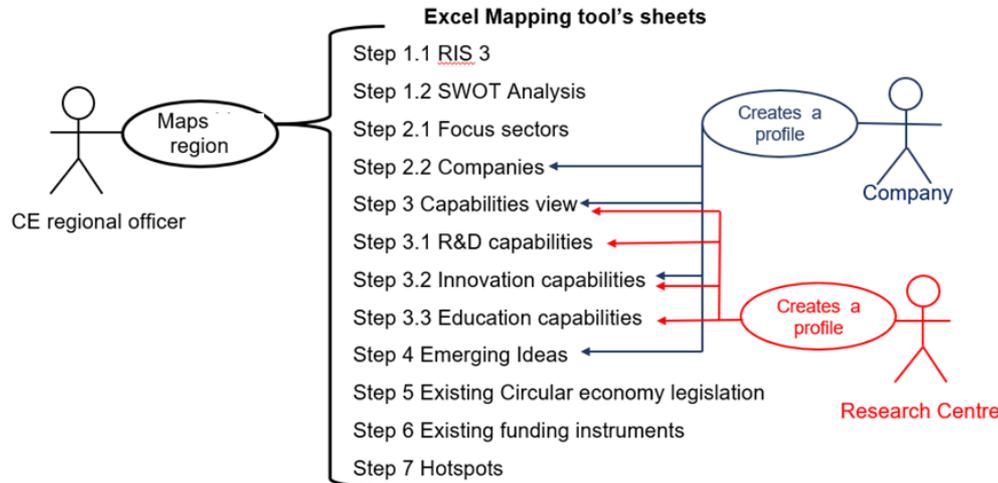
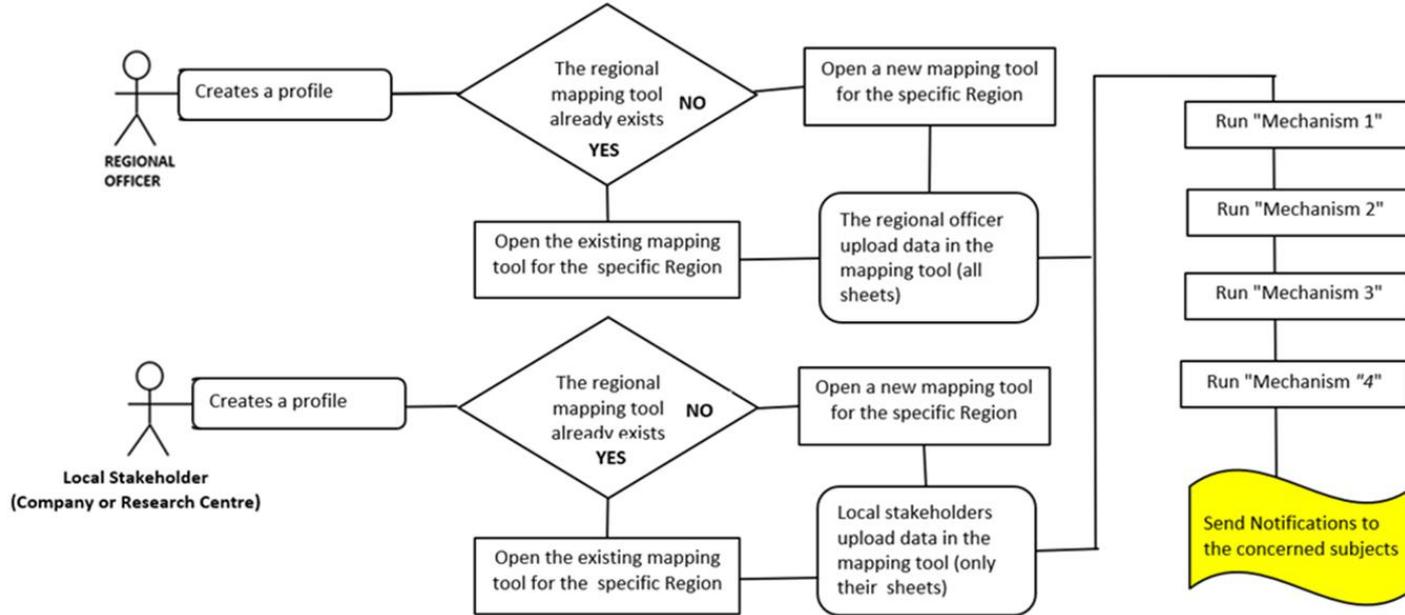
Service 3.6 Cross Regional Value Chain Identification

Overview

Check notifications



Service 3.6 Cross Regional Value Chain Identification





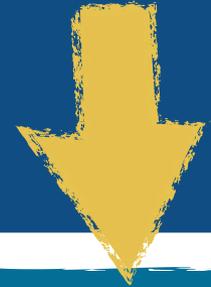
Isabel: a regional officer in charge for circular economy

**Example of how to benefit from
using the platform**



Isabel's Profile

She belongs to a Region without a circular economy policy, with the sole exception of some waste management



Recently appointed as leader of circular economy team in the regional administration



She needs to define which sectors should be mainly supported through regional programmes



3.6 Identification of cross-regional value chains to boost regional innovation

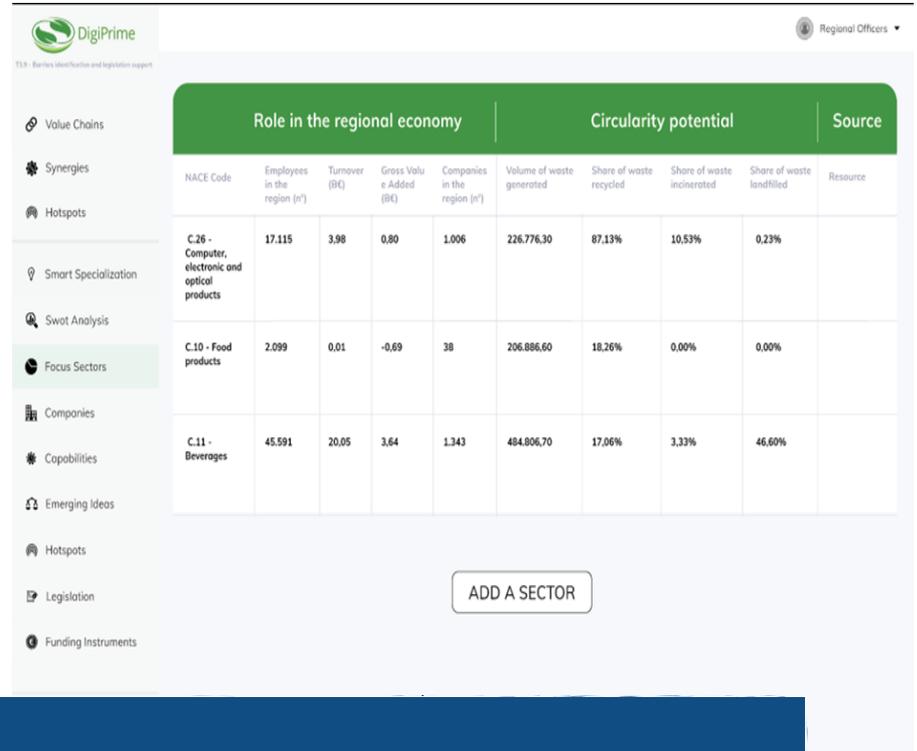
Which Region do you represent?

You've selected "Lazio" Region

As a regional representative, you are asked to fill in the following data sheets:
 (Steps' numbering refers to the SCREEN methodology at the basis of this Service and described in the document (Link to <http://xxx.xx>))

- Step 1.1 RIS 3
- Step 1.2 SWOT Analysis
- Step 2.1 Focus sectors
- Step 2.2 Companies
- Step 3 Capabilities view
- Step 3.1 R&D capabilities
- Step 3.2 Innovation capabilities
- Step 3.3 Education capabilities
- Step 4 Emerging Ideas
- Step 5 Existing Circular economy legislation
- Step 6 Existing funding instruments HOTSPOTS

The precision and reliability of the output depends on the quantity and reliability of data you are going to input



3.6 - Barriers identification and legislation support

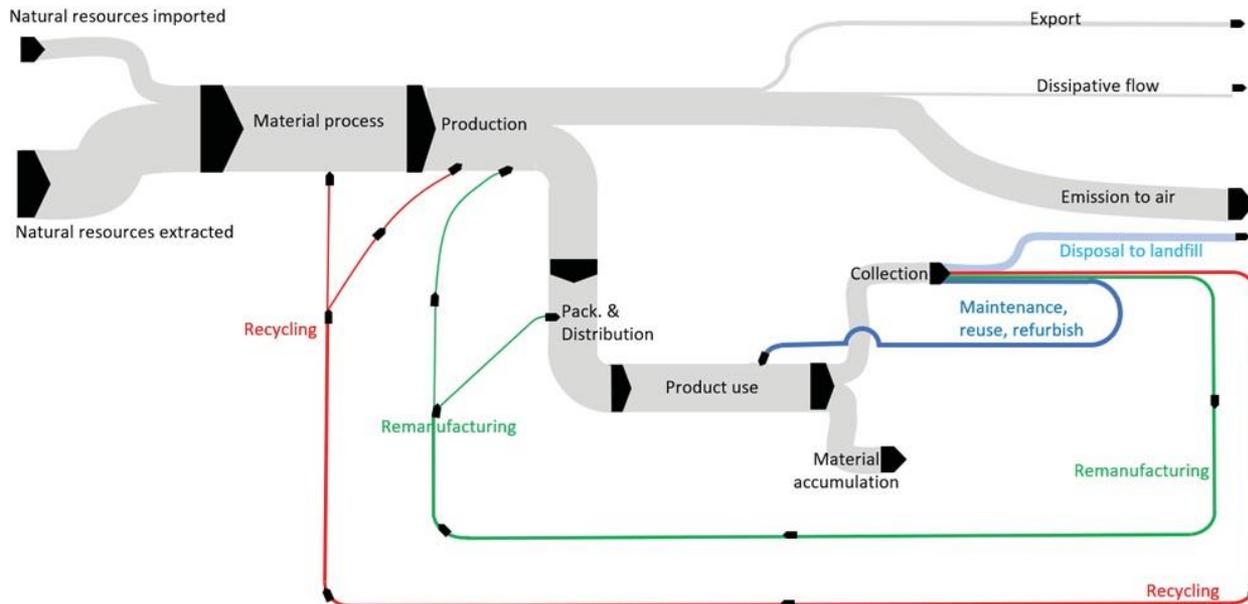
Regional Officers

Role in the regional economy					Circularity potential				Source
NACE Code	Employees in the region (n°)	Turnover (B€)	Gross Value Added (B€)	Companies in the region (n°)	Volume of waste generated	Share of waste recycled	Share of waste incinerated	Share of waste landfilled	Resource
C.26 - Computer, electronic and optical products	17.115	3.98	0.80	1.006	226.776.30	87.13%	10.53%	0.23%	
C.10 - Food products	2.099	0.01	-0.69	38	206.886.60	18.26%	0.00%	0.00%	
C.11 - Beverages	45.591	20.05	3.64	1.343	484.806.70	17.06%	3.33%	46.60%	

ADD A SECTOR

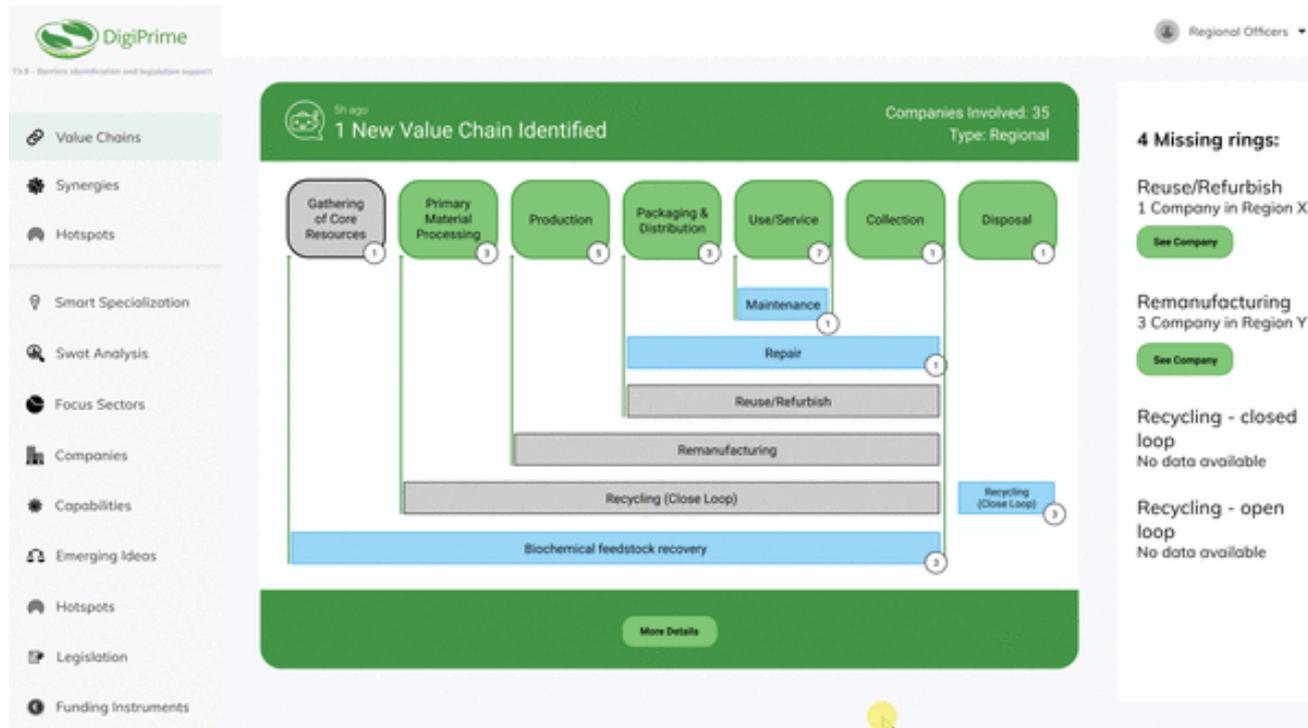
Through the service 3.6 she fills in the mapping tool and obtains a dashboard with a complete overview of the regional situation

She has to indicate which sectors should be mainly supported



Through the service 3.7 looks at the materials flows in her region

Service 3.6 gives her notification of and existing and potential circular value chains in her region

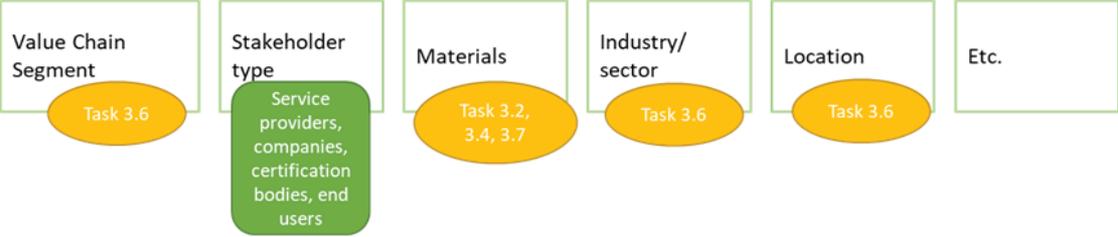


As well as opportunities for cross-regional circular synergies

The most promising notifications can be further in-depth investigated through the service 3.8

Draft Framework – Starting point for mock-up: Circular Innovation Hubs integration

Level 1: Project-level support: Connecting hubs
 Project level support in integration of hubs, e.g., support to specific companies for specific projects by connecting them to different hubs of service providers



Level 2: Information intelligence across projects: Collaboration around partnerships and their operations (supply and demand when approaching a partnership)
 Generating data and information across projects to help improve the functioning of the network, e.g. descriptive statistics, geographic information, sectoral coverage, differences in sizes & sectors covered, types of needs, etc.



Thanks to the **DigiPrime** services, Isabel is now able to define the supporting regional policy to specific target sectors.





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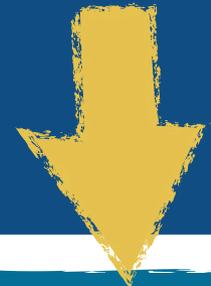
John: a city manager approaching circular economy

**Example of how to benefit from
using the platform**



John's Profile

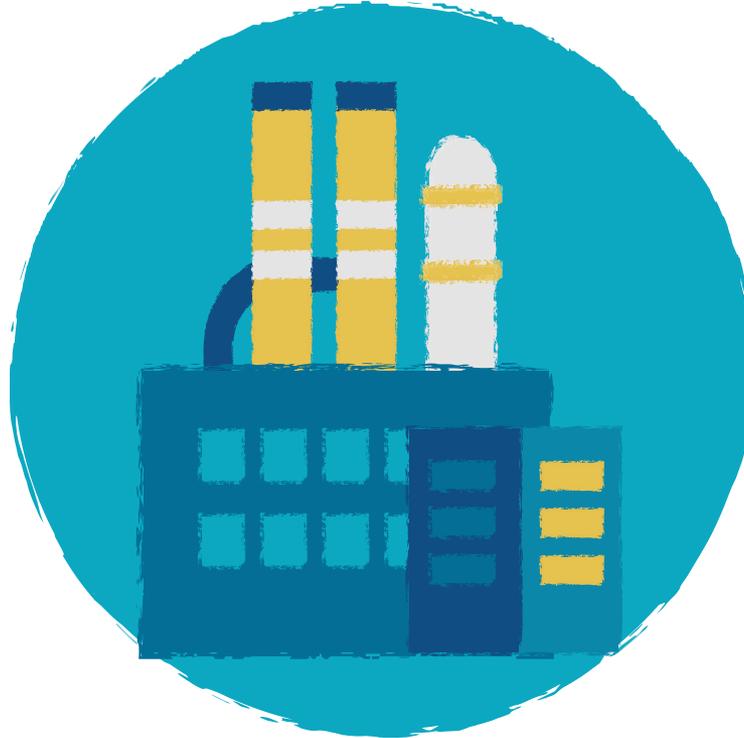
He has a good knowledge of circular economy practices



His plan is to shift from "city waste management" to "circular entities valorisation"



Local stakeholders are in general interested, but there is a lack of "stimulus"



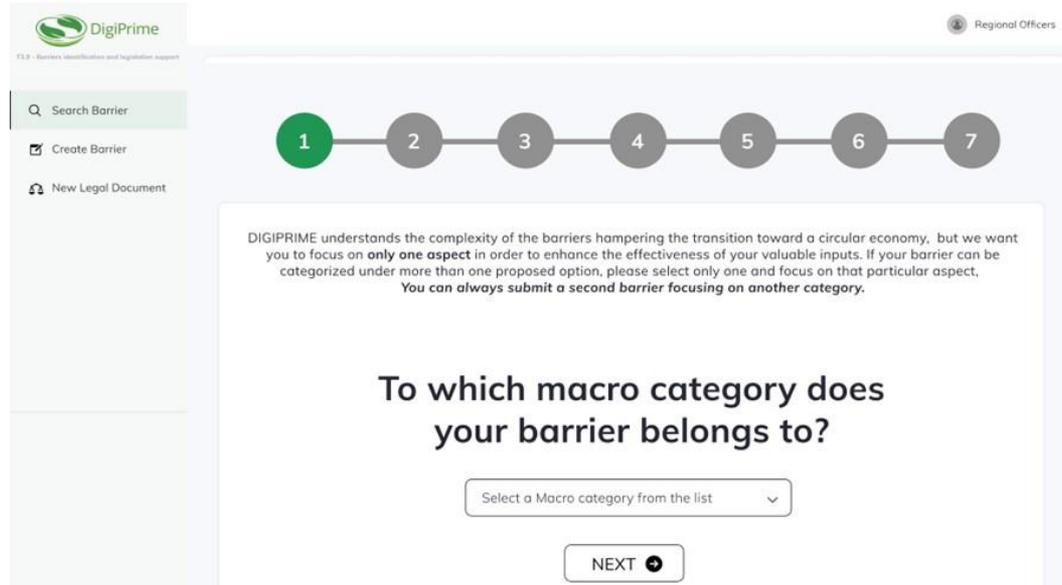
Several companies operating in the city report too much administrative barriers

John was informed about the DigiPrime service 3.9 “Barriers’ identification and legislation support”

-Barrier Identification	barrier submission and notification to relevant policy maker
-Solution Proposition	propose solution to policy maker
-Operative Solution	submission and notification of operative solutions allowing to operatively overturn an ineffective legal framework
-Solution of Barrier	solution submission and notification system
-Private Sectors Collab	join barrier, browse: barriers, proposed solutions and operative solution
-Collab Public/Private	chat exchange, proposed solution collection, notification of solution
-Privacy	identification info and data not collected and not shared

He register the City to the Platform and asks all stakeholders to register themselves.

Private companies can now interact in an anonymous way with the administration



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Regional Officers

73.0 - Barriers identification and legislation support

Search Barrier

Create Barrier

New Legal Document

1 2 3 4 5 6 7

DIGIPRIME understands the complexity of the barriers hampering the transition toward a circular economy, but we want you to focus on **only one aspect** in order to enhance the effectiveness of your valuable inputs. If your barrier can be categorized under more than one proposed option, please select only one and focus on that particular aspect.
You can always submit a second barrier focusing on another category.

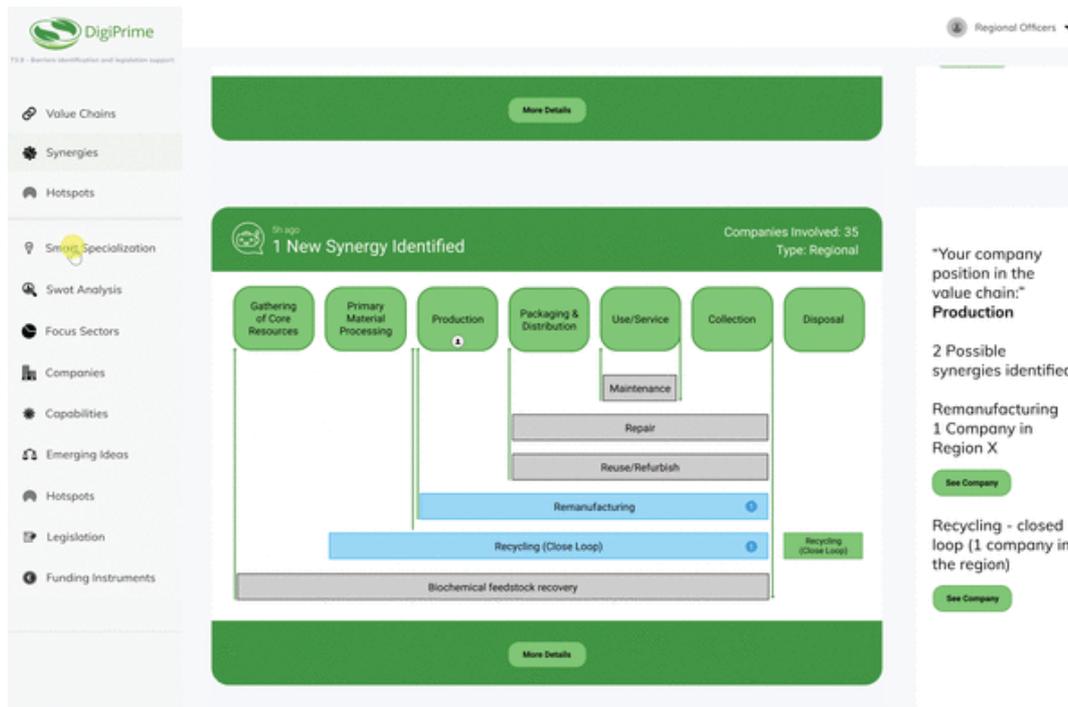
To which macro category does your barrier belongs to?

Select a Macro category from the list

NEXT

Reporting the administrative barriers and suggesting solutions

Companies registered to the service 3.9 "surf" among the other platform services and discover service 3.6, which directly notifies them about potential circular synergies



What does pilot user imply and what happens next?

- **European-wide visibility, right away;**
- **Ability to influence the development of a platform that supports the circular economy (central theme for the EU in the coming years) with its own requirements needs**

- **Have access to the platform and use of DigiPrime services for free for the next 2 years**
- **Discounts on any paid plans.**
- **Opportunity to create your own instance of the platform to support your network.**

- **Start mapping service 3.6 through the existing excel file**
- **Scheduling meetings with me for further extensive information**