



DEVELOPED BY



Financing circular economy: the Strategic Research and Innovation Agenda (SRIA) developed within the CICERONE Project

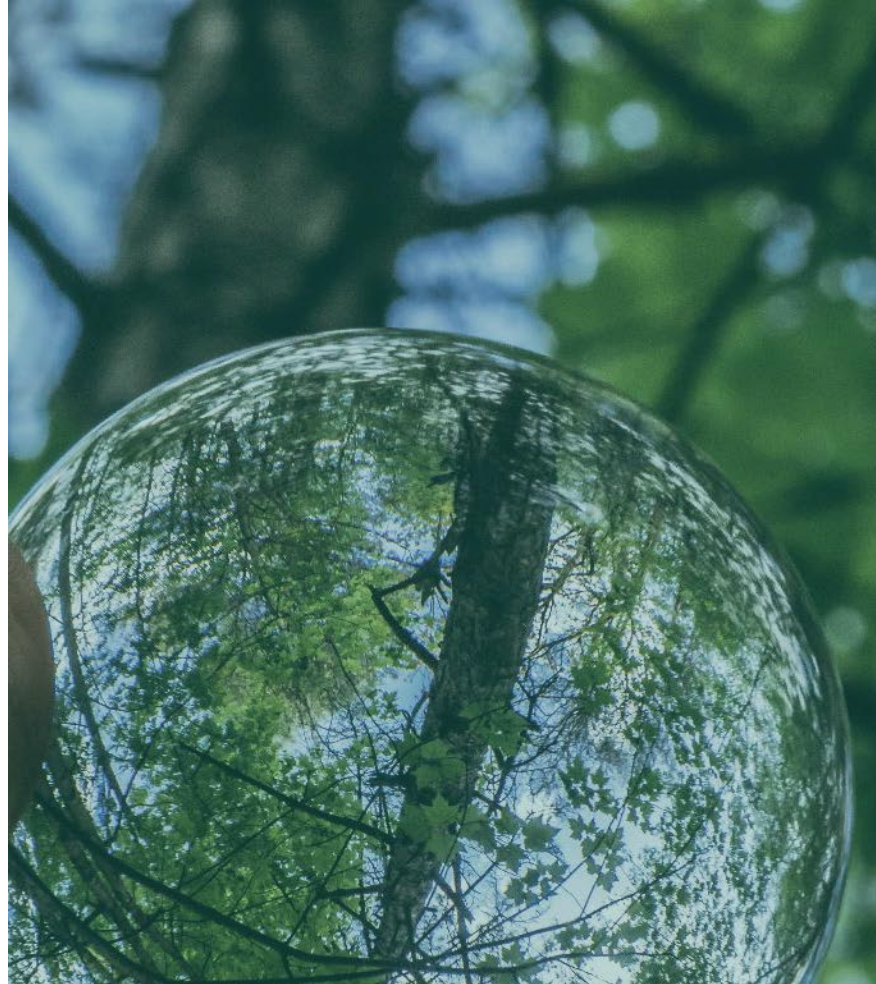
Roberta De Carolis, ENEA

Winter school KIC RM 16th November 2020





Circular businesses and projects are fragmented, making international synergies difficult



And it has become more and more apparent that joint programming is a must to optimise impact

European Commission:

“Fragmentation of scarce resources, difficulties in implementing international synergies without a joint platform and lack of institutionalized outreach throughout Europe all hamper progress towards achieving common EU objectives”

Horizon 2020 CE-SC5-05-2018



**CICERONE is developing
the strategic
coordination of
objectives and
programming of
regional, national and
European funding
programmes**





State of the art

Assessing and benchmarking the current performance of circular economy research & innovation funding in Europe.



Strategy

Establishing an efficient and inclusive mechanism to jointly define and prioritise circular economy research & innovation priorities at European scale.



Platform

Building and testing a lasting organisation and pathways to reach the desired impact, translated into a joint programming platform for programme owners.



Partners

CICERONE was designed and is being implemented by **24 partners** from a variety of organisations across Europe - thus providing a well-rounded, holistic pathway to advance the **EU's switch to a circular economy.**





bluenove
opening organizations:



ENEA



LGi
sustainable innovation



TNO innovation
for life

uefiscdi



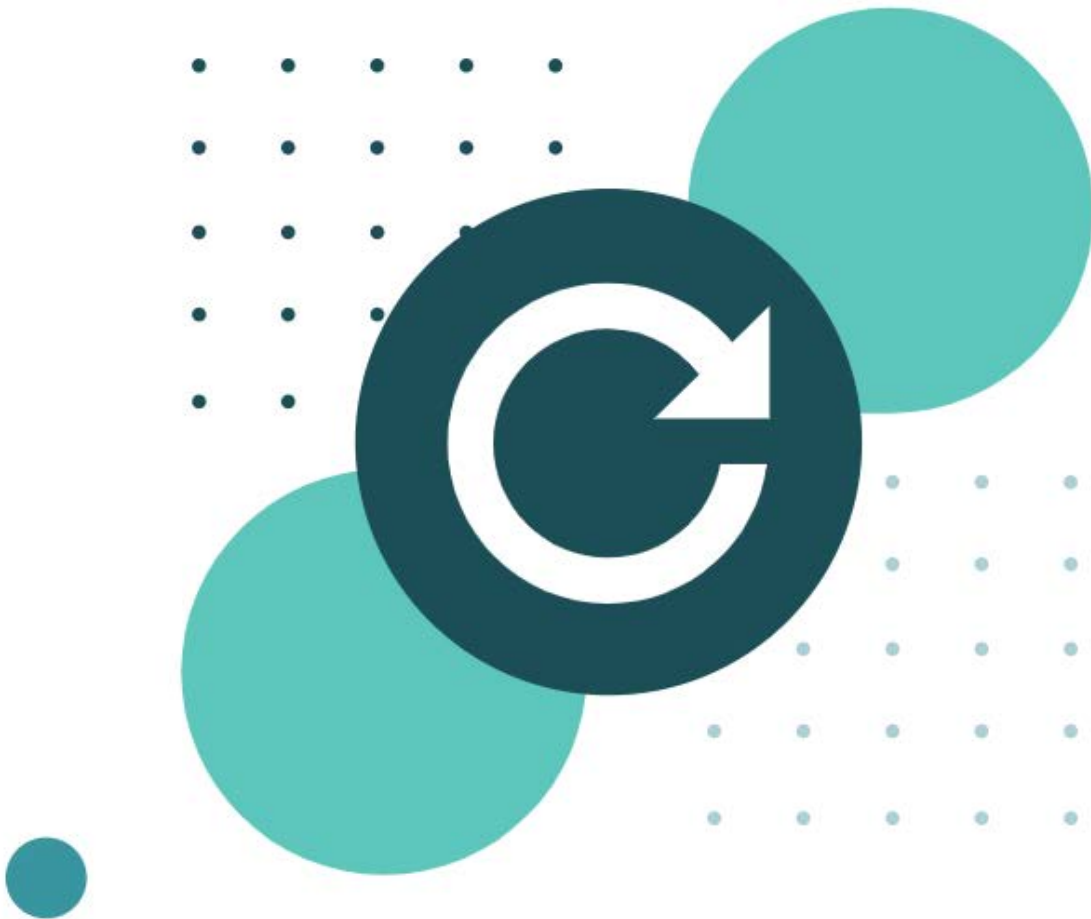
VTT



THE EU CIRCULAR COOPERATION HUB

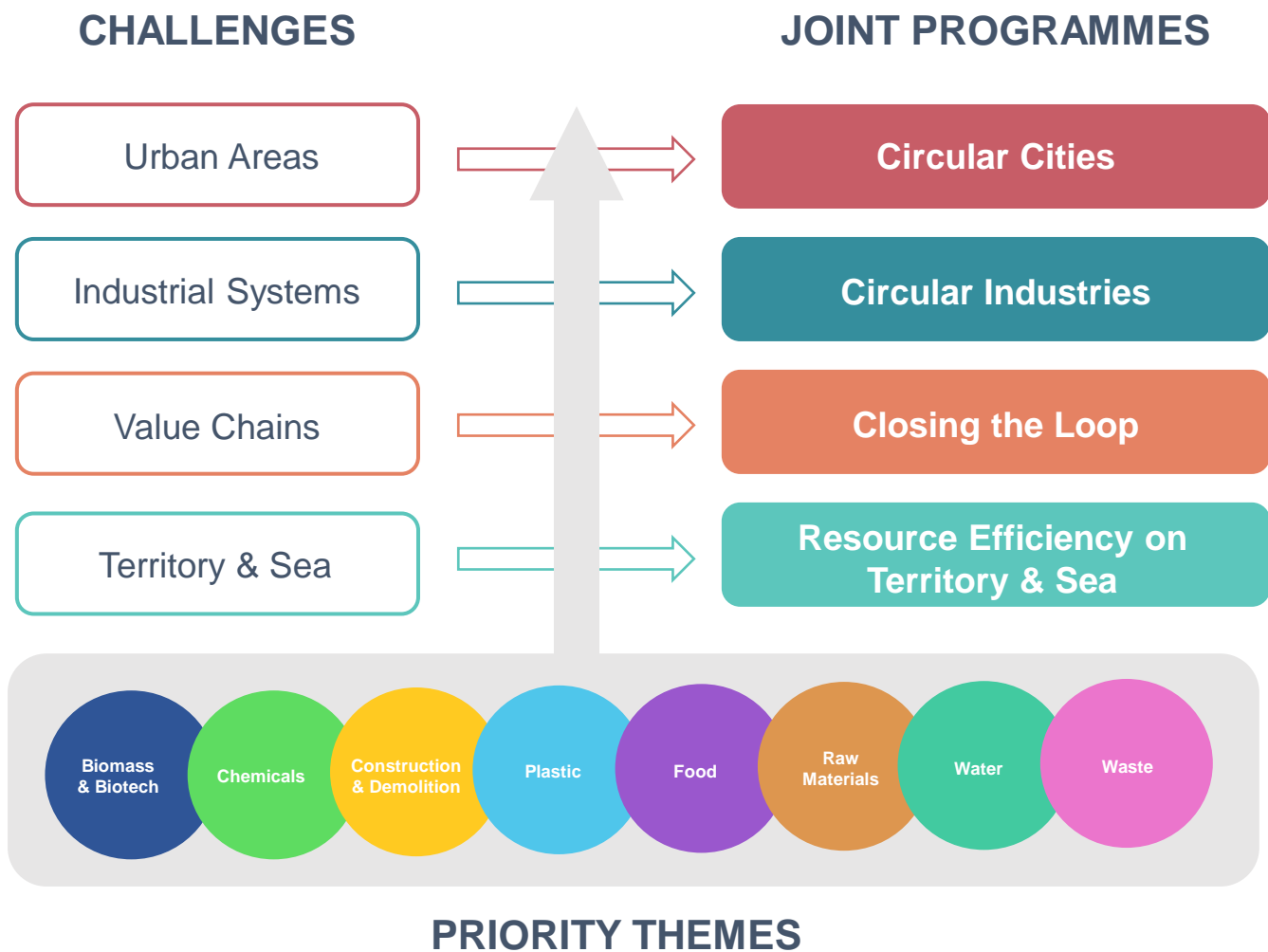
We are setting up a **platform for programme owners** (i.e. public institutions that fund and design circular economy related programmes), to be **launched in 2021**, to co-design programmes with a variety of countries, regions and cities across Europe.

Key services will include **strategy advice** for systemic circular economy programming, **networking** opportunities and **capacity building**.



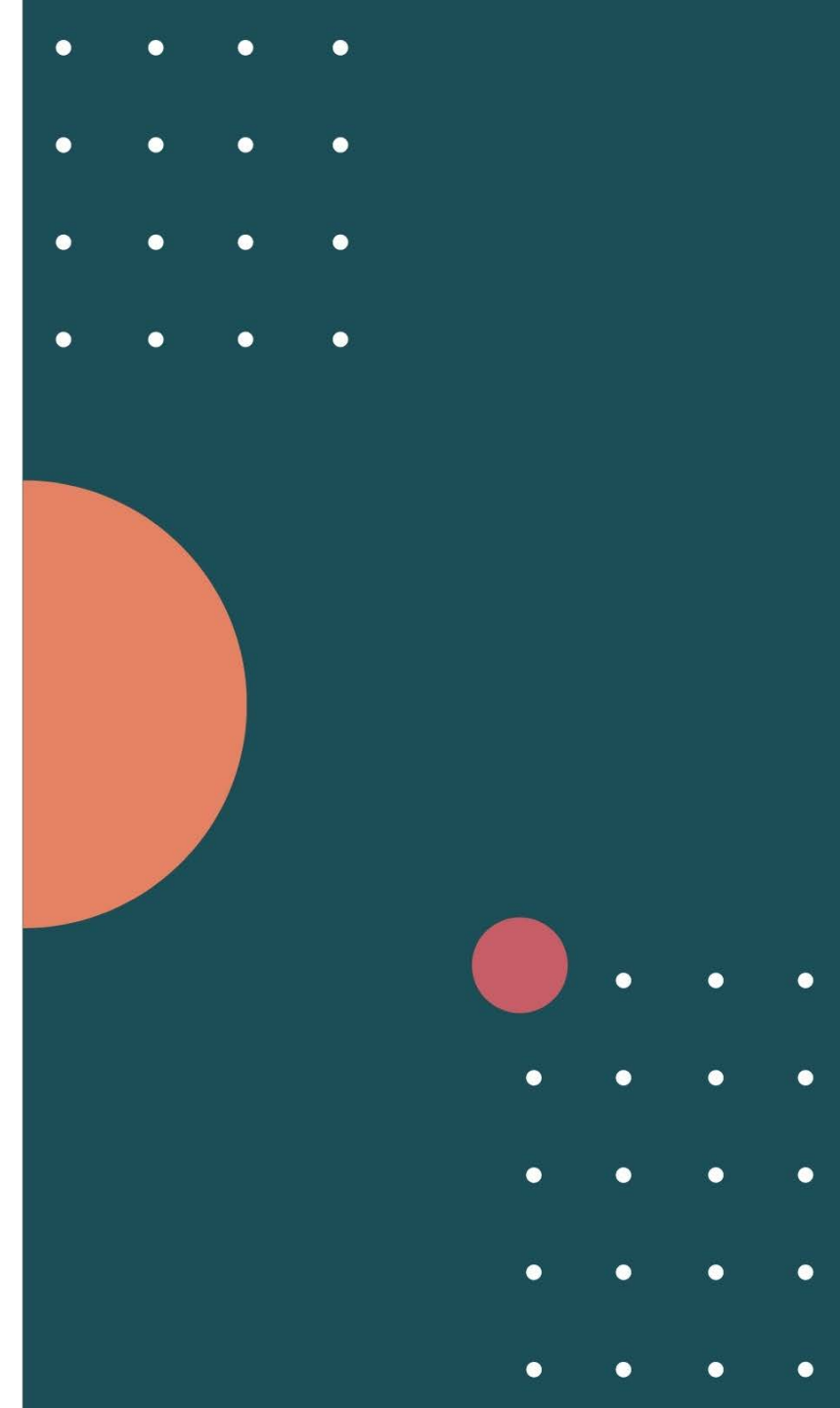
CONCEPTUAL FRAMEWORK

A SYSTEMS APPROACH TO CIRCULAR ECONOMY R&I



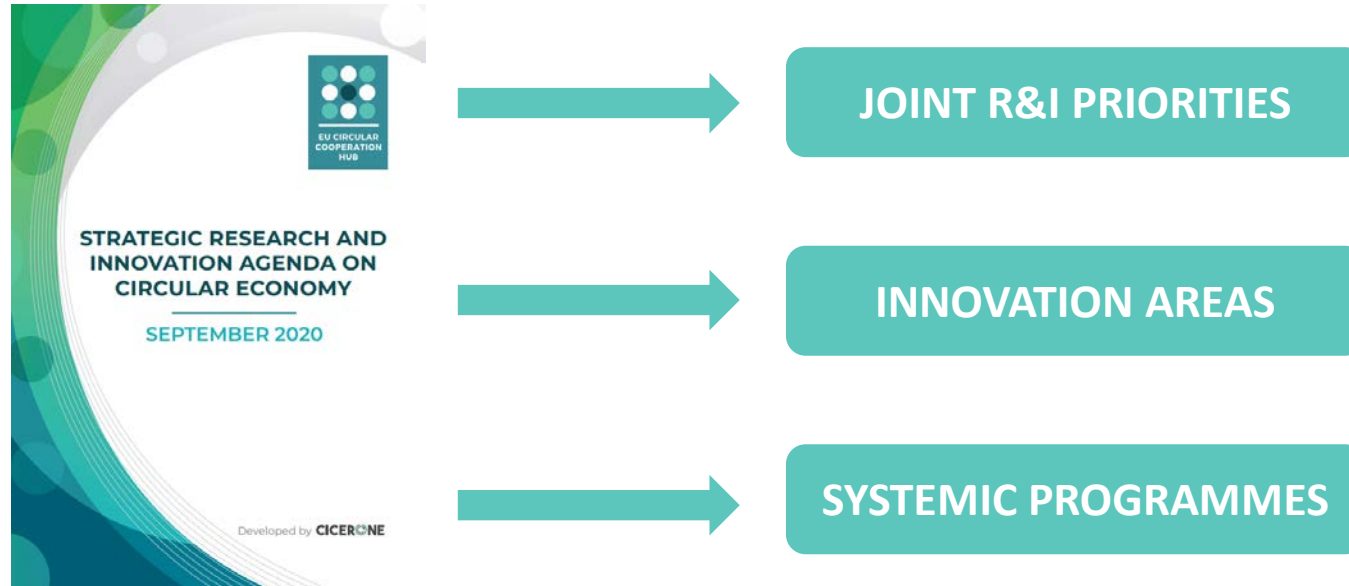
THE CHALLENGES

CHALLENGE	ADDRESSED TOPICS
Cities	Waste prevention and management / Urban water management and reuse / Urban mining / Sharing economy / Prolongation of products life - products reuse / Building / Food waste prevention and valorisation / Citizen awareness / Industrial systems
Industry	Eco-design / Product and process eco-innovation / Water cycle / Agroindustry / Metallurgy / Manufacturing / Lean and clean technologies / Chemicals / Industrial Symbiosis / Business models
Value Chains	Eco-design and Product eco-innovation / Value chain traceability / Sustainable consumption / Reuse / Collection / Recycling / Sharing economy
Territory & Sea	Marine litter / Material flows / Landfill mining / Sustainable tourism



WHERE YOU CAN FIND THE SRIA

ALIGNING PRIORITIES AT EUROPEAN SCALE



<http://cicerone-h2020.eu/newsroom/>

HOW CAN YOU USE THE SRIA FOR JOINT PROGRAMMING?



Develop new subprogrammes and activities within the four existing challenges



Build new joint programmes using the pre-identified areas of priority



Identify new themes, challenges and priority research & innovation areas

THE PROCESS

For each challenge

OBJECTIVE AND INNOVATION VILLAGE BUILDING

1. Objective and innovation field selection starting from existing official documents and through national and international consultation
2. Prioritization through further public consultation

Subprogram hypothesis

Subpprogram prioritization

Subprogram 1

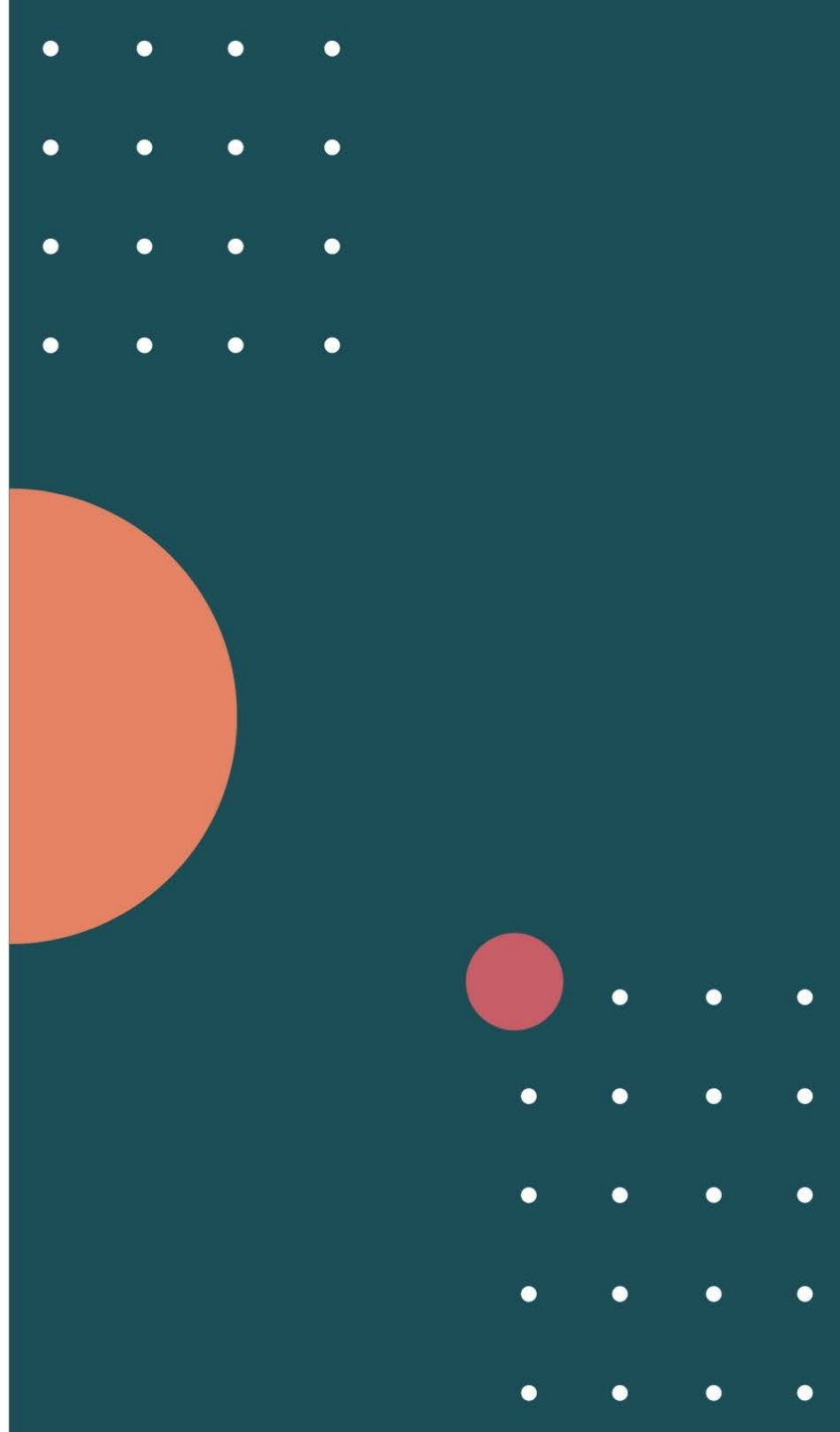
Subprogram 2

Subprogram 3

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Joint program



THE JOINT PROGRAMS

URBAN AREAS

A

To enable urban circularity and increasing citizen engagement in circular solutions.

B

To enhance circular economy and natural resource management in urban areas.

INDUSTRIAL SYSTEMS

A

To develop new technologies, quality standards and analytic methods for new materials production and resource and waste characterisation.

B

To enable industrial symbiosis networks and foster digitalisation to master the complexity of products, processes and systems.

C




To raise awareness of industrial ecology by promoting new/better design and use of products and better re-use of materials already in circulation.

D



To reduce the carbon emissions of companies.

THE JOINT PROGRAMS

VALUE CHAIN

-  To ensure that the manufacturing partnerships in Horizon Europe focus on key priorities in circular economy.
-  To address toxic/hazardous substances to human and environmental health in the context of circular economy.
-  To elaborate and stimulate the adoption of new policies, standard and protocols for governance resource management systems, fostering inter-stakeholder collaboration and integrated management in the entire value chain.

TERRITORY AND SEA

-  Designing and promoting sustainable maritime transport.
-  Promoting efficient resource use in ports and coastal areas with a long-term perspective.

THE ITALIAN CONSULTATION

INDUSTRIAL SYSTEMS

https://docs.google.com/forms/d/1BmH4VN02_9WjTDqdYMpGOSRiIl9YRXIAIz1bCc5pQD8/edit

TERRITORY AND SEA

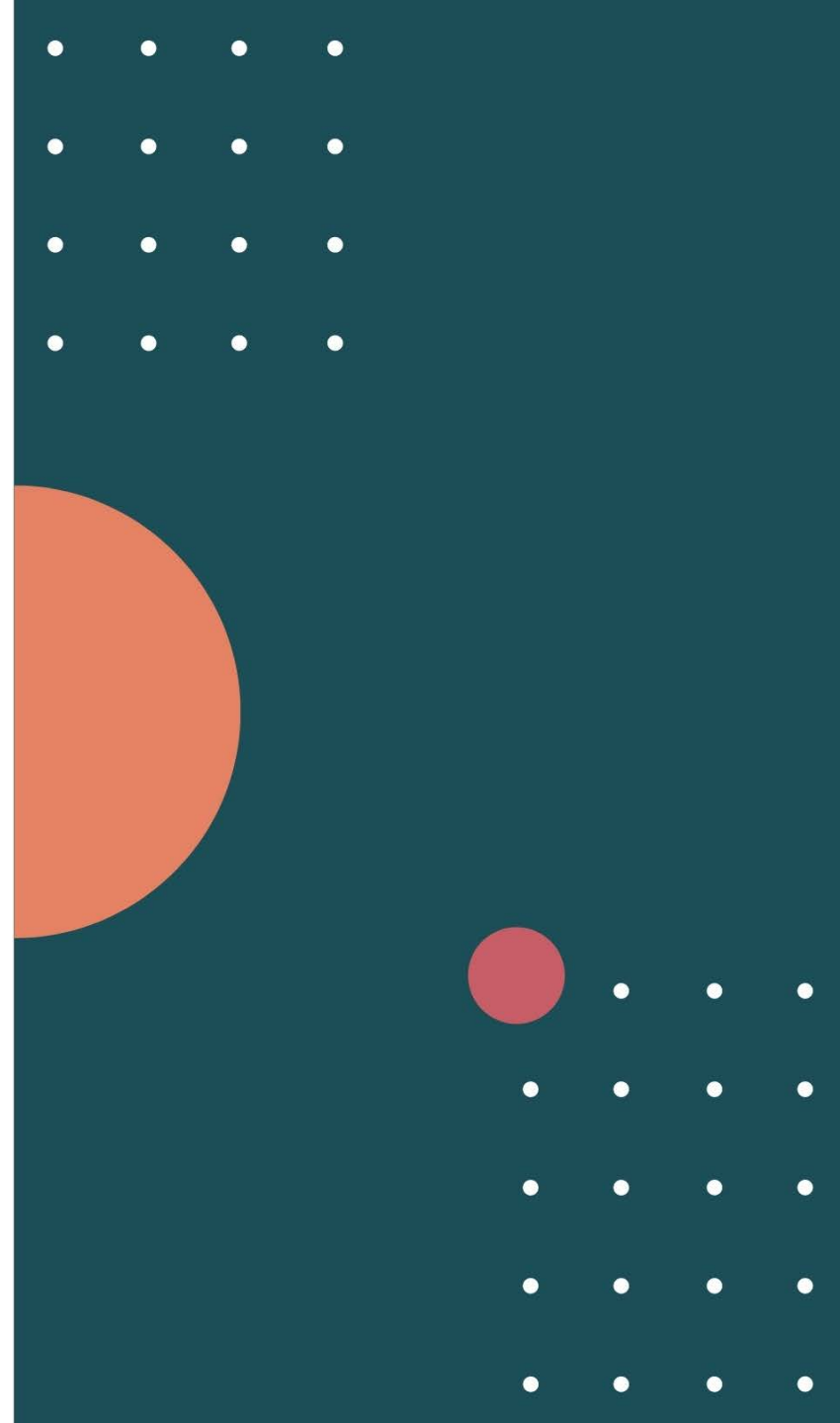
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URBAN AREAS

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VALUE CHAIN

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FOR MORE INFORMATION
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