

## PROGRAMME

# CIRCULAR INDUSTRIES



## ABOUT THE PROGRAMME

*This joint programme is part of the Circular Economy Strategic Research and Innovation Agenda (SRIA), that outlines joint strategic priorities in research and innovation for the use of European programme owners (i.e. public funders of circular economy programmes) to co-implement and cooperate on circular economy actions.*

## OBJECTIVES

**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 programme Circular Industries focuses on the development of new integrated solutions and the upscaling of existing tools and solutions that already exist at small scale, to be implemented in factories, industrial areas and productive sectors (e.g. agro-industry, metallurgy and textiles, amongst others).

This is strongly in line with The EU Green Deal which identifies disruptive innovative technologies a key part of the long-term path to sustainable growth.

In this regard, the goal of this joint programme is to facilitate the transition of industries to the circular economy through research and innovation.



# PROGRAMME STRUCTURE

## CHALLENGE: INDUSTRIAL SYSTEMS



**OBJECTIVE A:** To develop new technologies, quality standards and analytic methods for new materials production and resource and waste characterisation



**Subprogramme A1:** Developing new technologies for new materials production



**Subprogramme A2:** Developing quality standards and analytic methods for materials production and characterisation



**Subprogramme A3:** Developing new technologies for resource and waste characterisation

**OBJECTIVE B:** To enable industrial symbiosis networks and foster digitalisation to master the complexity of products, processes and systems



**Subprogramme B1:** Smart Factories - Building SME partnerships, “alliances of interests” and industrial symbiosis networks

**OBJECTIVE 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



**Subprogramme C1:** Promoting eco-design and eco-processes



**Subprogramme C2:** Promoting re-use, repair and remanufacturing

**OBJECTIVE D:** To reduce the carbon emissions of companies



**Subprogramme D1:** Greenhouse gas accounting and management system



**Subprogramme D2:** Promoting secondary raw materials market and industry



**Subprogramme D3:** Reducing the carbon and GHG emissions in industrial systems

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