

# Financial instruments for the circular economy

FOSTERING THE CIRCULAR ECONOMY AND GREEN JOBS IN BOLOGNA

Marino Cavallo, Metropolitan City of Bologna

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### NATIONAL RECOVERY AND RESILIENCE PLAN (PNRR)





### PNRR: Mission 2 (M2)

#### **GREEN REVOLUTION AND ECOLOGICAL TRANSITION**



TOT. 59,46 BILLIONS €

The Mission aims to fill the structural gaps that hinder the achievement of a new and better balance between nature, food systems, biodiversity and the circularity of resources, in line with the objectives of the Action Plan for the circular economy launched by the Union European.

The Mission is divided into *four components*, each of which, in turn, contains a series of *investments and reforms*.

5,27 BN€

COMPONENT 1 (M2C1): Sustainable agriculture and circular economy

23,78 BN€

• COMPONENT 2 (M2C2): Renewable energy, hydrogen, network, sustainable mobility

15,36 BN€

• COMPONENT 3 (M2C3): Energy efficiency and building renovation

**15,05 BN€** 

COMPONENT 4 (M2C4): Territory and water resource protection



#### PNRR- COMPONENT 1: Sustainable agriculture and circular economy 1/2

#### **AREAS OF INTERVENTION – MEASURES**

1. Improve the capacity for efficient and sustainable waste management and the circular economy paradigm

5,27 BN€

TOT.

**Investment 1.1**: Construction of new waste management system and modernization of existing plants

**Investment 1.2**: Circular economy flagship projects

**Reform 1.1**: National Strategy for Circular Economy

**Reform 1.2**: National Program for Waste Management

**Reform 1.3**: Technical Support to Local Authorities

Develop a sustainable agri-food chain

**Investment 2.1**: Logistics development for the agri-food,

fishing and aquaculture, siviculture, floriculture and nursery sectors

**Investment 2.2**: Agrisolar Park

<u>Investment 2.3</u>: <u>Innovation and mechanization in the agricultural</u>

and food sector





3. Improve the capacity for efficient and sustainable waste management and the circular economy paradigm

**Investment 3.1**: Green Islands

**Investment 3.2**: Green Communities

**Investment 3.3:** Culture and awareness of environmental issues and challeng



# **National Strategy for Circular Economy**

The new "National strategy for the circular economy intends to define the **new administrative and fiscal tools** to **strengthen the secondary raw materials market**, the extended responsibility of the producer and the consumer, the diffusion of sharing and "product as a service" practices, supporting the achievement of climate neutrality objectives, defining a roadmap of actions and measurable targets between now and 2040.

The new strategy will specifically cover eco-design and product innovation, bio- economy, blue economy, critical raw materials; and will encompass the following actions:

- Devising a new digital waste traceability system to enable, on the one hand, a market for secondary raw materials and, on the other hand, enhancing control and prevention of illegal waste management;
- Developing tax incentive systems to support the use of materials from recycling chains;
- Revising the taxation system so as to make recycling more convenient than landfilling;
- Promoting the right to reuse and repair;
- Reforming the EPR (Extended Producer Responsibility) systems and Consortia to support EU targets;
- Strengthening the existing *regulatory instruments*: End-of-Waste legislation, Minimum Environmental Criteria (MEC), and applying them to strategic sectors such as construction, textiles, plastics, WEEE;
- Supporting industrial symbiosis projects, also through regulatory and financial instruments.



### **EMILIA ROMAGNA- Policy instruments**

The Emilia-Romagna Region -the first in Italy- approved in 2015 the **regional law n.16 of 5 October 2015** to transit from a linear economic model, to a "circular economy" in whose materials are constantly reused.

#### THE OBJECTIVES:

20-25% reduction in the per capita production of urban waste,

73% separate collection,

70% recycling of materials.

Other strategic objectives are the containment of the use of landfills and regional self-sufficiency for disposal.

The **ACTIONS** necessary to achieve the objectives have been and will be implemented in accordance with the provisions of the **Regional Plan for waste management 2016-2021** and with the one currently being defined **2022-2027**.

Other regional policies, which contribute transversally to the circular economy objectives, are:
Regional Energy Plan, Rural development program, Regional plan for green public procurement, The European Fund for Regional Development (ERDF) and the regional strategy of smart specialization, Forums from the Intelligent Specialization Strategy (S3)

### **EMILIA ROMAGNA- Tools**

Regional Law 16/15 provides some tools, in constant growth, such as:

Permanent coordination for By-products «Sottoprodotti» 
Network to which all <u>regional</u> companies that comply with the legal requirements on the subject can voluntarily register, and exchange by-products with other companies

and Guidelines for Reuse Centers «Centri del Riuso» -> intended for <u>citizens</u> who want to place secondary materials in the secondary market - 30 centers at the moment,

as well as permanent coordination of both through the ReUSER network.

Even the "Regional strategy for reducing the incidence of plastics on the environment" (# Plastic-FreER),

→Funds have been introduced to clean up rivers and seas of plastic waste and resources have been added to support the transition to new consumption models that involve the abandonment of disposable plastic, to encourage the sale and consumption of bulk food and the progressive replacement disposable plastic dishes and bottles in canteens, hospitals, schools, beaches, festivals and sporting events.





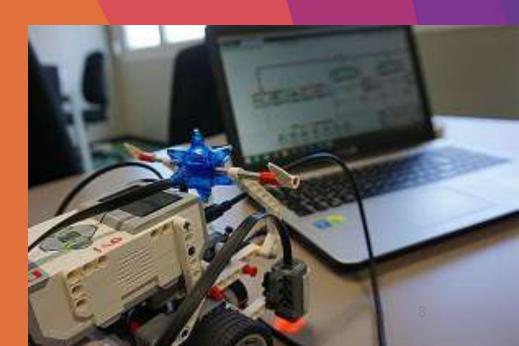




### Regional call for Enterprises's Innovation and Sustainability 2021-2022

Regional call, approved by the Regional Council during the last session, which allocates, for the two-year period 2022-2023, 400 thousand euros to support sustainable development projects, consistent with the **Pact for Labor and Climate**, promoted by Chambers of Commerce, Provinces, Metropolitan City of Bologna, Municipalities and Unions of Municipalities of Emilia-Romagna.

To strengthen the *integration* between the various subjects present in the area, the eligible projects must include the collaboration of *technical partners*, such as the Emilia-Romagna Clust-ER Associations and the innovation centers of the High Technology Network.



# MCBO 2017- Bologna Charter

Mayors and representatives of 14 metropolitan cities, gathered in Bologna on 8 June 2017 in the occasion of the meeting of the Ministers for the Environment of the G7 countries, in signing the Charter of Bologna for the Environment Metropolitan cities for sustainable development, subscribe to the following reference objectives of the metropolitan agendas for sustainable development:









- Reduce its net land use by 20% by 2020
- Center urban planning policies on urban regeneration.
- Promote integrated spatial planning and environmental management for increase policy coherence by encouraging citizen participation.

For circular economy: Objectives for metropolitan cities and urban areas:

• Achieve the most ambitious European objectives (recycling 70%, max 5% of waste in landfill) by 2030 by reducing waste production below the European average and bringing separate collection to at least 70% in 2025 and 80% in 2030 (47.5% in 2015 at national level).

## Agenda for sustainable development 2.0

The metropolitan city has seized the opportunity offered by the Ministry, presenting the "Agenda 2.0. The new dimensions of the Metropolitan Agenda for Sustainable Development of Bologna", which is a natural continuation and maturation of the Agenda drawn up between 2018 and 2019.

The goal is to make Agenda 2.0 a device for orienting and integrating planning and programming tools through the experimental formulation of a Metropolitan City DUP model consistent with the objectives of Agenda 2.0 and PSM 2.0, that can be exported at the level of both Unions of Municipalities and Municipalities.

The project involves the activation of pilot projects, which radicalize sustainable development in the Bologna area:

"Transition towards the circular economy in the hilly and mountainous area of the Metropolitan City of Bologna"





Agenda 2.0 per lo sviluppo sostenibile



## **WORKING GROUP ON CIRCULAR ECONOMY**

The Metropolitan Apennine Mountain Focus has established the implementation methods by defining the constitution of a Working Group called "Circular Economy" composed of the Presidents and representatives of the Unions of Municipalities, that have mountain Municipalities within them, the Bolognese Apennine LAG, and representatives of economic forces and social, by ART-ER and by Eco & Eco.

Guidelines were drafted, starting from an analysis of the current diffusion of circular economy dynamics in 23 mountain municipalities, read in the light of an ad hoc circularity indicator.

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The concept of "circular economy" has been broken down into 10 relevant dimensions:

eco design; supplying; energy and resources; waste; transport and logistics; promotion of sustainable lifestyles; circularity of supply chains; sharing with the local community; inclusiveness and certification.



# Metropolitan Strategic Plan

**2.0** 

The themes and objectives that give substance to PSM 2.0: sustainability, inclusiveness and attractiveness are the founding characteristics of our community, that has at its center the care and strategic development of our territory, sometimes even crossing its own borders, within the framework of the objectives of the United Nations 2030 Agenda and the Bologna Charter for the Environment.

#### SPECIFIC OBJECTIVES FOR CIRCULAR ECONOMY:

**OBJECTIVE 1.E:** Metropolitan Bologna: sustainable, responsible and attractive. Sustainability and growth for the new Apennines

OBJECTIVE 4.A: Manufacturing, new industry and training
The foundations of industry 4.0: innovative technology
and contamination between creativity and tradition industrial,
towards circular economy, ecodesign, design thinking approach

The drafting of the Agenda starts with a view to full integration with the planning and programming tools of the Metropolitan City of Bologna, in fact in July 2018 the Metropolitan Strategic Plan 2.0 (PSM 2.0) was approved, in November 2019 the Urban Plan for Sustainable Mobility (PUMS) and, in parallel, the drafting of the Metropolitan Territorial Plan (PTM) was started.





# PREMIO BARRESI

### MCBO- ENTERPRISES COMPETION

### IMPRESE GIOVANILI E SOSTENIBILI

Promoted from 2016 to 2019, the Award is looking for **young entrepreneurs** who, with tenacity and skill, are managing their companies through strategies focused on **circular economy.** 

The common thread that binds all past and future editions of the Barresi Award consists not only in **rewarding**, but also in **supporting** the most deserving companies over time.

2021 EDITION: Four companies have been selected: Double Trouble Bologna, Hoppibolla, Lac2Lab, Sette and Mezzo Studio. They will receive a non-repayable grant each of 7,000 euros and will access the numerous opportunities made available by the call (eu meetings, european exchanges, services).









### **Circular Economy for SMEs**



#### **OBJECTIVES**

To address and to improve regional policies in order to support SMEs overcoming years of conventional production methods and shifting towards green innovation - and circular economy at best, in a world of finite resources.

#### **KEY RESULTS**

collection of 35 good practices related to circular economy; 1 white book; 1 toolkit

Region: Emilia-Romagna

**Policy Instrument** 

Axis 3: Competitiveness & attractiveness of industrial

system, Investment priority 3c

Main measures

Information campaigns - Database of Green SMEs

#### **CHALLENGES**

Lack of information and understanding on the principles of circular economy, in particular among SMEs

Inconsistent legislation and regulations

**Lack of finance** 

#### **APPROACH**

SME inclusion in the circular economy, by interregional meetings that identified good practices aiming to examine how best regional and local authorities and business development agencies can improve relevant policy instruments and design support packages to assist SMEs to enter the circular economy.

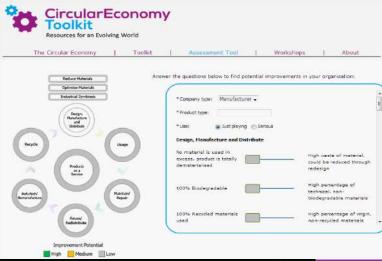


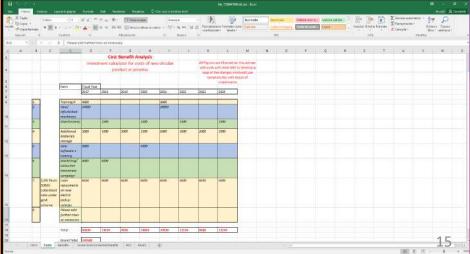


White Book containing all the lesson learned and the reccommendations targeted both SME at practical level and policy maker at strategic level, available on CESME's website https://www.cesme-book.eu/



Toolkit containing a green profile assessment tool and a return on investement calculation model targeted **SMEs** 











# Thanks for your attention.

marino.cavallo@cittametropolitana.bo.it