



BIO CIRCULAR CITIES

Exploring the circular
bioeconomy potential
in cities

First Living Lab

Current biowaste management system, challenges and best practices
in the Region of Pazardzhik

31.03.2022/ Pazardzhik, Bulgaria

31
March
2022

Exploring the circular bioeconomy potential in the cities



Събитие на заинтересовани лица #1 - Област Пазарджик

Настояща система за управление на биоотпадъци, предизвикателства и добри практики



31 март 2022 г.



11:00 - 13:00 ч.



Онлайн връзка със събитието



Безплатно участие

За проекта :

www.biocircularcities.eu
info@biocircularcities.eu
[@biocirc_cities](https://twitter.com/biocirc_cities)



Този проект се финансира от Съвместно предприятие „Био-базирана индустрия“ (BBI JU) в рамките на програмата за научни изследвания и иновации на Европейския съюз „Хоризонт 2020“, съгласно споразумение за отпускане на безвъзмездни средства № 101023516. Съвместното предприятие получава подкрепа от програмата за изследвания и иновации „Хоризонт 2020“ на Европейския съюз и Консорциума за биологични индустрии.

ПРОГРАМА

10.50 ч. Виртуална регистрация

11.00 ч. Въведение и посрещане на участниците

- Въведение в срещата – цели и дневен ред
- Представяне на участниците (кратко представяне на всеки участник)

Модератор: Георги Симеонов, Регионална енергийна агенция – Пазарджик (РЕАП)

11.20 ч. Представяне на проект Biocircularcities

- Основни характеристики, обхват, пилотни региони, местни събития

Розария Чифари, Фондация ЕНТ, Испания, Координатор на проекта

11.40 ч. Български пилотен регион: Биоотпадъци в района на Пазарджик

- Текуща система за управление на биоотпадъците от селското и горското стопанство.
- Преглед на съответното законодателство и добри практики по отношение на кръговата биоикономика – ЕС/национален/местен контекст

Георги Симеонов, РЕАП и Марта Лопес, Фондация ЕНТ

12.00 ч. Съвместна екипна работа за маркиране на предизвикателства

Активен дебат за предизвикателствата които се срещат при управлението на биоотпадъци от селското и горското стопанство в Област Пазарджик

Модератор: Георги Симеонов, РЕАП

12.20 ч. Съвместна екипна работа за потенциални алтернативи

Дебат, който включва успешни практики или възможни алтернативи в кръговата биоикономика за подобряване на управлението и/или валоризацията на биоотпадъците от селското и горското стопанство в Област Пазарджик

Модератор: Георги Симеонов, РЕАП

12.40 ч. Изводи, следващи стъпки, забележки и въпроси



BIO CIRCULAR CITIES

Exploring the circular bioeconomy potential in cities

<https://biocircularcities.eu/>

Event organized by:



Presentation of local stakeholders

Mural platform: knowing the participants to the living lab

Explanation on how Mural is working

Each participant will drag a post it inserting under the logo of their entity, their name & surname and keys words on their expertise.



15 minutes:

3 minutes writing

12 minutes round table presentation



MURAL LINK:

<https://app.mural.co/t/fundacioent1413/m/fundacioent1413/1648456481177/b0b8eebc97dcbf859d249e1bf48bc1fc6ebb82f8?sender=uf5af56d1f9f0ac3f08b41378>



BIO CIRCULAR CITIES

Exploring the circular
bioeconomy potential
in cities

BIOCIRCULARCITIES

Project presentation

Rosaria Chifari, Fundació ENT

31 03 22, Living Lab#1 Pazardzhik

BIOCIRCULARCITIES

Main features, aims, case studies and living labs



BIOCIRCULARCITIES



BBi JU contribution: € 999,893.75

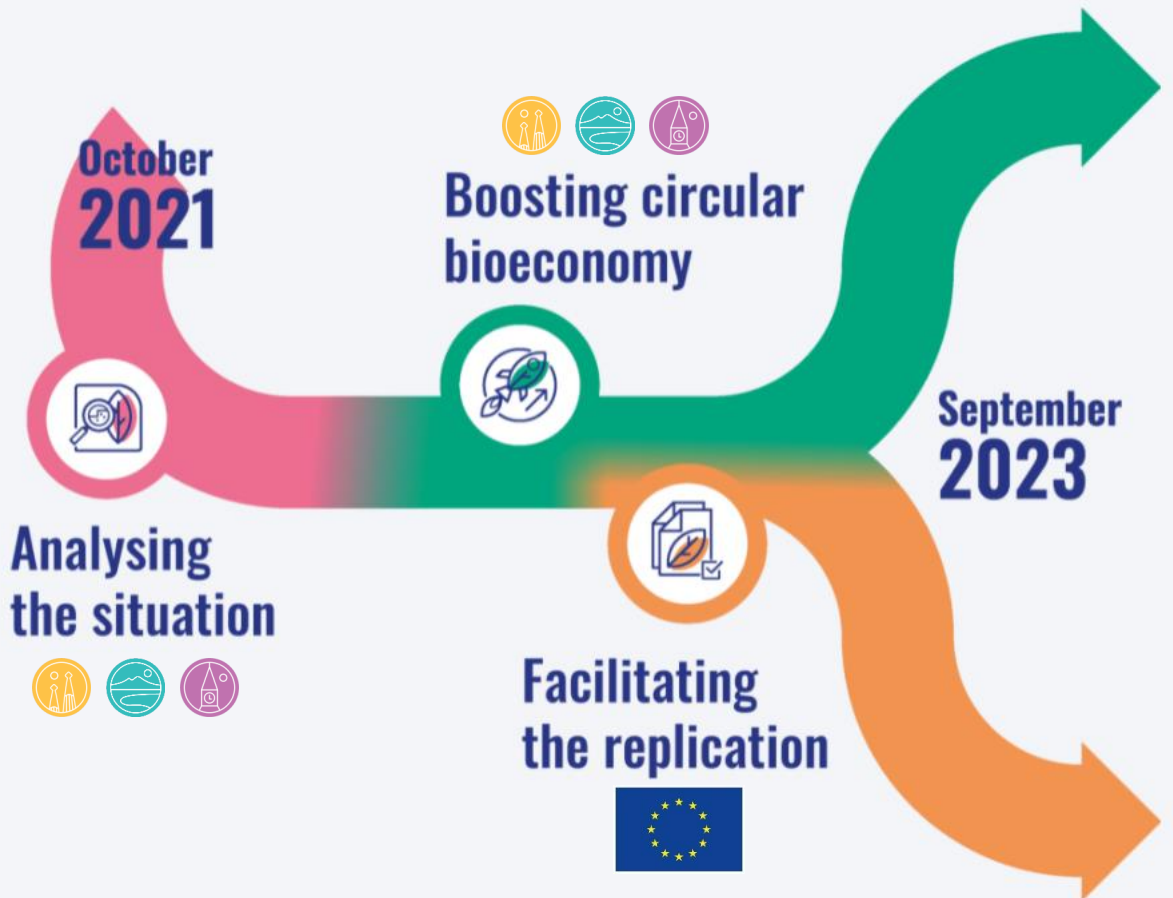
Type of action: CSA – Coordination and Support Action

Project leader:







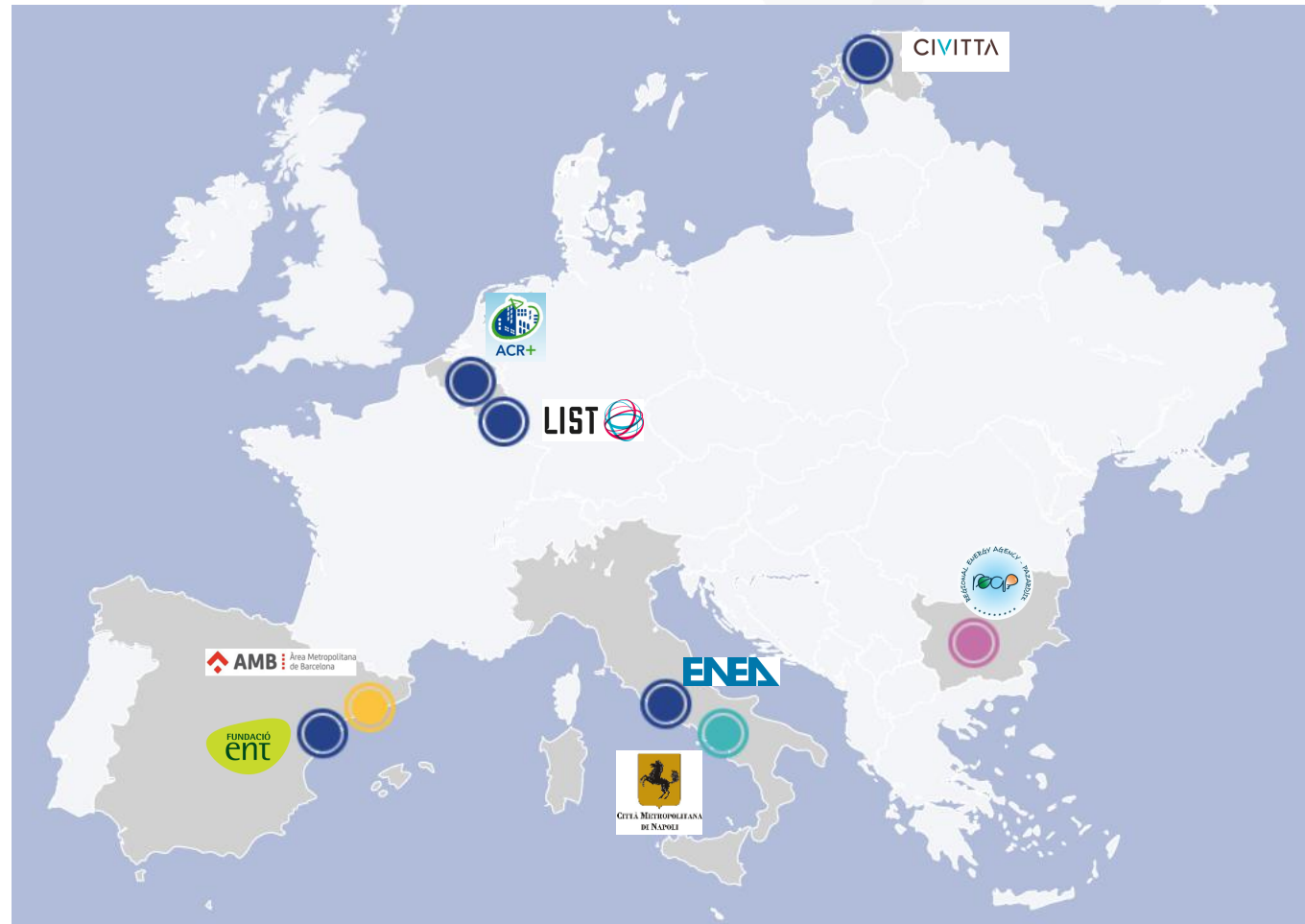
Title: Exploring the circular bioeconomy potential in cities. Proactive tools for implementation by policy makers and stakeholders

Pilots: Napoli (Italy) Barcelona (Spain) Pazardzhik (Bulgaria)



Consortium Partners

-  2 RTOs
-  1 SME
-  2 Public Authorities
-  3 Non-profit Associations



Challenge

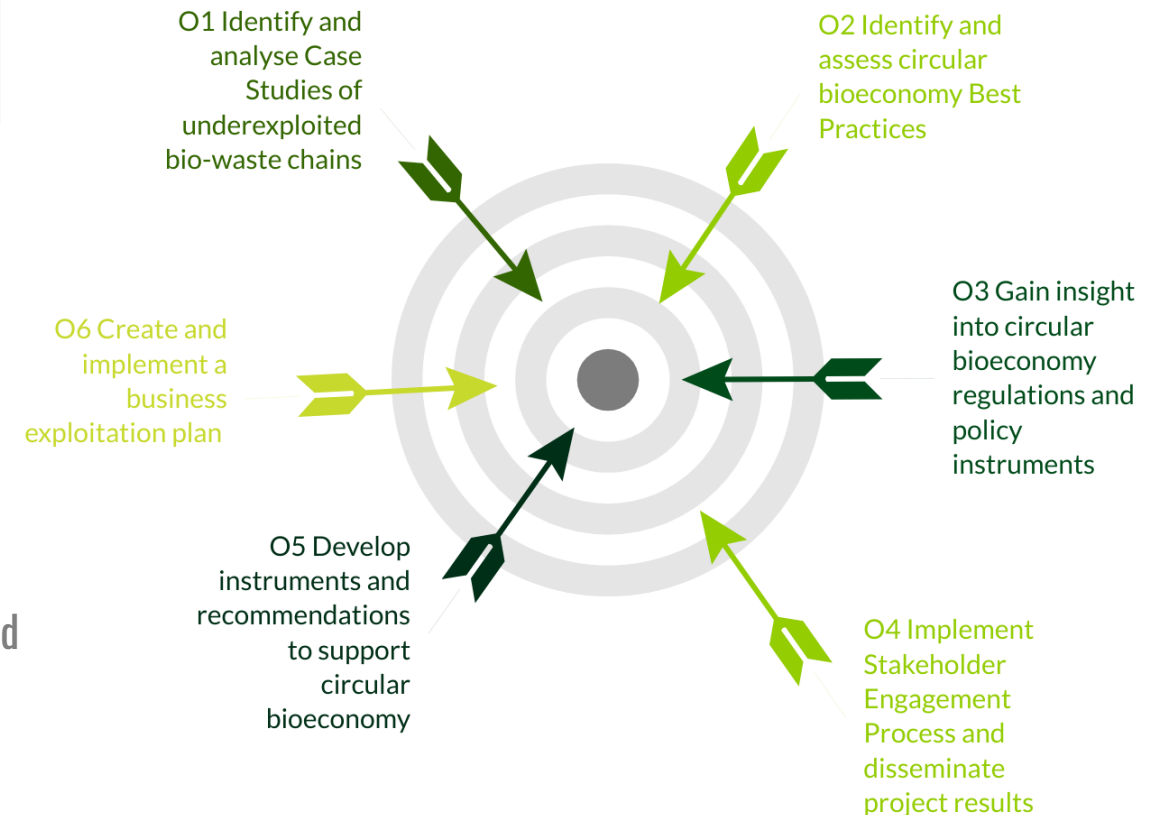
Green and sustainable transition requires more circular bioeconomy strategies

- Although bioeconomy relies on renewable resources, **there is still much potential to adopt a Circular Bioeconomy approach** for the sustainable exploitation of biological resources.
- This implies a **profound change into the waste hierarchy** leading to conflicts between the different stakeholders involved in the entire value chain of a product.
- A transition towards the Circular Bioeconomy starts from **a change of mindset**: perceiving biowaste as a resource, and not a discarded material.
- This transition requires **reconciling legislation, waste management, circularity and the bioeconomy**.

Project aim

Supporting the development of **innovative and comprehensive regulatory frameworks and roadmaps** aligned with circular bioeconomy principles, centred on **‘bio-based waste’** and based on feedback from **multi-actor participatory processes**.

- Identify and analyse **Case Studies** in which bio-waste is underexploited and circular bioeconomy **Good Practices**
- Gain insights into circular bioeconomy regulations and policy instruments
- Identify barriers and opportunities for the circular bioeconomy implementation
- Bringing together the **relevant stakeholders** for mapping their different (and often conflicting) visions concerning circular bioeconomy
- Proposing proactive instruments and policy roadmaps for supporting the circular bioeconomy at pilot level and expand it to the European context



Project plan



Selection of biowaste management chains and mapping of involved relevant stakeholders

LCA and LCC of selected biowaste chains

Circular bioeconomy policy framework and good practices at local and EU level analysis

Analysis of barriers and drivers to implement circular bioeconomy at local level



Identification of potential improvements of current biowaste management chains

Get inspired by circular bioeconomy Good Practices across the EU that could be used as successful examples to use in the pilot areas

Local Living Labs and capacity-building activities

Policy recommendations at local level



Guidelines for implementing biowaste management adopting a circular bioeconomy approach

Webinars on outcomes

Web-based tool to assist policy makers and industry in designing biowaste management strategies

3 Pilots



BIOCIRCULARCITIES will focus each time on one specific biowaste value-chain and investigating possibilities to make it more circular.

31 03 2022 – Living Lab#1 Pazardzhik



Metropolitan Area of
Barcelona (ES)

Biowaste from MSW

Incentivising quality and quantity of biowaste separately collected in the area of Barcelona and exploring the feasibility of producing added value bioproducts.



Metropolitan City of
Naples (IT)

Biowaste from agro-industrial sector

Improving the biowaste management system of a region encompassing urban, agricultural and industrial areas with important biomass production activities and an important food supply chain



Region of
Pazardzhik (BG)

Biowaste from agro-forestry sector

Incentivising a larger deployment of circular bioeconomy in a rural region to tackle unexploited bio-waste from agriculture and forestry sectors.



Strength of the Project

The strength of the project lies on the following assets:

- Capability to bring together multiple actors belonging to the businesses, research institutions, public authorities sectors to build the **collaborative knowledge** needed to map the different perspectives about legal and market limits/potentials for developing circular bioeconomy.
- Building a **holistic picture on the legal and market barrier and opportunities** in the 3 case study areas to make it possible to check the applicability of the identified best practices and other feasible solutions.
- Formulating **guidelines and policy recommendations**, based on lessons learnt from pilots, to support the implementation of “Biocircularcities” first at local and then at the European level.



Living Labs and Peer Review Sessions



**Analysing
the situation**
in pilot territories



**Boosting circular
bioeconomy**
in pilot territories

Living Labs #1
March 2022

Current biowaste
management system,
challenges and best
practices

**Peer-Review
session #1**
April 2022

Living Labs #2
September 2022

Regulatory and market
bottlenecks and sustainable
drivers to circular
bioeconomy implementation

**Peer-Review
session #2**
October 2022

Living Labs #3
March 2023

Preliminary set of policy
recommendations to circular
bioeconomy implementation
based on preliminary results
of LCA and LCC.

Webtool prototype
presentation

**Peer-Review
session #3**
April 2023

Final events
July 2023

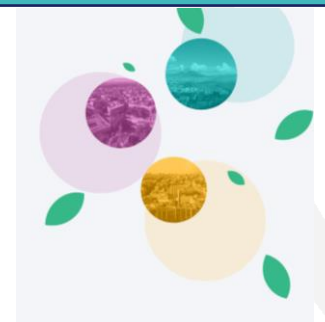
Definitive results of LCT and
recommendations for
politicians and entrepreneurs
for each pilots

Definitive Webtool
presentation and test



**Facilitating
the replication**
in other EU territories

Final Conference
September 2023



Results of the Project

Main outcomes from the project able to create impact after the end of the project:

- **Set of policy recommendations** for implementing circular bioeconomy strategies based on the feedbacks from pilot experiences and additional analysis, in the format of leaflet or small manual
- **Web-based tool** to assist policy makers and industry in designing biowaste management strategies
- **Circular patterns/guidelines** for biowaste management based existing Best Practices for circular use of bioresources **replicable** in different urban contexts
- Overview of available and future technologies on circular bioeconomy apart from the more traditional composting and methanization with recommendations on how and when to use them
 - **Improving the uptake of bio-based solutions by the market**
 - **Incentivising the valorisation of bio-waste in line with the principles of the circular bioeconomy**
 - **Promoting the development of successful circular bioeconomy strategy in EU territories**



BIO CIRCULAR CITIES

Exploring the circular
bioeconomy potential
in cities

Thank you

www.biocircularcities.eu | [@biorcirc_cities](https://twitter.com/biorcirc_cities)

rchifari@ent.cat