



CIEC Madrid

Centre for Innovation in Circular Economy

2025





CIEC

The **CIEC Madrid** is the **Centre for Innovation in Circular Economy**, established in 2022 with the aim of becoming a leading hub for circular economy initiatives. It is promoted by **the Government Area of Economy, Innovation and Finance of Madrid City Council**.

Innovation and circularity are present from its very foundations: it is the **first public building in Madrid constructed using wood**, making it a CO₂ sink. Built on a 3,000 m² plot, the 700 m² building is entirely dedicated to promoting innovation in the circular economy, engaging a wide range of societal stakeholders.



economía, innovación
y hacienda

MADRID



CIEC OBJECTIVES

Promote

Foster the adoption of **circular economy practices** within Madrid's business ecosystem.

Catalyse

Catalyse the socioeconomic potential of the circular economy to **generate employment and enhance economic development**.

Improve

Improve **system efficiency** by reducing natural resource consumption, minimising waste generation, preserving the environment, and lowering economic costs for both producers and consumers.

Serve

Serve as a **pilot laboratory** for corporates and startups working in digital design, advanced manufacturing, and nature-based solutions.



Business support

Programmes to support companies in incorporating circular economy principles, with a focus on **seed-stage startups, growth-phase ventures, and validated businesses.**



Training and Awareness-Raising

Design and delivery of educational sessions, events, and talks open to both the business community and the general public. These initiatives aim to disseminate circular economy principles and promote a deeper understanding of their practical applications.



Experimentation and Laboratories

Open laboratories dedicated to digital manufacturing and nature-based solutions, providing hands-on spaces for innovation, prototyping, and testing.



SNBLAB-CIEC DATA COLLECTION AND PROCESSING NETWORK USING TELEMETRY

A data collection network based on sensors, data processing and responsive actions, developed within the CIEC's inclusive Nature-Based Solutions Laboratory (SBNLab).

It enables the parameterisation and monitoring of the behaviour of various green products and prototypes tested in the lab.

Madrid City IoT Laboratory

An initiative of the Madrid Digital Office, in collaboration with UPM (CeDInt), to establish the Madrid City IoT Laboratory.



Objectives

Define criteria and guidelines for use by municipal technical teams and suppliers.

Develop a common IoT infrastructure for the city, based on open, secure, and interoperable standards.

Ensure scalability across the city of Madrid.

Support Govtech initiatives applying this technology across different areas of the city.



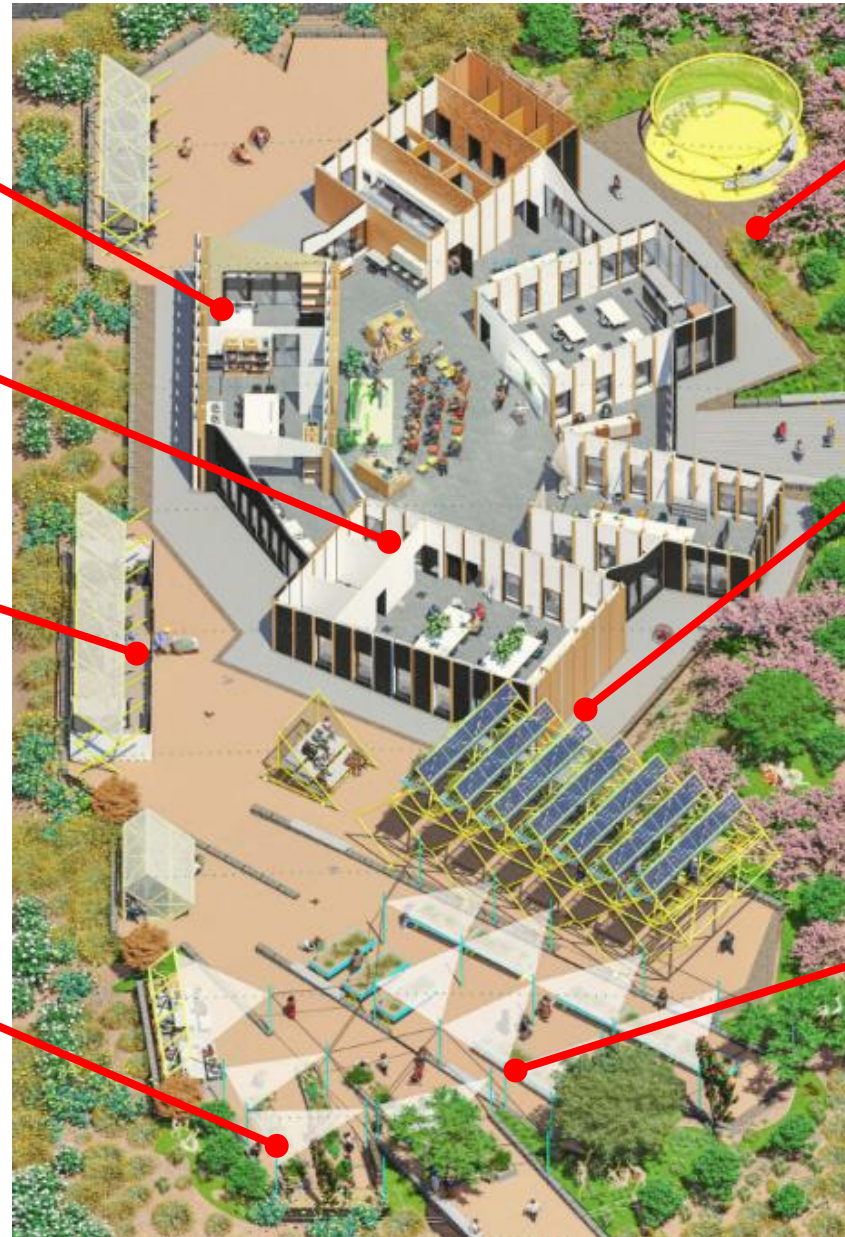
SPACES' DISTRIBUTION SNBLAB-CIEC

Weather station

Management software

Composting Area pH, temperature, and humidity sensors

Cultivation terraces
Temperature and humidity sensors and irrigation control



Experimental grasslands Equipped with sensors to measure soil moisture at three different depths.

Pergola with growing tables under solar panels, filled with sensors for temperature, humidity, irrigation control, electricity production, and temperature impact on solar panels

Growing tables
Integrated temperature and humidity sensors, plus automated irrigation control systems.

CIEC Madrid - Key figures

2022 - 2025

16,200 Participants in CIEC activities

8,800 hours of training delivered (employment and general skills)

32 affiliated corporates

11 collaborating companies

44 companies participated in *Circularización* program

97 startups supported through CIEC's programs

45% of startup CEOs are women

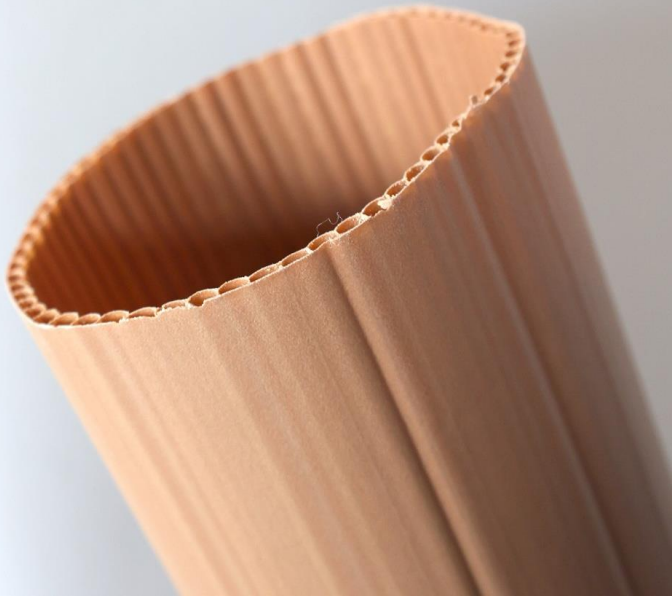
280 jobs created by CIEC-supported startups

33 patents registered by participating entities

10M€ in investment and financing raised by CIEC-supported startups



centro de
innovación
en economía
circular
de madrid



CASE STUDIES

Startups

Compostree®



Fab Lab

acciona

asecom

SBN Lab



EL EJIDILLO
VIVEROS INTEGRALES



CIEC AWARDS



EUROCITIES AWARDS 2024

Innovation ecosystems:
attracting and retaining
talent



Fab City 2025
Technological
innovation and
sustainable circularity



We create chemistry

BASF AWARDS 2024 Best public initiative



Special Prize for
Leadership in Circular
Economy Innovation

THANK YOU

