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CirBioWaste

Fostering innovative and sustainable bio-waste management and circular bio-economy in the Mediterranean area

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Online Training

Community Composting

October 9th 2026

Antoni Sánchez

UAB Universitat Autònoma de Barcelona | FUNDACIÓ ent | Consorzio Italiano Compostatori | zero. | Ecological Recycling Society | Regional Energy Agency - Pazardjik

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A short presentation about me:



Professor in Department of Chemical, Biological and Environmental Engineering.

GICOM researcher.

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A short presentation about GICOM:

GICOM
Grup d'investigació en Compostatge
Universitat Autònoma de Barcelona

SCAN ME

A consolidated research group focused on composting, anaerobic digestion and solid-state fermentation. The aim is to convert organic waste into compost, biomethane and added-value bioproducts such as biopesticides, biosurfactants and biostimulants.

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The Interreg Euro-MED Programme

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The Interreg Euro-MED Programme at a glance

14 Countries / 69 regions
Budget: 294M€ (235M€ of Interreg Funds)





Interreg Euro-MED

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4 interconnected and complementary missions to reach climate-neutral and resilient society



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Interreg Euro-MED's missions: a comprehensive approach

Strengthening an innovative sustainable economy



Protecting, restoring and valorising the natural environment and heritage



Promoting green living areas



Enhancing sustainable tourism



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Mission

Strengthening an innovative sustainable economy

- support **transnational cooperation of 4 helix** stakeholders
- favour increased **innovation activities, services and** organisational **patterns** towards **circularity**



- encourage the uptake of **sustainable production and consumption practices**
- improve co-implementation and **coordination** with **Regional Smart Specialization Strategies (RIS3)**

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The Context

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Interreg Euro-MED

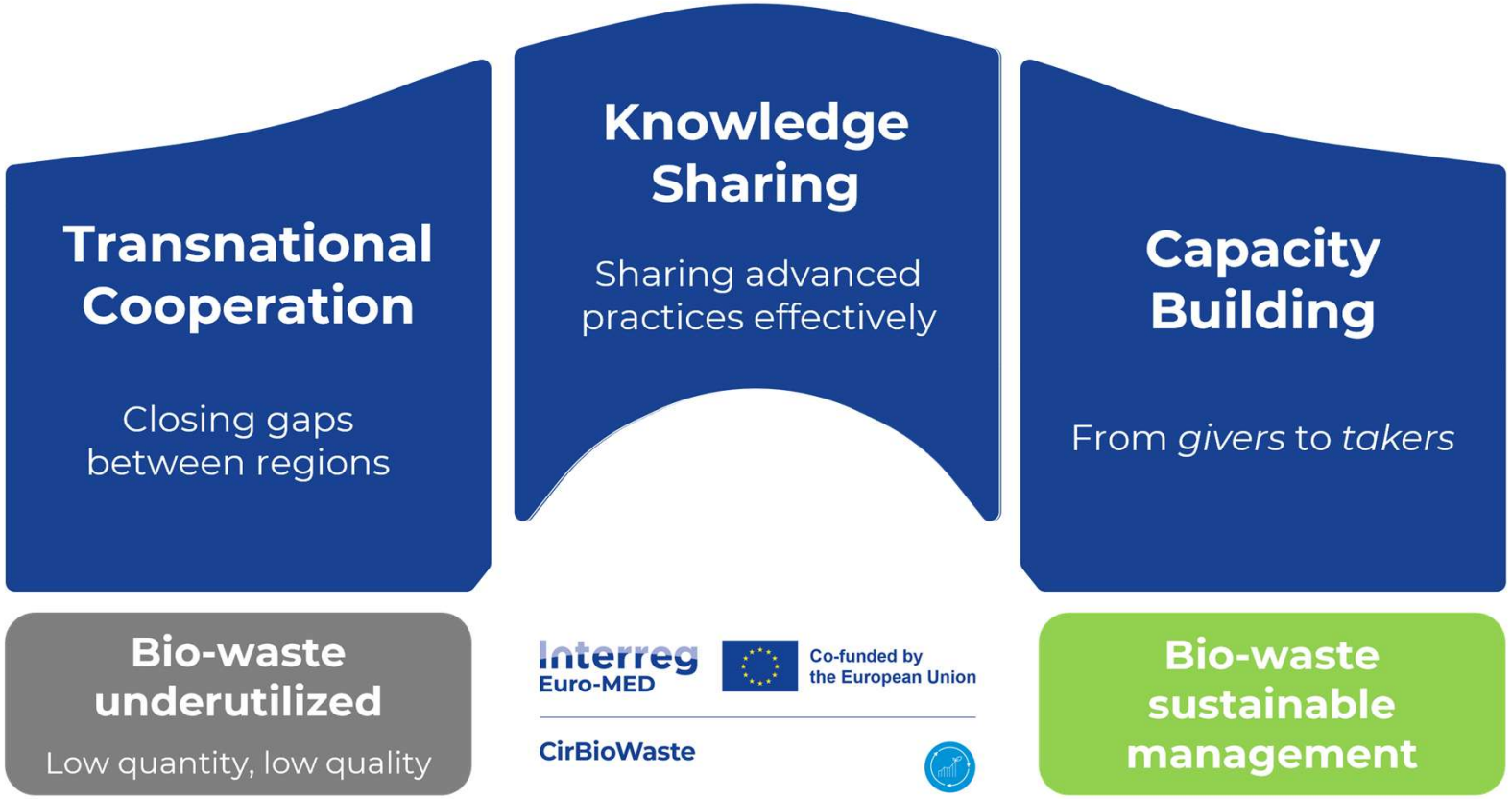
Are we losing the potential of the largest municipal waste fraction in the EU?





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Interreg Euro-MED



Support the development of sustainable Bio-waste management

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The Project:

https://cirbiowaste.interreg-euro-med.eu/

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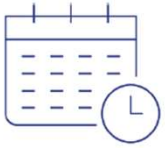
General information about CIRBIOWASTE

- *"Fostering innovative and sustainable bio-waste management and circular bio-economy in the Mediterranean area";*
- **Mission of the Interreg Euro-MED:** Strengthening an innovative, sustainable economy
- **Main project goal:** To support the improvement of environmental resilience and foster the transition to an efficient and circular bioeconomy in the MED area;



Total budget

€ 1.381.630,50



Project duration

27 months

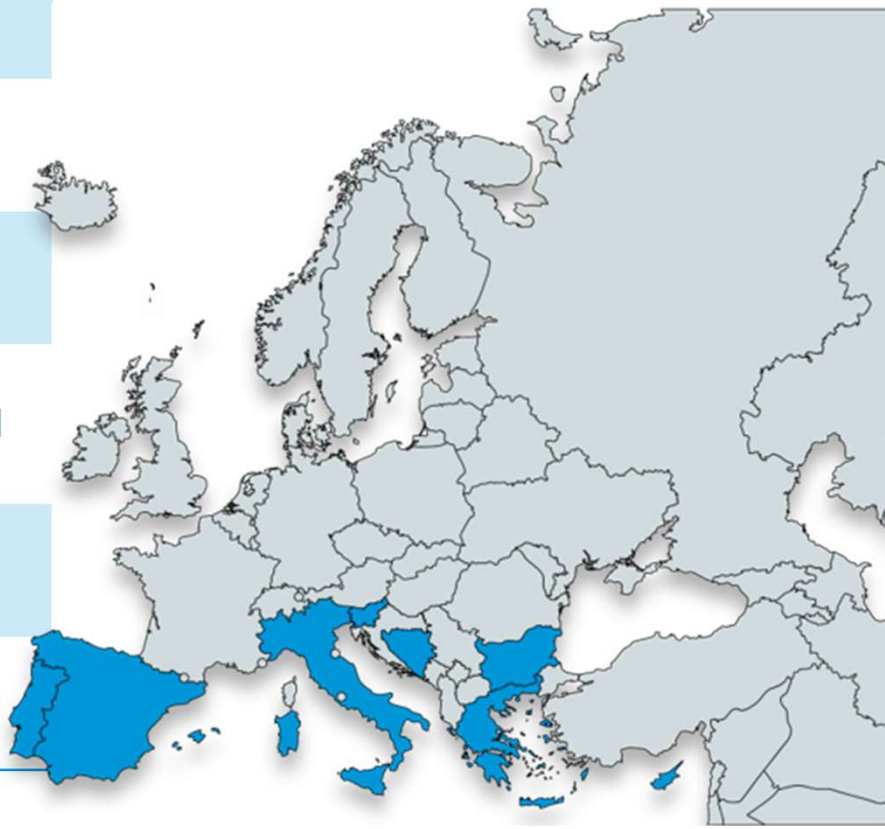


Interreg Funds

€ 1.105.304,40

Project Partners

LOGO	PARTNER	NAME	COUNTRY
UAB Universitat Autònoma de Barcelona	UAB	Autonomous University of Barcelona **Lead Partner**	Spain
FUNDACIÓ ent	FUNDACIÓ ENT	ENT FOUNDATION	Spain
CONSORZIO ITALIANO COMPOSTATORI	CIC	Italian Compost and Biogas Consortium	Italy
zero.	ZERO	ZERO – Association for the Sustainability of the Earth System	Portugal
Ecological Recycling Society	Ecorec	Ecological Recycling Society	Greece
Regional Energy Agency - Pazardjik	REAP	Regional Energy Agency of Pazardjik	Bulgaria



18 associated regions, counties, municipalities, waste public companies, research centers, universities, etc., complementing the partners in each of the countries

Associated Partners

ASSOCIATED ORGANISATIONS	RESPONSIBLE PROJECT PARTNER	COUNTRY
Lleida Agri-Food Science & Technology Park; Cerdanyola del Vallès City Council; University of Ljubljana (Biotechnical faculty);	UAB	Spain
Waste Agency of Catalonia; "Association of Catalan Municipalities for Door-to-Door Selective Collection"; ENTPallars Sobirà County Council;	FUNDACIO ENT	Spain
European Compost Network; ACR+ Association of Cities and Regions for sustainable Resource management; National Association of Environmental Protection and Defence Companies; Gestione Ambientale Integrata dell'Astigiano SpA;	CIC	Italy
Association of Municipalities of Central Alentejo; Zero Waste Europe; Polytechnic Institute of Beja;	ZERO	Portugal
Municipality of Skiathos; Green Fund; Ministry of environment and energy; Municipality of Marathon;	Ecorec	Greece
Municipality of Bratsigovo; Municipality of Strelcha.	REAP	

About the project

The project promotes the **implementation of sustainable bio-waste management** to reduce environmental impact and create social and economic benefits in the EU MED area.



Based on this, **CirBioWaste will establish a platform** that represents the experience and knowledge exchange of different countries involved in the project. The activities related to fostering awareness to ensure proper quality of the bio-waste separated at source, and proper use of the recycled products.

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Project work plan

- **WP 1:** Support the implementation of strategies and action plans to improve bio-waste management;
- **WP 2:** Sharing knowledge and raising awareness by providing supporting tools and capacity building;
- **WP 3:** Dissemination and capitalization of project outputs to achieve the widest impact in the EU MED area.

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Environmental assessment of home composting

Joan Colón [a b], Julia Martínez-Blanco [c], Xavier Gabarrell [a c], Adriana Artola [a b], Antoni Sánchez [a b], Joan Rieradevall [a c], Xavier Font [a b]

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Resources, Conservation and Recycling

Date: September 2010
Pages: 893-904
Volume: Volume 54, Issue 11

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Article preview

Abstract

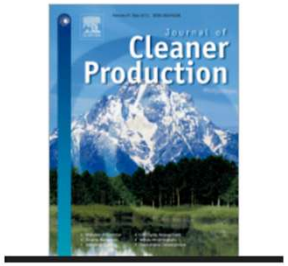
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Volume: Volume 47

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Research Paper

Addressing the gaseous and odour emissions gap in decentralised biowaste community composting

Daniel González [a], Raquel Barrena [a], Javier Moral-Vico [a], Ignacio Irigoyen [b], Antoni Sánchez [a] Show more

Waste Management

Date: 15 April 2024

Pages: 231-238

Volume: Volume 178

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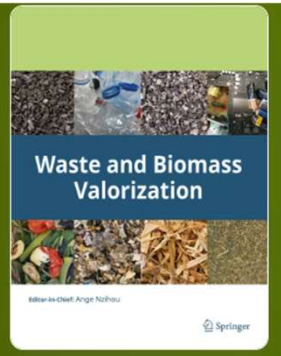
Home > Waste and Biomass Valorization > Article

A Community Composting Initiative to Valorise Kitchen Biowaste in a Catalan Primary School: Process Performance, Greenhouse Gases and VOC Emission Analysis

Original Paper | Open access | Published: 11 April 2025

Volume 16, pages 5965–5976 (2025) Cite this article

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Aims and scope →

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REVIEW article

Front. Chem. Eng., 26 April 2022

Sec. Environmental Chemical Engineering

Volume 4 - 2022 | https://doi.org/10.3389/fceng.2022.850308

Decentralized Composting of Food Waste: A Perspective on Scientific Knowledge



Antoni Sánchez *

Composting Research Group, Department of Chemical, Biological and Environmental Engineering, Edifici Q, Carrer de les Sitges, Universitat Autònoma de Barcelona, Barcelona, Spain

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But it is time for experts!

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Stay tuned to discover CirBioWaste's knowledge hub.



Help us reach further and spread our events.

We will release the first capacity-building events soon!

https://cirbiowaste.interreg-euro-med.eu/

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Thank you!

Name of the presenter: Antoni Sánchez
Organization: UAB
Tel. / E-mail: 34-935811019 / antoni.sanchez@uab.cat

https://cirbiowaste.interreg-euro-med.eu

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