



Plastics, Packaging

Strategies to solve the
problem of hardly recyclable
Packaging Materials



Bio-Waste

Extracting valuable compounds
from different Bio-waste streams



Water

Water Symbiosis Strategies
in Industry, Agriculture, and
Urban contexts

 **CIRCSYST** Circular Systemic
Solutions
PLASTIC • PACKAGING • BIO-WASTE • WATER



Start 2024



36 mo



€ 10.24 M



32 partners



9 pilots /
8 regions



About CircSyst

CircSyst (Circular Systemic Solutions for Plastic, Packaging, Bio-Waste, and Water) is a cutting-edge Horizon Europe-funded project, coordinated by AIJU, that unites a consortium of 32 public and private entities from eight European countries, including Spain, Belgium, Finland, Greece, Sweden, Austria, Slovenia, Hungary, and the United Kingdom. With a duration of 36 months and a grant of €10,244,330.61, CircSyst is dedicated to driving the transition towards a circular economy by implementing large-scale pilot systems designed to be widely replicated across Europe.

The project focuses on three key value chains identified in the European Commission's Circular Economy Action Plan: **Water Management, Biowaste, and Plastics and Packaging**. These solutions will be demonstrated through **nine pilot projects (DEMOs)**.

CircSyst Circular Systemic Solutions for

Water management

DEMO 1 Reuse of Industrial Treated Waste water through On-Demand Treatment and Management

Location: Riba-roja, Valencian Community (Spain)

DEMO 2 Agricultural and Utilities Uses for Reclaimed Urban Water

Location: Maribor, Podravje (Slovenia)

DEMO 3 Smart Wastewater Management as a Solution to Water Scarcity and Floods in Urban Areas

Location: Flanders (Belgium)

DEMO 4 Integrated Tools and Methodologies for Smart Water Symbiosis Management

Location: Visby, Gotland (Sweden)

Bio-waste

DEMO 5 Flexible and Intelligent Biorefinery Approach

Location: Helsinki, Päijät-Häme-Lahti (Finland)

DEMO 6 Valorisation Routes of Bagasse Waste

Location: Castilla-La Mancha (Spain)

Plastics and Packaging waste

DEMO 7 Mechanical Recycling of mPET

Location: Alicante, Valencian Community (Spain)

DEMO 8 Circular Approaches to Sustainable Valorisation of Food Waste Plastics with Social Inclusion

Location: Thessaloniki (Greece)

DEMO 9 Packaging for Food Value Chain Redesign Towards the Substitution of Plastics

Location: Leányvár, East and Central Hungary (Hungary)

CircSyst: Driving Systemic Change for a Circular and Sustainable Europe

By fostering cross-sectoral and cross-border collaboration, CircSyst aims to contribute significantly to the **European Circular Cities and Regions Initiative (CCRI)**, helping to bridge existing gaps in knowledge, skills, and awareness as identified by the **European Commission**. Therefore, CircSyst is more than a project; **it is a commitment to creating a sustainable future by advancing circular economy principles across Europe**, showcasing how innovative, systemic solutions can drive regional economic systems towards greater sustainability.

PARTNERS



ASSOCIATED PARTNERS



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The CircSyst project is funded by the European Union in the framework of Horizon Europe Research and Innovation Programme under Grant Agreement N. 101135505

