

LIFE18 IPE/GR/000013
LIFE-IP CEI-GREECE
Circular Economy Implementation in Greece



Project Overview

LIFE-IP CEI-Greece - Circular Economy Implementation in Greece



The project LIFE18 IPE/GR/000013 is co-funded by LIFE programme of the EU



The project LIFE18 IPE/GR/000013 is co-funded by the Green Fund



Main project elements



1

AIM

The integrated LIFE project LIFE-IP CEI-Greece aims to contribute towards the implementation of the National Waste Management Plan, the National Waste Prevention Plan and the National Strategy for Circular Economy

2

PARTNERS

19

3

DURATION

8 years (1 NOV 2019 – 31 OCT 2027)

4

PHASES

4 biannual

5

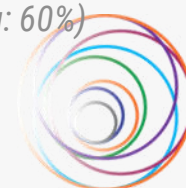
ACTIONS

A. Preparatory actions, C. Concrete implementation actions, D. Monitoring of the impact of the project actions, E. Public awareness and dissemination of results, F. Project Management and monitoring of project progress

6

BUDGET

15,93 m € (EU co-funding: 60%)



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Project partners

1

Ministry of Environment and Energy (MEEN) – Coordinating beneficiary



2

Green Fund – Public body organisation



3

Natural Environment and Climate Change Agency (NECCA) – Public body organisation



4

Hellenic Recycling Agency (HRA) – Public body organisation



5

Hellenic Body for Standardisation (ELOT) – Public body organisation



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Project partners (2)

6

Municipality of Tinos



7

Municipality of Alonissos



8

Municipality of Thira (Santorini)



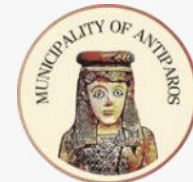
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Municipality of Paros



10

Municipality of Antiparos



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Project partners (3)

11

Municipality of Nafpaktia



12

Municipality of Vari-Voula-Vouliagmeni



13

Municipality of Athens



14

Municipality of Thessaloniki



15

Network of Sustainable Greek Islands (DAFNI) – Local authority organisation



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Project partners (4)

16

DIADYMA S.A. – Local authority waste management organisation



17

Harokopio University of Athens – Academic institution



ΧΑΡΟΚΟΠΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ
HAROKOPIO UNIVERSITY

18

Ecological Recycling Society - NGO



Ecological Recycling Society

19

Terra Nova – Private company



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Project objectives

The development of pilot actions in 9 municipalities and 1 region to promote the practical implementation of waste hierarchy:

- ◆ Integrated Waste Management based on circular economy principles (5 insular and 1 mountainous municipalities)
- ◆ Preparation for reuse and separate waste collection (2 urban municipalities)
- ◆ Hazardous household waste management (1 urban municipality and 1 region)
- ◆ Implementation of financial tools (1 urban municipality)

1
PILOTS

2
FOOD WASTE
PREVENTION

- ◆ Implement actions to promote food waste prevention and development of local/regional alliances for Agro-Food Waste Management in the context of circular economy

- ◆ Enhance the use of economic instruments, as well as developing secondary materials standards to support the implementation of circular economy

3
ECONOMIC
INSTRUMENTS

4
MONITORING

- ◆ Build-up a knowledge base to support monitoring of circular economy, particularly in the field of waste management

Project objectives (2)

- ◆ Develop alliances for the agri-food waste management as part of circular economy

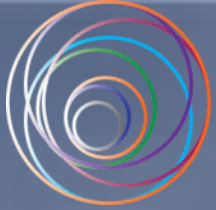


- ◆ Improve awareness of key stakeholders, authorities and the general public with respect to the concept of circular economy and its implication in waste management

- ◆ Mobilize complementary funding resources to support the effective implementation of the National Waste Management Plan



- ◆ Disseminate the project results and ensure their implementation and replication in other areas



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PILOT AREAS

Urban Areas

Athens, Vari-Voula-
Vouliagmeni, Thessaloniki

Insular Areas

Tinos, Alonissos, Santorini,
Paros, Antiparos

Mountainous Area

Nafpaktia

Regions

Western Macedonia

WASTE STREAMS

Materials with high circular
capacity

Streams with targets set by
legislation

Hazardous household waste

Food waste

Agri-food waste

TOOLS

Integrated and circular waste management
systems

Preparation for reuse and separate collection
infrastructure

Financial tools (Pay-As-You-Throw)

Local/Regional alliances

Voluntary agreements

Awareness, dissemination & vocational
education

Περιφέρεια
Δυτικής Μακεδονίας

Δήμος Θεσσαλονίκης

Αλόννησος

Δήμος Ναυπακτίας

Δήμος Αθηνών

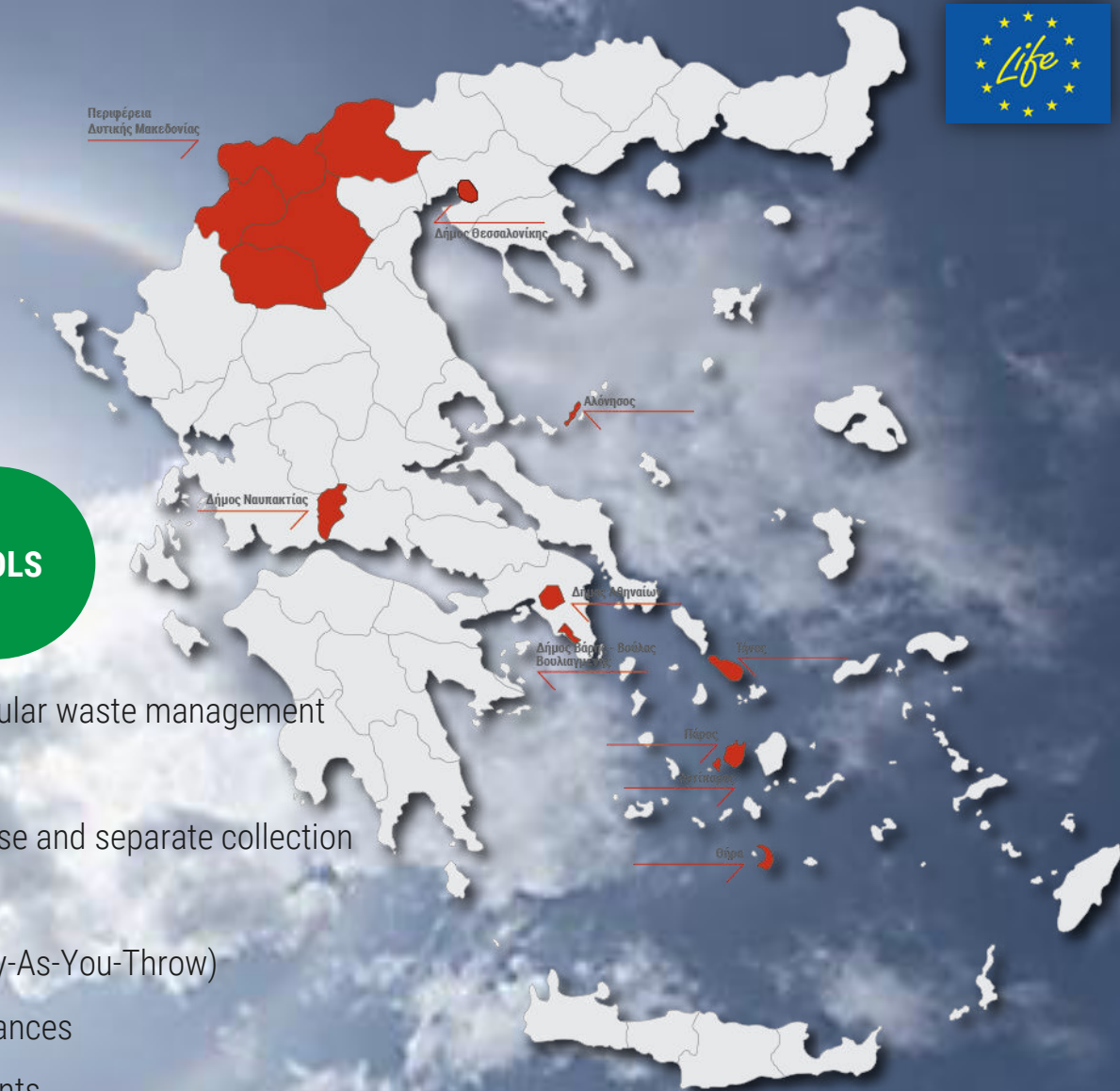
Δήμος Βάρης - Βούλας
Βουλιαγμένης

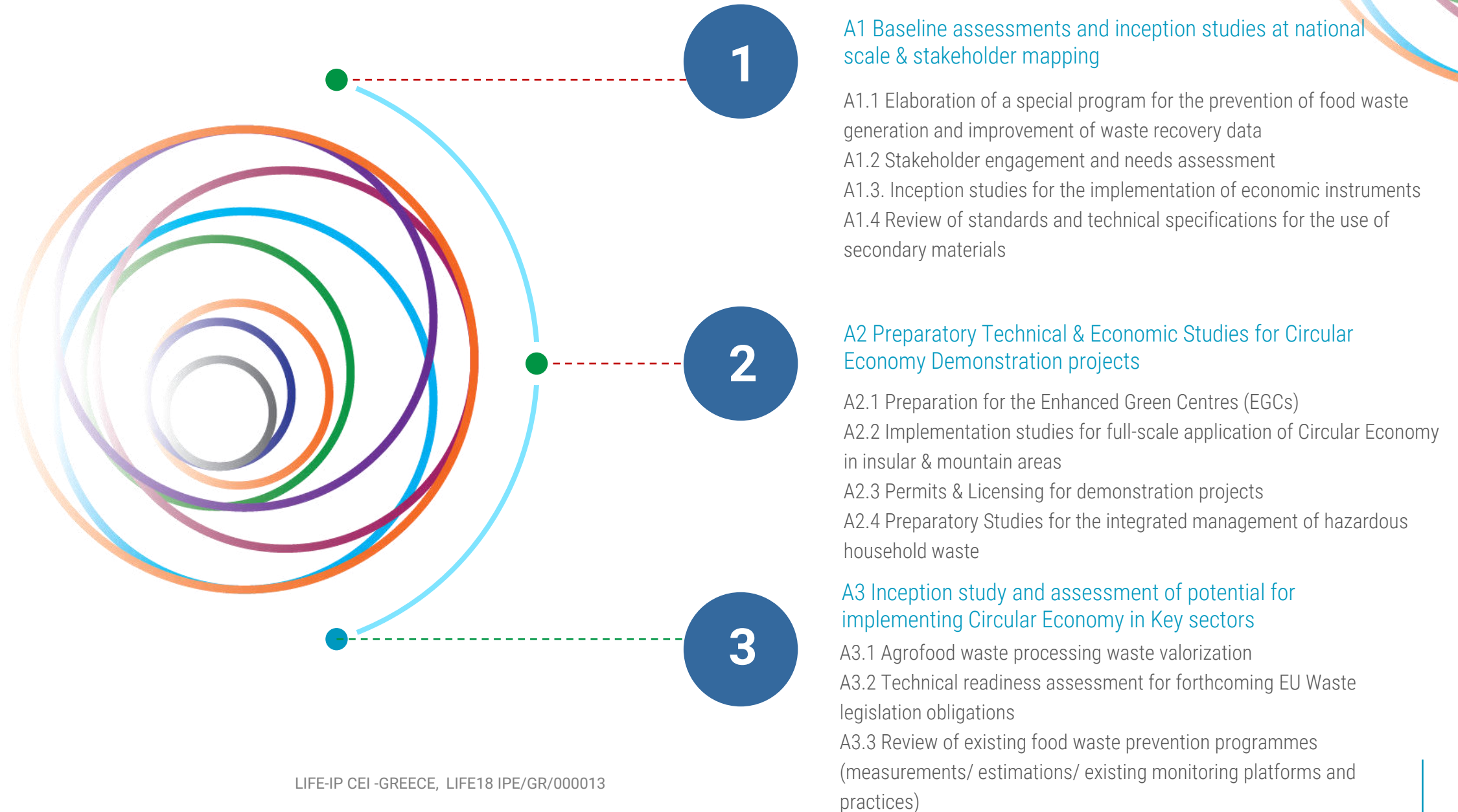
Τάινος

Πάρος

Σαντορίνη

Θήρα



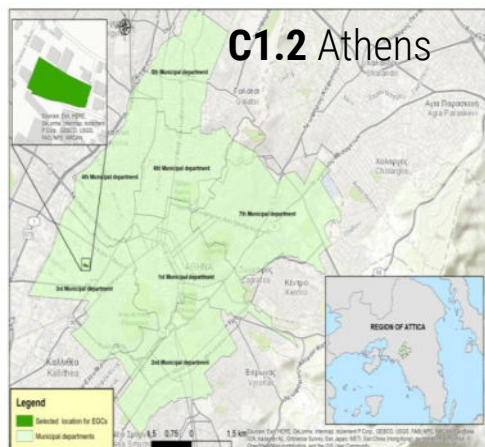




C1.1 Thessaloniki

C1 Construction & Operation of Enhanced Green Centers (EGCs)

Not just for collecting waste but also for selecting items (such as furniture, WEEE, clothes and textiles, books, toys, etc.) for reuse or preparation for reuse



C1.2 Athens



C2.1 Alonissos



C2.2 Paros - Antiparos



C2.3 Tinos



C2.4 Thira (Santorini)



C2.5 Nafpaktia

C2 Application of EU Circular Economy Package in selected Insular & Mountainous areas

In three successive stages:

1. supply of the necessary equipment and creation of the collection network
2. licensing of the relevant functions
3. integrated waste management and detailed coordination

C3 Full scale implementation of hazardous household waste (HHW) collection networks and management

Municipality of Athens & Region of Western Macedonia



C3.1 Setting-up of necessary equipment and collection network for HHW in the Municipality of Athens and in the Region of Western Macedonia

C3.2 HHW collection and management operation license in the Municipality of Athens and the Region of Western Macedonia

C3.3 HHW collection and management operation phase in the Municipality of Athens and the Region of Western Macedonia

C4 Food waste prevention

The actions focus on creating an effective system for monitoring and preventing the generation of food waste throughout the food supply chain from production to consumption, in line with the guidelines of the National Strategy for the Circular Economy and the Directive (EU) 2018/851.



C4.1 Baseline and annual assessment of food waste generation in Greece

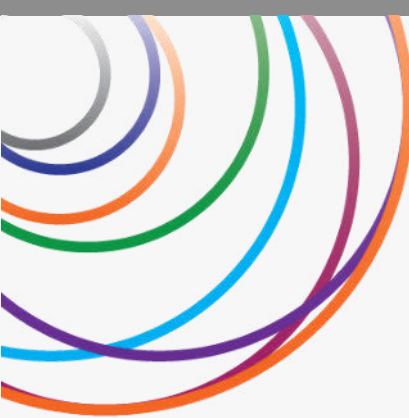
Development of a methodology to measure the amount of food waste, the estimation of a baseline for food waste generation in Greece

C4.2 Development and operation of a Food Waste Prevention Monitoring and Management Platform

Development and operation of a platform that will serve as a catalyst for monitoring and management of food waste prevention

C4.3 Excess food and food waste prevention demonstration actions

Demonstration actions for the management of surplus food and food waste prevention, will be organized and set in operation in a Central Wholesale Market that will be selected through an open call.



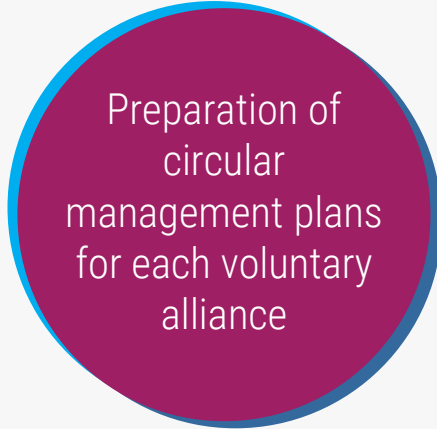
C5 Development of local / regional alliances for agri-food waste management



Implementation of
waste
management
solutions in the
agri-food sector



Bilateral
agreements
between MEEN &
alliances

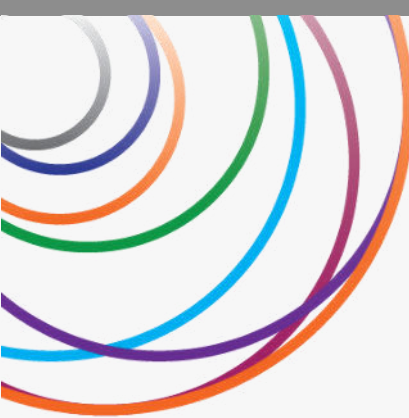


Preparation of
circular
management plans
for each voluntary
alliance



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C6 Application of economic instruments in support of Circular Economy

Development of CE technical specifications for financial tools and integration of CE Indicators & Technical specifications for waste management

C6.1

The aim of this Sub-Action is to embed CE indicators in existing or new funding tools that will support CE or that will allow better monitoring of CE.

Development or updating of standards for the implementation of the National Circular Economy Strategy

C6.2

New standards will be produced for sectors/materials/solutions not covered by existing or ongoing standardisation.

Implementation of PAYT

C6.3

Implement the Pay-As-You-Throw scheme in the Municipality of Vari – Voula – Vouliagmeni



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C7 Capacity Building Actions



C7.1

Targeted capacity building workshops



C7.2

Development of a Stakeholder Food Waste Prevention Forum



C7.3

Distance Training for stakeholders



C7.4

Development of a web-based National Circular Economy Repository



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D Monitoring of the impact of the project actions



- D1 Development of Circular Economy Indicators at national scale and for key economic sectors and value chains
- D2 Monitoring of Circular Economy Indicators at national scale and for key economic sectors and value chains
- D3 Monitoring the impact of the pilot and demonstration project actions
- D4 Socio-economic impact assessment
- D5 Environmental impact assessment, enhancement of ecosystem services

Public awareness and dissemination of results



E1.1
Dissemination Plan
and Communication
Strategy

E1.2
Public Opinion Research
and Focus Groups

E1.3
Recycling, Repair and
Reuse (RRR)
Experiential Park in
Thessaloniki

E1.4
Maintenance of website
and portal/Social media
accounts

E1.5
Information/
Audiovisual material
development

E1.6
Notice boards

E1.7
Regional awareness-
raising events (info
days)

E1.8
Local awareness raising
events for the LIFE-IP
CEI Greece
Demonstration Actions

E1.9
Project Conferences

E1.10
Layman's Report

E2
Networking with other
LIFE and/or non-LIFE
projects, EU and
international initiatives

E3
EU and International Thematic
workshops



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Expected results



1

Operation of 3 Enhanced Green Centers (EGCs) (1 in the Municipality of Thessaloniki and 2 in the Municipality of Athens) to support Reuse activities, apart from the separate collection of waste

2

Development and operation of five (5) integrated waste management systems implementing the waste hierarchy and the new legislative framework on waste based on the principles of circular economy (4 in insular areas: Municipalities of Tinos, Alonissos, Thira, Paros & Antiparos and 1 in a mountainous area: Municipality of Nafpaktia)

3

Development and operation of 2 integrated hazardous household waste collection and management systems (in the Municipality of Athens and in the Region of Western Macedonia)

4

Full implementation of a Pay-As-You-Throw (PAYT) system in the Municipality of Vari-Voula-Vouliagmeni

5

Development of a baseline for registering and monitoring food waste generation



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Expected results



6

Development of a Platform and a Forum for monitoring and managing of food waste prevention

7

Development and operation of a Recycling, Repair and Reuse (RRR) Experiential Park in the Municipality of Thessaloniki

8

Development of national Circular Economy (CE) indicators and establishment of the Circular Economy Observatory

9

Development of a Web-based National Circular Economy Repository

10

Development of up to ten (10) new standards for secondary raw materials



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Expected impacts



Improvement of the waste management services provided by the Municipalities

Improving the environmental performance of companies / industries in the agri-food sector

Promotion of food waste prevention

Improvement of citizens' attitudes towards waste management:

- Prevention
- Reuse
- Preparing for reuse
- Separate collection
- Active Participation

Capacity building, tools and synergies to strengthen the Circular Economy

Awareness raising of stakeholders for the development of the Circular Economy

Integration of Circular Economy principles in the funding criteria



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Contact us



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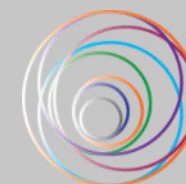


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