



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



Project Overview
Green Fund

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



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



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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

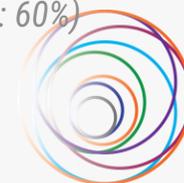
ACTIONS

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)



9

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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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)



- ◆ 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



- ◆ 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



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



KEY actions | LIFE-IP CEI-Greece

► Construction of 3 Enhanced Green Centres (EGCs)

CHALLENGES

- Densely populated municipalities (Athens & Thessaloniki)
 - Limited availability of land
- ### ►
- Public perception of current waste management practices
 - Permitting procedure

SOLUTIONS

- Transfer of one EGC to another partner municipality (Vari-Voula-Vouliagmeni)
- Extensive dissemination campaign
- Close cooperation with relevant permitting authorities

KEY actions | LIFE-IP CEI-Greece

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

➤ CHALLENGES

- Data collection & availability
- Waste Management Electronic Register compliance issues
- Trust issues (usually hiding bad practices)
- Seasonality of waste production in terms of quantity and quality

SOLUTIONS

- Existing circular practices will be disseminated
- Extensive data collection campaign – Interviews and Site visits

KEY actions | LIFE-IP CEI-Greece

➤ Agrofood Alliances

AIMS

- - Identification and facilitation of potential alliances
- Development of Agrofood Waste Management Plans per established alliance
- Financial engineering of the agro-food waste management projects per established alliance
- Monitoring the maturation, implementation and operation status of the Agrofood Waste Management projects per established alliance
 - Techno-economic maturation;
 - Development of alliance's business plan;
 - Economic viability of the alliance;
 - Project implementation progress;
 - Environmental impact assessment;
 - Revolving funding of new projects.

KEY actions | LIFE-IP CEI-Greece

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

AIMS

- ▶
 - Set-up of the HHW collection network in the Region of Western Macedonia
 - Set-up of the HHW collection network in the Municipality of Athens

EXPECTED RESULTS

The total HHW quantities that are estimated to be managed during the project are:

- Region of Western Macedonia will be ~1,700 tn (289.4 tn/yr)
- Municipality of Athens they are estimated to be ~4,000 tn (677.3 tn/yr)



KEY actions | LIFE-IP CEI-Greece

► PAYT implementation in the Vari-Voula-Vouliagmeni Municipality

► CHALLENGES

- Pay-As-You-Throw system full implementation for a 50,000 inh. municipality
- First full implementation in Greece
- ≈11,400 residential buildings and offices produce 60% of municipal biowaste
- ≈ 330 restaurants, hospitals and hotels produce 40% of municipal biowaste

OPPORTUNITIES

- Capitalisation on previous EU funded projects (Benefit As you Save – BAS – Interreg Balkan-Mediterranean)
- LIFE-IP CEI-Greece

KEY actions | LIFE-IP CEI-Greece



Food waste prevention



AIMS

- Baseline and annual assessment of food waste generation in Greece (obligation of Directive (EU) 2018/851 which states that on an annual basis: *Member States should measure progress made in the reduction of food waste*),
- Development and operation of a **Food Waste Prevention Monitoring and Management Platform**,
- Excess food and food waste prevention demonstration actions (new partner)

KEY actions | LIFE-IP CEI-Greece

Capacity Building



C7.1

Targeted capacity building workshops



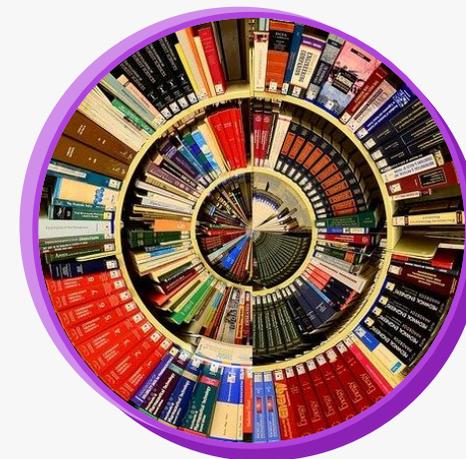
C7.2

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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