

CHANIA 2023

10th International Conference on Sustainable
Solid Waste Management Chania, Greece
21 - 24 JUNE 2023

LIFE NETWORKING SESSION



Circular Economy Implementation in Greece.

Waste Prevention Actions for the WEEE and Food
Waste Priority Streams: the LIFE REWEEE and
LIFE IP CEI Greece Projects

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ΧΑΡΟΚΟΠΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ
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“53.6 Mt of e-waste was generated worldwide in 2019”
→ which translates to 21% up in just 5 years

“global e-waste will reach 74 Mt by 2030”
→ which translates to almost a doubling of e-waste tonnage in just a decade and a half

**This makes e-waste
the world's fastest-
growing waste
stream**

Source: UN Global E-waste Monitor 2020

**“With 7 years left to reach the
SDG 12.3 target of halving food
waste by 2030 and reducing food
losses by at least 25 %, the pace of
actions must increase”**

said UN Deputy Secretary-General

“931 Mt of food waste was generated in 2019”
→ Which suggests that 17% of total global food production is
wasted

“food waste appears more than twice the previous estimate”

“people affected by hunger rose to 828 million in 2021”

“Food waste account for 8-10 % of global GHGs”

UNEP's Food Waste Index Report

ReWeee

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Project Title

“Development and Demonstration of Waste Electrical & Electronic Equipment (WEEE) Prevention and Reuse Paradigms”

Implementation Duration
January 2016 – August 2020

Project Objective

WEEE reduction and reuse strategy implementation

Total Budget

€2,161,405

EC contribution 60%

LIFE+ Environment

Action Areas

- **Greece**
- **Belgium**

Website: www.reweee.gr

Facebook: [reweeeGR](https://www.facebook.com/reweeeGR)

Twitter: [@LReweee](https://twitter.com/LReweee)

Platform Re(W)eee: www.reweee.hua.gr/el

Coordinator Beneficiary



Co-Beneficiaries



Activities

Promotion of WEEE Prevention Culture in GR

- Development of donation/exchange platform (www.reweee.hua.gr/en)
- Promotion of repair culture: Quick guide for repair (www.reweee.gr)
- Implementation of Repair Café events (7 Cafés)

Preparing for re-use activities

- Standards development for infrastructures & preparing for re-use activities
- Infrastructures for sorting & preparing for re-use activities
- Events for promotion of preparing for re-use initiatives



Development and pilot operation of 2 Sorting Centers of WEEE in Attica and Central Macedonia for the first time in GR

Sorting Centers Operational Plan

Activities	
Sorting:	<ul style="list-style-type: none">• WEEE Handling – Loading / Unloading• Load inspection• Categorization in the WEEE categories• Weighting
Preparing for re-use:	<ul style="list-style-type: none">• Sorting of WEEE driven for treatment or preparing for re-use activities – visual inspection• Initial Inspection• Functional tests• Data erasing• Software removal / installation• Repair• Repeat tests• Cleaning
Put on the market / donation:	<ul style="list-style-type: none">• Packaging• Product guarantee

Reporting



Sorting Centers Data Analysis (Feb 2019 – Aug 2021)

Sorting Center	Period	QUANTITIES (kg)							SALES/ DONATION
		Total input (Mixed WEEE to be sorted to categories as set by EU WEEE legislation) (kg)	PREPARING FOR REUSE ACTIVITIES						
			INITIAL INSPECTION		FURTHER INSPECTION				
			Sorted categories (Categories of interest to be visually inspected) (kg)	Second phase of visual inspection/ pass to further inspection (kg)	WEEE Quantities passed at the entry (to be further inspected) (kg)	Fail (back to WEEE treatment / recycling) (kg)	Spare parts/applia nces passed from further inspection (stage c) (kg)	Failed from further inspection (stage c) (kg)	
XEPMEΣ IKE (Central Macedonia)	7/2019 - 8/2021	1,902,457	1,682,805	953,308	458,039	292,738	4,522	198,419	130,254
ECORESET (Attica)	2/2019 - 8/2021	10,239,903	5,276,919	2,135,963	16,481	2,119,482		7.266	7,856
TOTAL OVERALL		12,142,360	6,959,724	3,089,271	489,565	2,400,958	4,522	205.686	138,110
%			OF TOTAL INPUT	OF CATEGORIES OF INTEREST	OF 2 nd PHASE/PASS	OF VISUAL INSPECTION /FAIL			
		OVERALL	57%	44%	15%	84%			



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The Project – Partners

• Ministry of Environment and Energy (MEEN) – Coordinating beneficiary

- Green Fund (GRFU)
- Natural Environment and Climate Change Agency (NECCA)
- Hellenic Recycling Agency (HRA)
- Hellenic Body for Standardisation (ELOT)

• Municipalities of 1) Tinos, 2) Alonissos, 3) Thira, 4) Paros, 5) Antiparos, 6) Nafpaktia, 7) Vari-Voula-Vouliagmeni, 8) Athens, 9) Thessaloniki

• Harokopio University

- Ecological Recycling Society (ERS)
- Network of Sustainable Greek Islands (DAFNI)
- DIADYMA S.A.
- Terra Nova (TN)

• Central Market of Thessaloniki (CMT)



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Aim:

The LIFE Integrated Project “Circular Economy Implementation in Greece - LIFE-IP CEI-Greece (LIFE18IPE/GR/000013) aims to contribute to the implementation of the Hellenic National Waste Management Plan, the Hellenic National Waste Prevention Programme and the Hellenic National Strategy for Circular Economy.

Partners: 20

Duration: 8 years (1 Nov 2019 – 31 Oct 2027)

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

Budget: €15.94MM (EU co-funding: 60%)

WEBSITE

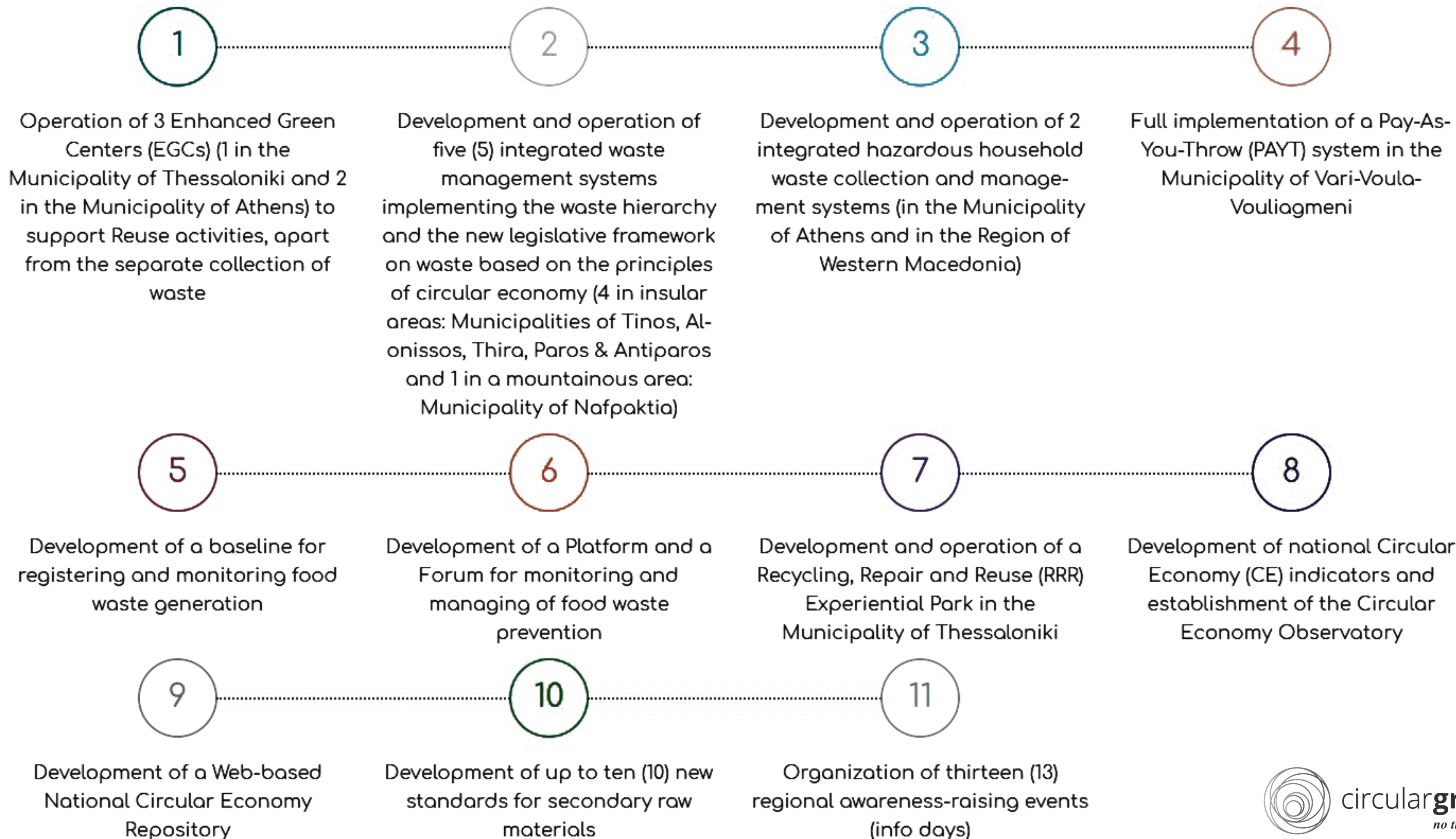
www.circulargreece.gr

SOCIAL MEDIA





The Project Objectives





food waste related actions

Food Waste Prevention Action Plan: (Sub-action A1.1i)

- Empowering individuals and businesses to become champions in reducing food waste
- Creative strategies and practical tips for preventing food waste at every stage of the supply chain

Waste Warriors: Improvement of the waste treatment knowledge base (Sub-action A1.1ii)

- Harnessing cutting-edge technologies to transform food waste into valuable resources
- Advancing our understanding of waste treatment methods for a greener future

Waste Watchers: Review of existing food waste prevention program (Sub-action A3.3)

- Identifying successful initiatives from around the world to inspire effective action
- Evaluating and adapting proven strategies to suit our unique local context

Numbers Matter: Baseline & annual assessment of food waste generation (Sub-action C4.1)

- Comprehensive analysis to understand the scale and impact of food waste
- Ongoing monitoring to track progress and drive continuous improvement

Food Saver Nexus: Development & Operation of a Food Waste Prevention Monitoring & Management Platform (Sub-action C4.2)

- A centralized platform to facilitate real-time tracking of food
- Efficient food donation hub facilitating communication and seamless food donation between potential donors and receivers

Waste-Free Warriors: Excess food & food waste prevention demonstration actions (Sub-action C4.3)

- Showcasing practical examples of preventing excess food and reducing waste

- Engaging the community through interactive events and inspiring success stories

S Stronger Together: Development of local/regional alliances for agro-food waste management (Sub-action C.5)

- Collaborating with key stakeholders to build a network of waste management partners
- Sharing resources, knowledge, and expertise to tackle food waste collectively

Knowledge Empowerment: Capacity building workshops (Sub-action C7.1)

- Empowering individuals and organizations with practical skills and knowledge
- Training sessions on waste reduction, resource optimization, and sustainable practices

Minds United: Development of a Stakeholder Food Waste Prevention Forum (Sub-action C7.2)

- A platform for exchanging ideas, discussing challenges, and identifying innovative solutions
- Fostering collaboration between government, businesses, NGOs, and communities

Learn from Anywhere: Distance Training for stakeholders (Sub-action C7.3)

- Engaging remote participants through virtual training and webinars
- Ensuring inclusivity and enabling knowledge-sharing regardless of location

Circular Economy Hub: Development of a web-based National Circular Economy Repository (Sub-action C7.4)

- A comprehensive online resource center for circular economy practices
- Promoting sustainable waste management, recycling, and upcycling initiatives

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Thank you!

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