

LIFE RE-WEEE project identity

Project title "Development and demonstration of Waste Electrical and Electronic Equipment (WEEE) prevention and reuse paradigms"

ID REWEEE LIFE14 ENV/GR/000858

Implementation Period January 2016 – November 2020
(5 years)

Project Objective Strategy Design and implementation towards WEEE reduction and reuse

Associated Beneficiaries

- Appliances Recycling SA
– Coordinating Beneficiary www.electrocycle.gr
- Hellenic Recycling Agency www.eoan.gr
- Ecological Recycling Society www.ecorec.gr
- Green Fund www.prasinotameio.gr
- Harokopio University of Athens www.hua.gr
- RREUSE www.rreuse.org

Budget 2.161.405 €

Funding The LIFE RE-WEEE project is 60% co-funded by the European LIFE + Environment program. It is also co-funded by the Hellenic Green Fund.

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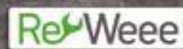
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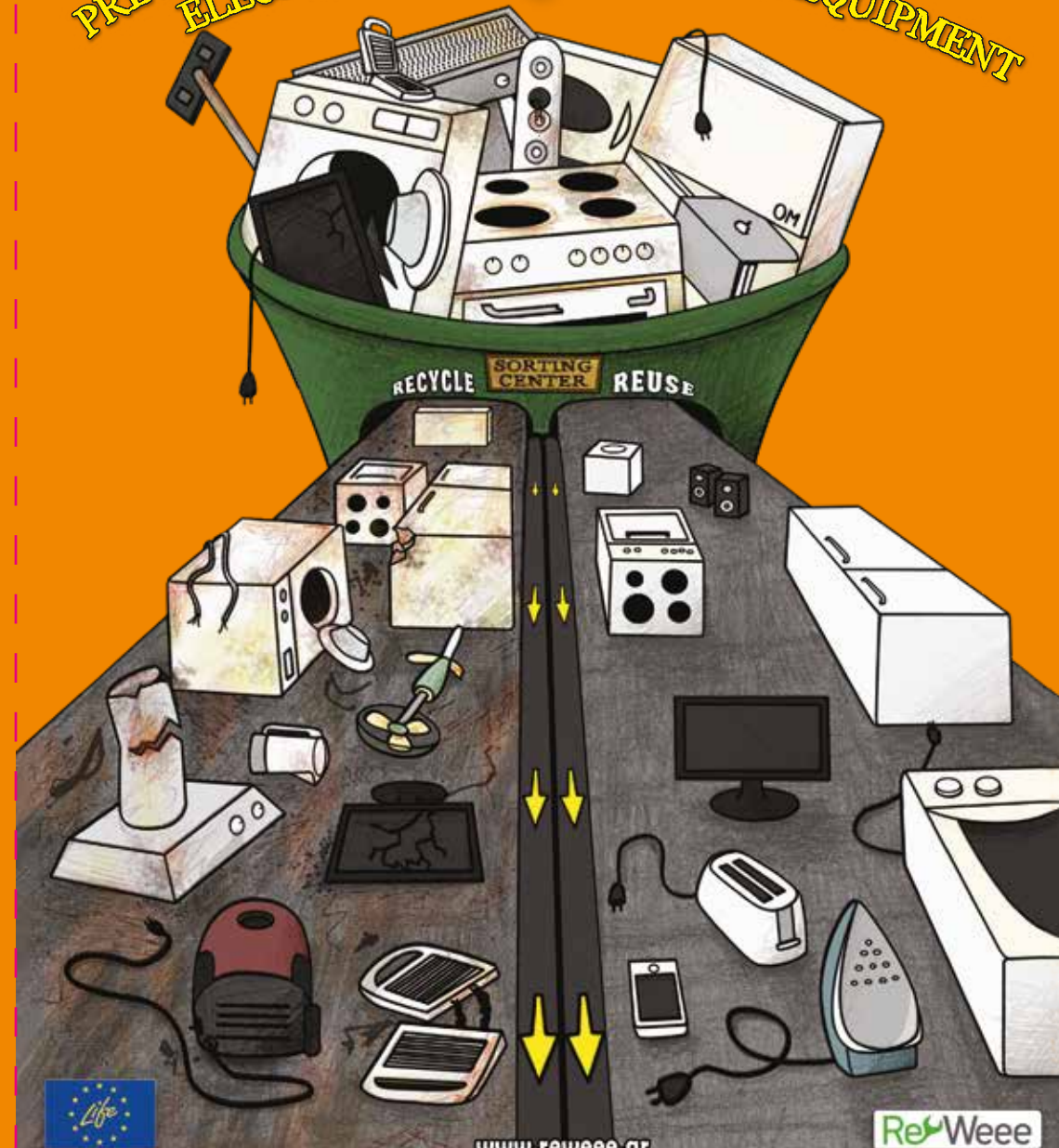


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LIFE RE-WEEE

PREVENTION AND REUSE BEGIN WITH ELECTRICAL AND ELECTRONIC EQUIPMENT



Actions of the LIFE RE-WEEE project

The LIFE RE-WEEE project aimed to set-up preparation for reuse activities of waste electrical and electronic equipment (WEEE) and reuse activities of electrical and electronic equipment (EEE) in Greece. In order to achieve LIFE RE-WEEE's objective, a series of innovative actions were implemented, such as:

- ✓ The operation of the two first **WEEE sorting centers (SCs)** in Greece, one located in the wider region of Attika (Aspropyrgos) and one in Central Macedonia (Oreokastro), under the stewardship of "ECORESET Ltd" and "HERMES Single Member P.C." respectively. The two WEEE SCs' are responsible for the collection, sorting and classification of WEEE and the optimization of the preparation for reuse process.
- ✓ The development of the RE(W)EE **web platform** (<https://reweee.hua.gr/el/>) through which individuals, private companies or public services can donate or exchange EEE, thus promoting waste prevention.
- ✓ **Mapping of** the current state of EEE reuse in Greece.
- ✓ **Mapping and analysis of (preparation for) reuse of (W)EEE** in use **within the EU** and **development of methodologies and tools** for measuring and monitoring in Greece.
- ✓ **Developing proposals** for relevant policy and legislative changes required for promoting the (preparation for) reuse of (W)EEE.
- ✓ **Promotion of EEE repair**, through a series of 7 interactive "Learn to Repair" workshops in Athens and Thessaloniki, with the participation of a large number of citizens.
- ✓ Multiple public **awareness** actions and WEEE reuse promotion.
- ✓ Development and promotion of **3 informative videos** (one for the overall project, one on the use of the web platform and one regarding the Sorting Centers).
- ✓ **Environmental, economic and social impact assessment** of the preparation for reuse, by applying the methodology of environmental and social Life Cycle Assessment.
- ✓ **Development of standards, technical requirements and Guides** based on Best Available Techniques (BAT) for the entire process of WEEE preparing for reuse.
- ✓ Organization of **10 Consultation Fora** during the project. More than 1,000 attendees from 230 different institutions/stakeholders participated, providing significant contributions, particularly concerning the creation of the two SCs.

Multiple benefits of the LIFE RE-WEEE project actions

The key outcomes of the RE-WEEE project are presented below:

Environmental benefits

In total, more than 7,500 tons of WEEE were collected in the two SCs, of which approximately 4,500 tons were subjected to initial inspection and preparation for reuse processes. During the project, 13,535 items of WEEE were diverted from processing/recycling operations and have successfully been prepared for reuse inspections and placed on the market as Reusable Waste Electrical and Electronic Equipment (REWEEE). This saved energy and natural resources needed for the production of new appliances and thus reduced greenhouse gas (CO₂) emissions. Through the preparation for reuse of these appliances, emission of more than 1,000 tons of CO₂ has been avoided. This is equal to the CO₂ absorbed by 62 million trees in a day or the amount of CO₂ emitted by an average of 200,000 cars or about 60,000 European citizens per day (source <http://reutilizayevitaco2.aeress.org/en/>).

Social benefits

Through the two SCs, vulnerable social groups have had direct access to low cost functional appliances as reusable products. Moreover, the two SCs have donated REWEEE to organizations and institutions, in order to cover needs that have arisen as a result of the COVID-19 pandemic. To date, more than 100 units of EEE have been donated by the two SCs to organizations and social organizations. Fully equipped computers, notebooks, laptops, monitors, cordless phones, cameras and monitoring systems were donated to schools, social organization, a hospital and the municipality of Aspropyrgos to assist with operational needs and cover students' distance learning needs during the COVID-19 pandemic. Moreover, it is estimated that within the SCs, one job is created per approximately every 9-10 tons of WEEE, without taking into account the potential jobs created for other activities related to the operations of the SCs such as transport, sales, etc.

Economic benefits

The activities of the LIFE RE-WEEE project have resulted in savings of financial resources for consumers especially those from disadvantaged groups.

