



LIFE Project Number  
**LIFE14/ENV/GR/000858**

**Progress Report**  
**Covering the project activities from 01/12/2018 to 30/09/2019**

Reporting Date  
**31/10/2019**

LIFE PROJECT NAME or Acronym  
**LIFE RE-WEEE**

Data Project

<b>Project location:</b>	Greece
<b>Project start date:</b>	01/01/2016
<b>Project end date:</b>	<b>30/06/2019 Extension date:</b> 31/08/2020
<b>Total budget:</b>	2.161.405 €
<b>EU contribution:</b>	1.247.300 €
<b>(%) of eligible costs:</b>	60%

Data Beneficiary

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## Section 1 - Overall assessment of the achievements and as to whether the project objectives and work plan are still viable

A concise overview and main results by the implementation of the actions in progress are described in this section as following:

**Action B.1:** The "Comparative analysis of the measurements of (W)EEE reuse, used in EU" and the "Integrated Methodology" have been finalized. The requested executive summaries and schematics have been submitted. The results have been shared with relevant stakeholders from the Commission and others. However, the online tool made to help re-use operators reporting their data is still under development.

**Action B.2:** The 5<sup>th</sup> Open Consultation Forum (OCF) was held on 8-9/4/2019. The 5<sup>th</sup> OCF was co-organised along with the 1<sup>st</sup> Circular Economy Forum, organised by the Ministry of Environment and Energy (among others). More information on the Forum is available [here](#). More than 400 participants attended the 2-day Forum while the impact of it was quite high at national and EU level.

**Action B.4:** The "[Good practice guide for WEEE prevention](#)" was prepared in English and is available on the project website, after the relevant comment of the EASME letter for the 4<sup>th</sup> monitoring visit (14-15/3/2019).

**Action B.5:** The tender procedure for the procurement of the equipment for the Oraioakastro Sorting Center (SC) was launched on 13/12/2018 and the equipment installed to the SC on May 2019. In regard to the consumables procurement, the tender procedure was launched on 22/3/2019, due to the redefinition of the technical specifications with the contribution of the Oraioakastro SC operator, according to the employees' needs. The tender ended with the procurement only of a part of the consumables, since there were no candidates for the procurement of all the consumable categories. The SC operator is in the process to redefine the technical requirements of the consumables regarding to the needs of the SC operation and subsequently the tender procedure will be relaunched. Till then, the contractor has been committed to providing the necessary consumables for the SC operation, according to the contractor proposal during the tender procedure for the operator election.

Meanwhile, the construction activities at the SC facility by the Municipality of Oraioakastro have been completed and all the relevant contracts (for the facilities and equipment concession with the Municipality of Oraioakastro and for the SC operation with "Appliances Recycling S.A.") have been signed. The Oraioakastro SC (HERMES P.C.) is operated in pilot since July 2019. The employees of the SC are trained for the whole chain of the SC activities (receiving, sorting, initial (visual) inspection, handling) by "Appliances Recycling S.A." staff, according to the work instructions that have been given. Further activities of preparing for reuse will start in October 2019 in the Oraioakastro SC.

On the other hand, the Attica SC (BIANATT), is fully operated since February 2019. Training activities of the employees also took place in the SC facility. Regular visits for the monitoring of the SC activities are conducted by "Appliances Recycling S.A." staff.

The input of WEEE in the two SCs is about 2.700 tn and about 1.400 tn have been driven for the first stages of "preparing for reuse" activities (initial/visual inspection). The 49% of this quantity passed for further "preparing for reuse" activities. By the analysis of the data collected so far, the appliances that pass from the further preparing for reuse activities are categorized in the category 5 (small equipment) and 6 (small IT and telecommunication equipment), according to WEEE Legislation. More analytically, the 72% of the devices items are small equipment (e.g. cameras, watches, vacuums, entry phones, coffee machines etc.), whereas the 26% of the items are small IT (e.g. mobile phones, keyboards, battery chargers, printers, wireless phones etc.). The rest 2% consists of devices from the category 2 (e.g. laptops, and LCD screens) and 4 (e.g. large printers and washing machines).

The sources of the WEEE collected by the "Appliances Recycling S.A." network with the higher potential of reuse were mainly from EEE retailers (40%) and companies of private or

public sector (56%), as expected. Till today, 24 pieces of REEE have been sold in the Greek market from the Attica SC.

Finally, the pilot use of specialized collection bins in order to maximize the quantities of WEEE possible to undergo preparing for reuse activities is in progress.

**Action B.6:** 7 (2 complementary) Repair café events («Μαθαίνω να επισκευάζω») were implemented. A total of 313 devices were brought in for repair: 148 were fixed, 91 irreparable and 74 could be repaired with spare parts. A final Event is scheduled for Thessaloniki. The second part of the Easy Repair Guide focusing on electronics was completed and delivered in July 2019. Moreover, the RE(W)EEE platform for exchange/donation of EEE is completed and delivered. However, efforts are made to increase the participation and engagement of the public.

**Action C.1:** The 3<sup>rd</sup> Annual assessment report of the Project impact was delivered and submitted during the 4<sup>th</sup> Monitoring Team visit.

**Action C.2:** This Action regards the assessment of socio-economic and environmental impact of the project, through the utilisation of Socio-economic Life Cycle Assessment (S-LCA), and Environmental Life Cycle Assessment (E-LCA) methodologies. The definition of the parameters' framework for the conduction of both S-LCA and E-LCA was completed in March 2017, as anticipated, and revised upon the comments of EASME letter (re-submitted with the 2nd Progress Report). The implementation of S-LCA and E-LCA methodologies is in progress. No delays are anticipated.

**Action D.1:** This Action refers to the monitoring of all the Dissemination Actions D.

**Action D.2:** The LIFE RE-WEEE website is being continuously updated. The requested changes according to the Letter Amendment No3 (Ref. Ares (2019) 3911594-19/06/2019) have already been completed.

**Action D.4:** The informative banners for the SCs facilities have been already installed.

**Action D.5:** The following, among others, networking activities have been recorded indicatively during the reporting period for the purpose of the report: 1) The LIFE RE-WEEE project has been included in the European Circular Economy Stakeholder Platform (ECESP), 2) The project was presented during the Greek Task Force workshop coordinated by the Green Fund "LIFE & Cities" on 10-11/4/2019 at TITANIA hotel, Athens. In the same session, 13 LIFE projects in total participated and Municipal representatives were among the participants. 3) The project implementation and results to date were presented at the "Kiel 2019: a milestone for Zero Waste Cities in Germany" held with over 250 participants from Germany and across Europe from local authorities, NGO, businesses, research centers and private citizens attending on 29/3/2019. The project was also discussed in workgroups the following days in the Zero Waste Europe meeting with over 35 EU NGO representatives, on 30-31/3/2019.

**Action D.6:** The 1<sup>st</sup> video of the project is available on the project's [website](#) and the [YouTube](#) channel. The development of the next 2 videos focusing on the web-platform Re(W)eee for the donation and exchange of EEE and SCs operation respectively are in progress.

**Action D.7:** Up to September 2019, the project and part of its results have been disseminated through the following communication tools: i. Participation in fifteen (15) conferences, and nine (9) events (exhibitions and seminars), ii. Organisation of two (2) seminars regarding the results and lessons learnt throughout the implementation of the Project, with stakeholders as target audience, and iii. Organisation of six (6) meeting with the RREUSE network. No technical papers have been published in scientific journals throughout the reporting period.

**Action E.1:** Within the reporting period, the Monitoring Team Auditor was informed for the project progress every 3 months, after the email on 13/2/2019 by the Monitoring Team. The 2<sup>nd</sup> Progress Report was submitted to EASME on 14/1/2019. An amendment request for the prolongation of the project duration for 14 months was officially submitted on 8/5/2019. The official response and approval by EASME was sent on 19/6/2019 by the Letter Amendment No 3 (Ref. Ares (2019) 3911594-19/06/2019).

The 4<sup>th</sup> Monitoring Team Auditor visit took place on 14-15/03/2019 including a site visit at the Attica SC. Within the reporting period, meetings among partners and 2 ACP meetings have been performed for the monitoring of the proper implementation of the project.

**Action E.2:** The 3<sup>rd</sup> report of Project progress assessment was delivered and submitted during the 4<sup>th</sup> Monitoring Team visit. The report includes the validated Project Specific Indicators.

**Action E.3:** This Action progresses according to foreseen timetable. Up to September 2019, the following deliverables have been delivered (as anticipated): a Handbook for the estimation of the Project carbon footprint, CO<sub>2</sub>eq. Factors (excel file), three annual reports of the Project Carbon Footprint (yr 2016, 2017, and 2018).

\***Actions A.1 and B.3** have been completed. **Actions D.3, D.8, E.4 and E.5** do not fall within the reporting period of this report.

## Section 2 - Identified deviations, problems and corrective actions taken in the period

The LIFE RE-WEEE project faced challenges, especially regarding the launch of the SCs operation, due to the immaturity in the field of the development and installation of “preparing for reuse” facilities in Greece. The Project Team addressed these challenges, as described in the previous project reports.

In order to collect all the corresponding data from the SCs operation, according to the project targets, the Project Team proposed the prolongation of the project duration for 14 months (Prolongation request: Ref. No 12833 8/5/2019). The prolongation request was approved by EASME according to the Letter Amendment No 3 (Ref. Ares (2019) 3911594-19/06/2019).

Deviation in the procurement of the Oraiokastro SC consumables is presented above. This deviation has no effect in the SC operation, since, as it is described in the Action B.5 above, the contractor has committed to providing the necessary consumables for the SC operation, till the tender procedure for all categories of the consumables by the GF is completed. Moreover, the online tool is anticipated to be completed by 20/10/2019, instead of 30/6/2019. This delay was due to cumulative short delays in a series of other preparation tasks, and it is not anticipated to have a negative impact on the implementation of the project. The other deliverables of the project are being implemented according to the amended timetable.

Regarding the Action B.6, one Repair Café in Thessaloniki remains to be implemented. Due to HRA administrative issues, pending the appointment of its new Board, the repair café held in Thessaloniki in Sept 2019 could not be charged to the project. As a result, another will be scheduled, and charged to the project once the new board appointments are finalized.

Finally, the response at the technical issue No 4 of the Action B.5 at the Letter by EASME B3/CS\_03/04/2019 after the 3<sup>rd</sup> Monitoring Team visit, referred at the KPIs deviation is presented as following:

About 2.700 tn of WEEE, which were collected via the established network of WEEE collection points by “Appliances Recycling S.A.”, have been delivered to the two SCs in a period time of 8 months. This quantity entered the SCs in order to ensure the target of 1.000 and 500 tn of WEEE input per year in each SC (Attica and Central Macedonia correspondingly) of categories of interest (small appliances, IT equipment, screens). More specifically, the total WEEE input of 2.700 tn which was driven to the 2 facilities, was sorted and categorized according to WEEE Directive provisions. The 52% of the total input (about 1.400 tn), as being categories of great interest in terms of possible reusability were processed to first stages of “preparing for reuse” activities (visual inspection).

Additionally, 1,13 tn of WEEE from other categories of devices other than those mentioned above (dehumidifiers, washing machines, medical devices, cookers), were also checked in pilot for preparing for reuse activities. For the time being, the 49% of the 1.400 tn succeeded the initial (visual) inspection, thus this quantity was subjected to the second stage of preparing for reuse activities and was diverted from the treatment/recycling processes. Currently, no representative data have been collected by the WEEE that have been finally put on the market, since the activities of the final stage of the preparing for reuse processes have been initiated the last 3 months and only in the Attica SC.

The target of the 310 tn to be diverted from recycling is a target referred after one year of the full operation of both SCs. Till today, and as described in the Action B.5 above, the Attica SC is fully operated; since the Oraiokastros SC is in pilot operation and the quantities driven in this facility are controlled. Moreover, the estimation that the total amount of WEEE that will be prepared for reuse will reach the average EU level (that is around 2% of the total WEEE collected, as described in the Project Specific Indicators and was mentioned in the technical issues of the Letter by EASME B3/CS\_03/04/2019) is referred in the total quantity of WEEE collected 3 years after the end of the project. Therefore, we cannot estimate any deviation in the KPIs targets set initially till data for all the stages of preparing for reuse activities to be collect from both SCs after their one-year operation.