

## **Action E1.3 Recycling, Repair and Reuse experiential park in Thessaloniki**

### **DELIVERABLE E1.D4**

Report describing the detailed design of the Recycling-Reuse-Repair (RRR) Experiential Park

Beneficiaries Responsible: ERS, MoT

### Summary

This deliverable refers to the detailed design of a Recycling, Repair and Reuse (RRR) Experiential Park that will be established in Thessaloniki. It contains a description of the activities that will be hosted in it, as a prerequisite for its full development and operation. It is developed in the context of sub - action E1.3, part of *LIFE IP CEI Greece* project "Public awareness and dissemination of results" actions (E. Actions).

The primary goal of the RRR is the active participation of children in the processes of waste prevention, reuse and recycling in a scientifically correct, practical and understandable way. Additionally, the RRR goals are, on one hand, promoting a prevention and reuse culture, and on the other hand, the cultivation of environmental awareness around sustainable waste management issues and information to targeted audiences, prioritizing the students of the Municipality of Thessaloniki (MoT). In this context, the main activities that will take place in RRR Park, as well as the distinct target audiences are presented. These audiences are the primary (students six (6) to sixteen (16) years old), the secondary (environmentally aware "active" citizens, either as citizens of Thessaloniki or as citizens of other neighboring Municipalities), and the tertiary target audience (citizens of the wider area, towards environmental awareness cultivation).

The main activities of the RRR part, will include the following thematics:

1. Environmental awareness and information
2. Experiential recycling workshops
3. Repair Café activities



Based on the abovementioned and taking into account that one of the main target groups of the RRR Park are children/students, the main activities that will take place at the RRR Park combine the diffusion of theoretical knowledge focusing on issues related to municipal solid waste management, with experiential actions through which the students will be able to understand in real time and through interactive practical applications the ways through which products can be reused and materials recycled. To this end, one of its main activities, namely the dissemination of theoretical knowledge, will be achieved through environmental awareness presentations, information and communication, and the practical and demonstrative application of these will be implemented through experiential reuse and recycling workshops. Experiential reuse and recycling workshops are an applied utilization of target materials from municipal waste and are divided into four distinct thematic subsections that aim display and teach practices and methods of creative recycling, paper recycling, plastic recycling and household composting to children/students.

Furthermore, given that the RRR Park addresses also to an adult audience, namely the active citizens of the MoT, its operation is foreseen to include a main activity concerning demonstrative preparation for reuse, through the implementation of Repair Café, utilizing the relevant LIFE REWEEE project experience, where a similar action was successfully implemented. In line with the experiential recycling workshops aimed primarily at children/students, the Repair Café aims to strengthen the environmental awareness of citizens by implementing four distinct thematic sub-sections of demonstration preparation for reuse, electrical and electronic equipment (EEE), discarded textiles, bulky waste and other household items, respectively. Additionally, the RRR park aims to become an active environmental awareness and information "hub" of the LIFE IP CEI project, aiming to attract around 10,000 people, regardless of age, on an annual basis.

In addition to the above, the design of the RRR Park includes a description of all supporting infrastructures that will frame its three main activities, in terms of space and infrastructure, with the corresponding dimensions, the required equipment and indicative operating time schedule, required skills and numbers in human resources, safety and hygiene specifications and standards, such as the use of personal protective equipment, the Prevention & Management of Emergencies, etc.

Considering that, at the time of writing (February 2021), the area that will host the RRR Park has not been finalized, part of the design includes the formulation of one basic and four



(4) indicative operating scenarios considering spaces availability, with a description of their respective requirements in infrastructure and equipment. For each examined scenario, the provision for the RRR Park as a separate part of the Enhanced Green Center of the MoT, whose operation is also foreseen in the framework of the *LIFE-IP CEI-Greece* project, is taken into account. The basic scenario concerns the Distinction of working areas by main activity, and the alternative scenarios concern: 1) Full Exploitation of working spaces, 2) Rolling working spaces of Experiential Recycling Workshop & Repair Café, 3) Multi-Functional Multipurpose Space/Room and 4) Operation Within the Thessaloniki EGC. In this context, the design of the RRR Park includes the basic requirements for its operation with a clear description of the spatial planning of each main activity, the human resources that will accompany it and the corresponding necessary equipment. In conclusion, regarding the daily operation of the RRR Park and based on fixed time schedules, the maximum daily attendance potential can reach 120 people with the exception of the 3rd alternative scenario for which a Multi-Functional Multipurpose Space/Room is provided, in case of limited space availability.