

D5.D2

2nd report on the assessment of the LIFE-IP CEI Greece environmental impact and ecosystems functions restoration

October, 2023

Executive Summary

The environmental monitoring of the pilot projects of LIFE-IP CEI Greece is undertaken in order to address and provide for mitigation measures for any negative effects that are expected to occur in the environmental parameters of the pilot areas, but also for highlighting the positive effects on natural resources from the implementation of the projects as they practically contribute to the implementation of the circular economy.

The environmental impact and ecosystems functions restoration of the LIFE-IP CEI Greece project is monitored based on the protocol that is developed in the Milestone D5.M1. Within this protocol following an impact assessment of the project pilot actions, separately for each pilot action, on all the environmental parameters (i.e Climatic and bioclimatic characteristics, Morphological and topological features, Geological, tectonic and soil features, Natural environment, Air quality, Acoustic environment, E/M radiation, Waters and Natural resources) specific monitoring indicators have been created on a case-by-case basis, for the parameters that are estimated to have environmental impacts, which are periodically recorded in order to provide for an impact estimation.

Additionally with regards to the ecosystems functions restoration for each pilot action the extent to which the ecosystem services can be enhanced by its implementation has been examined and appropriate monitoring indicators have been created on a case-by-case basis, for the ecosystem services that are estimated to be enhanced which are periodically recorded.

It shall be noted that in cases where pilot actions that will take place in an urban environment cannot enhance the ecosystem services, or any of their contribution is assessed as negligible, ecosystem services enhancement is not monitored.

It is important to underline that the environmental monitoring system works in addition to the monitoring systems that will be developed in the context of actions D.3 and D.4., with the full and integrated monitoring of the object of the LIFE-IP CEI Greece project.

This report is the 1st monitoring report that assess the environmental impacts and the impact on ecosystem services from the operation of the pilot actions of the LIFE-IP CEI Greece project during the period from M37 to M48.