



A circular economy system for multi-source biomass conversion to added value products

Deliverable D.1.1: First report on the monitoring and evaluation of the project performance indicators

Action D.1: Monitoring and evaluation of the project impact

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Coordinating Beneficiary:



NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)

BENEFICIARIES



MUNICIPALITY OF LAVREOTIKI



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LIFE Climate Action



LIFE18 CCM/GR/001180

Background

This report entitled: *“First report on the monitoring and evaluation of the project performance indicators”*, was produced under co-finance of the European financial instrument for the Environment (LIFE Programme) as Deliverable D.1.1. of Action D.1 of Project “LIFE CIRCforBIO” (LIFE18 CCM/GR/001180). This report aims at the monitoring of the project performance indicators, namely the Key Project-level Indicators (KPIs) and the Project Progress Indicators, that will allow for their evaluation against the set target values, so as to determine its progress and to identify and promptly address any obstacles and difficulties occurring during its implementation.

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Abbreviations and Acronyms

NTUA	National Technical University of Athens
LAVRIO	Municipality of Lavreotiki
SEVT	Federation of Hellenic Food Industries
UNIVR	Universita degli studi di Verona
HELPE	Hellenic Petroleum S.A.
SATISTICA	Satistica LTD.
NEVIS	Novel Environmental Solutions S.A.
ENVIRECO	Envireco Consulting S.A.
EASME	Executive Agency for Small and Medium Sized Enterprises
KPIs	Key Project-level Indicators
PPIs	Project Progress Indicators

Executive Summary

The present technical report was prepared in the framework of the co-financed EC LIFE Programme for the Environment and Climate Change, in the framework of Action D1 "Monitoring and evaluation of the project impact" of the project with the title "A CIRCular economy system for multi-source BIOMass conversion to added value products" and the project acronym LIFE CIRCforBIO (LIFE18 CCM/GR/001180). Responsible for its preparation is the National Technical University of Athens (NTUA), in collaboration with all the project beneficiaries.

The project aims at the achievement of high GHG emission savings from the substitution of fossil fuels with advanced biofuels and at the promotion of the realization of the circular economy concept for biomass. The LIFE CIRCforBIO project is engaged to achieve the aforementioned two main objectives through two main suggested methods:

- a) By the development and demonstration of an innovative biorefinery concept for the conversion of waste biomass (biowaste, industrial food waste, agricultural residues) to added value products such as bioethanol, used oil (raw material for biodiesel), biogas and AD digestate and
- b) By the creation of an interactive platform for facilitating the realization of the circular economy concept for 2nd generation biomass in Greece.

The aim of this Deliverable is the monitoring of the project performance indicators, namely the KPIs and the Project Progress Indicators, based on the Monitoring protocol established (Del. D.1.1.+), as well as the evaluation of the achieved implementation progress in this first reporting period (1/10/2019-30/9/2020). The quantification of the monitoring indicators and their continuous monitoring during project implementation will allow for the evaluation of the project results so as to determine its progress and to identify and promptly address any obstacles and difficulties occurring during its implementation.

This technical report starts with the monitoring of KPIs, except from the environmental ones, as they are inextricably linked to the beginning of the biorefinery's system operation, which is expected between 1/11/2020 and 30/04/2021. For all indicators, their results so far are recorded, and evaluated, in comparison with their target values, while taking into account the current implementation stage of the project. Moreover, and as an additional means of monitoring and evaluating the achieved progress, since the target values refer to the whole duration of the project, the percentage of the target value achieved for all KPIs is presented.

Following, the monitoring of the PPIs takes place, based on the actions that have initiated so far. For all indicators, their results so far are recorded, and evaluated against their target values, while taking into account the current implementation of the project. Moreover, as an additional means of monitoring and evaluating the achieved progress for the PPIs that their target value refers either to the whole project duration or a broader time frame than the first reporting period, the percentage of the target value achieved is also presented.

For all indicators, KPIs and PPIs, when feasible, verification means of the achieved progress are presented.

KPIs monitored within this first reporting period demonstrate high current values against the target ones for the whole project duration. Only the ones related to the website and awareness raising demonstrate lower values, in comparison with the currently achieved values of the rest. Therefore, more attention is suggested to be provided towards the specific indicators.

All in all, PPIs also demonstrate satisfactory current values. More specifically, PPIs that regard Actions whose duration doesn't exceed this reporting period time or have a different reference time (e.g. monthly) are 8 in total, out of which 6 are achieved. The only indicators not achieved are the ones related to the website highlighting the need for a more focused monitoring of the specific indicators.

All the rest of PPIs, that have a broader duration and are monitored in this present report, are evaluated, respectively with KPIs, on the basis of the percentage of the target value achieved, since there are no intermediate targets set; their final evaluation will take place against the target value at the end of each Action.

Conclusions

This present report consists the first report on the monitoring and evaluation of LIFE CIRCforBIO project performance indicators, namely of KPIs and PPIs.

KPIs monitored within this first reporting period demonstrate high current values against the target ones for the whole project duration. Only the ones related to the website and awareness raising demonstrate lower values, in comparison with the currently achieved values of the rest. Therefore, more attention is suggested to be provided towards the specific indicators.

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