



## **D3.2**

# **Selection of technical and environmental assessment requirements**

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The HOOP project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°101000836

# 1. Executive Summary

This deliverable provides the necessary studies for each of the selected urban circular bioeconomy projects in each Lighthouse City and Region to valorise biowaste for the production of innovative and sustainable bio-based products. The objective of the HOOP project is to provide project development assistance (PDA) to 8 Lighthouse Cities and Regions for the future implementation of bio-based processes for the valorisation of the organic fraction of municipal solid waste (OFMSW) and urban wastewater sludge (UWWS) that will help unlock bio-based investments and deploy local bioeconomies in Europe.

Lighthouse Cities and Regions have been assisted in identifying the necessary studies for each of the selected technologies, thus facilitating the implementation of the valorisation projects. These studies will be developed in the PDAs in WP5.

To this end, a methodology has been developed for the identification of the needs in each of the projects. This methodology for the selection of studies considers the current state of the city/region in relation to each of the selected projects or technologies. It will contemplate the availability of biowaste, the existence of pilots or equipment, the need of the city/region or having a method of financing. This methodology follows sequentially from the first step to the last the needs of the production process of each technology. In this way, the necessary studies at each step are described, from the biowaste used as raw material to the bioproduct obtained in each case.

As mentioned before, it should be noted that the selection of the studies in each urban circular bioeconomy project by the Lighthouse Cities and Regions is based on their own needs and expectations. These may change during the implementation of the HOOP. Should this occur, this deliverable will be updated to include the new studies that emerge along with the reasons and justification for the changes.

