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BlockWASTE PROJECT

INNOVATIVE TRAINING BASED ON
BLOCKCHAIN TECHNOLOGY APPLIED
TO WASTE MANAGEMENT



Erasmus+



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Technical
University of
Athens

SAXION
University
of Applied
Sciences

CTM
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**TAL
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Digital technologies will be the fundamental basis for economic and social development in the 21st century. Therefore, the potential that these new technologies offer for the benefit of a more sustainable economy, both for society and the environment.

And it is under this concept where the reason of being of the BlockWASTE project is based: to create a basic formative base for students, professionals of the construction industry and waste management companies in which the potential of combining a new technology such as blockchain, the Internet of Things (IoT) and Big Data with waste management is made known.

The Blockchain is based on a data structure whose information is grouped into sets to which meta-information is added relative to another block in the previous chain on a timeline. For this reason, BlockWASTE will serve as a basis for the beginning of the training in the Blockchain technology, demonstrating, through its application in the management of solid waste, its applicability in the Circular Economy.



OBJECTIVES

The BlockWASTE project will address the interoperability between waste management and blockchain technology, in order to promote its proper treatment through educational training, so that the data collected will be shared within a safe environment.

PRODUCTS

Main results of the project are:

- Learning materials for interdisciplinary Blockchain-MSW.
- European common curricular on MSW applying Blockchain technologies for Circular Economy strategies.
- E-Learning tool based-on Blockchain-MSW focused on Circular Economy.
- BlockWASTE Open Educational Resource (OER).