



PROJECT

# WASTE4THINK

## Technologies 4.0 for smart urban waste management

Waste4Think seeks to promote a major transformation in current waste management practices and establish a new paradigm based on the principles of the circular economy. The implementation of Information and Communication Technologies (ICT) in the management of waste generated in urban environments will enable cost savings and new business models that promote sustainability. The € 9M project is led by the DeustoTech. ZABALA, as member of the consortium, is in charge of the management, dissemination and communication activities.



This project is co-financed by the European Union

19

PARTNERS

4

PILOT EXPERIENCES

10%

GREENHOUSE GAS EMISSIONS REDUCTION

20

ECO INNOVATIVE SOLUTIONS



### IN ONE CLICK

Coordinator	Programme	Period
DEUSTOTECH INSTIT	HORIZON 2020	2016-2019
Sector	Web	
ECO INNOVACIÓN	<a href="http://www.waste4think.eu">www.waste4think.eu</a>	

### 01 The Challenge

Waste4Think **will boost** four pilot projects implemented in the village of Zamudio in Spain, the southerly Greek city of Halandri, the Portuguese municipality of Cascais and the Italian city of Seveso. Their participation in the project will actively advance **the transformation of urban localities into smart cities** ("Smart Cities") and contribute to laying down the foundations of the circular economy.

### 02 Solutions

The 20 innovative solutions proposed by the project **will cover** the entire value chain through a holistic management and data processing methodology. These solutions include **advanced ICT tools and a non-technological perspective** that aims to positively influence waste management practices and recycling evaluation mechanisms.

### 03 Impacts

The **main objectives** of Waste4Think consist of reducing waste generation by 8%; achieving a 20% improvement in the classification of urban waste in order to facilitate its reuse and recycling; reducing waste management costs by 10%; and lowering greenhouse gas emissions by this same margin (-10%).