

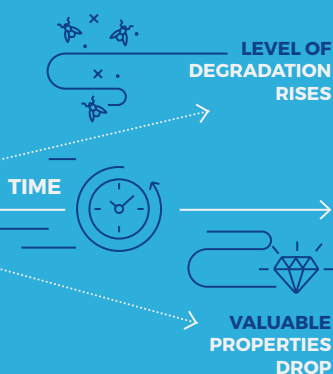
SENSORS FOR BIOWASTE DEGRADATION MONITORING

“Biowaste loses a lot of its valuable properties if left to degrade for too long”

Miguel Ángel Górriz Peris,
Project Specialist at ITENE

130

million tonnes of biowaste is generated annually in Europe¹, and only 25% are recycled.²



HOW TO MONITOR THE LEVEL OF DEGRADATION OF BIOWASTE, IN ORDER TO PRIORITISE ITS COLLECTION AND PROVIDE BIOREFINERIES WITH HIGHER-QUALITY FEEDSTOCK?

➤ WHEN?

The prototype is currently being tested in the Greek city of Kozani. If testing goes well, the technology is expected to reach TRL7 by 2022 and be commercially available soon after.

➤ WHAT?

To ensure a high and constant quality of the biowaste collected, ITENE developed sensors monitoring the level of degradation of biowaste in containers.

➤ HOW?

The sensors are integrated directly in the containers and monitor how full the container is as well as the build up of gases. It correlates the data with aerobic or anaerobic processes and other biological parameters to provide real-time information on the level of degradation of the biowaste.

The sensors are combined with a user-friendly Cloud Platform, which allows waste managers to prioritise containers for collection.

More about the mobile application here.

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Want to learn more about biowaste collection?

Listen to our **webinar** on Selective collection of Urban Biowaste.

Read full **interview** of ITENE here

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¹ COM/2010/0235 final

² https://www.interregeurope.eu/fileadmin/user_upload/plp_uploads/policy_briefs/2017-03-24_PB_Biowaste_amended.pdf