



The SISTERS approach is to create a systemic action plan for reduction of food loss and waste, by applying innovations in each relevant step of the agri-food value chain. One of the project aims is to improve the sustainability of the packaging that is used to preserve food.



BIO-BASED PACKAGING



SISTERS will produce bio-based packaging materials with optimised recyclable, and compostable properties that will be used to manufacture a range of widely used types of packaging adapted to consumers' needs.

Smart and affordable labelling will be incorporated in the packaging, enabling it to act as an alert system that shows the status of the food.

BENEFITS



Sustainable and cost-effective packaging



Improvement of the shelf-life of the food products



Diminished food waste from consumers thanks to the prolonged shelf-life and alert system, and as a result, reduction of plastic waste.

The different stages of the innovation development & the partners involved:



New enzymatic product for enhancing plastic biodegradation



Material formulation and production



4 new biobased home compostable packaging



Piloting smart and active solutions



Food Quality and Biodegradation



Packaging validation by end users



18 PARTNERS & 3 LINKED THIRD PARTIES FROM 8 COUNTRIES



PROJECT COORDINATOR
carolina.penalva@aitiip.com

D&C COORDINATOR
andrea.leon@innovarum.es

WWW.SISTERSPROJECT.EU

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 101037796