

Systemic Innovations for a SusTainable reduction of the EuRopean food waStage

# What is the problem?

Only in the EU, we generate every year around 89 million tonnes of Food Loss and Waste, accounting for 20% of the total food produced, with costs estimated at € 143 billion, impacting each stage of the Food Value Chain.

### The SISTERS solution in a nutshell:



#### **PRODUCTION**

Food surplus due to precise/strict market demands to farmers.



SISTERS will design the 1st European Short Chain Platform for primary producers to sell their discarded production.



#### LOGISTICS

Inefficiencies when handling and transporting food.



Smart and reusable food containers will be designed to diminish food losses during transportation.



#### **PROCESSING**

Inefficient performance of bio-based food packaging.



A set of bio-based & home-compostable packaging solutions will be created to improve the preservation and quality of food.



#### MARKETING

Unsustainable marketing practices by retailers and/or wholesalers.



A novel SISTERS Seal of **Excellence** will promote sustainable practices among retailers.



#### CONSUMPTION

Misinterpretation of labels, exceeded expiration date.



A QR and dynamic labellina will be incorporated in the packaging to impact on retailers and consumers sustainable awareness.

## What will be THE IMPACT of SISTERS?



**Primary** producers engaged



Ka of food for transportation tests



15000 Kg of food for packaging tests



Marketina centres to be assessed



Consumer acceptance surveys

SISTERS will be a key EU project addressing the problem in a holistic way, reducing Food Loss & Waste by 27.4% and CO<sub>2</sub> emissions by around 20% in the case studies.

18 partners | 3 linked third parties | 8 countries







































































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