



# SISTERS

Sistemic Innovations for a Sustainable  
reduction on the European Food waste

Project presentation

August 2022



Co-funded by the Horizon 2020 programme  
of the European Union

GRANT AGREEMENT N° 101037796

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# Sistemic Innovations for a Sustainable reduction on the European Food waste

NOV 1<sup>ST</sup> 2021

APRIL 30<sup>TH</sup> 2026

54 months

Coordinated by: AITIIP (ES)

Overall budget: € 10,101,117

Project partners: 18

Consortium geography: 8 countries

Grant Agreement: 101037796



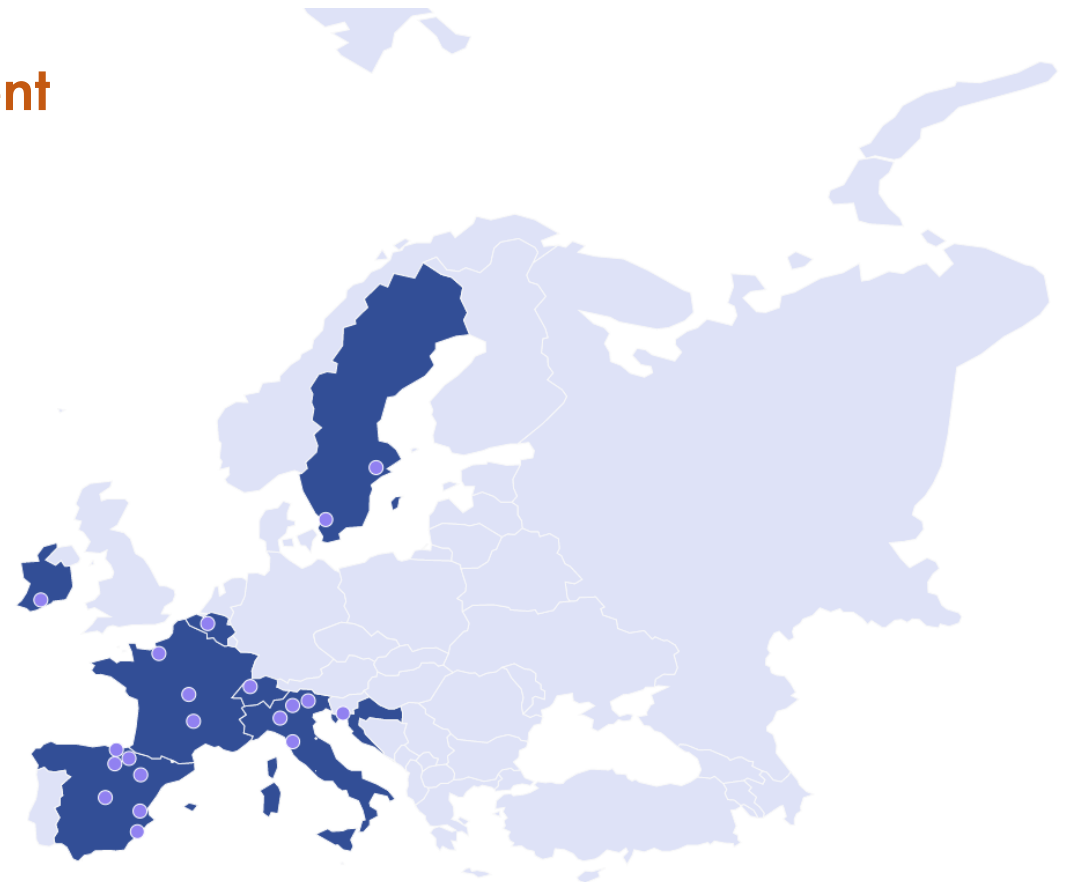
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# The partners

18 partners & 3 linked third parties from 8 different countries form the entire SISTERS consortium



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# Food loss & waste in the EU



Globally, **roughly 33%** (by weight) of the edible parts of food produced for human consumption is lost or wasted, which is around **1.3 billion tonnes of Food Loss and Waste per year.**

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.

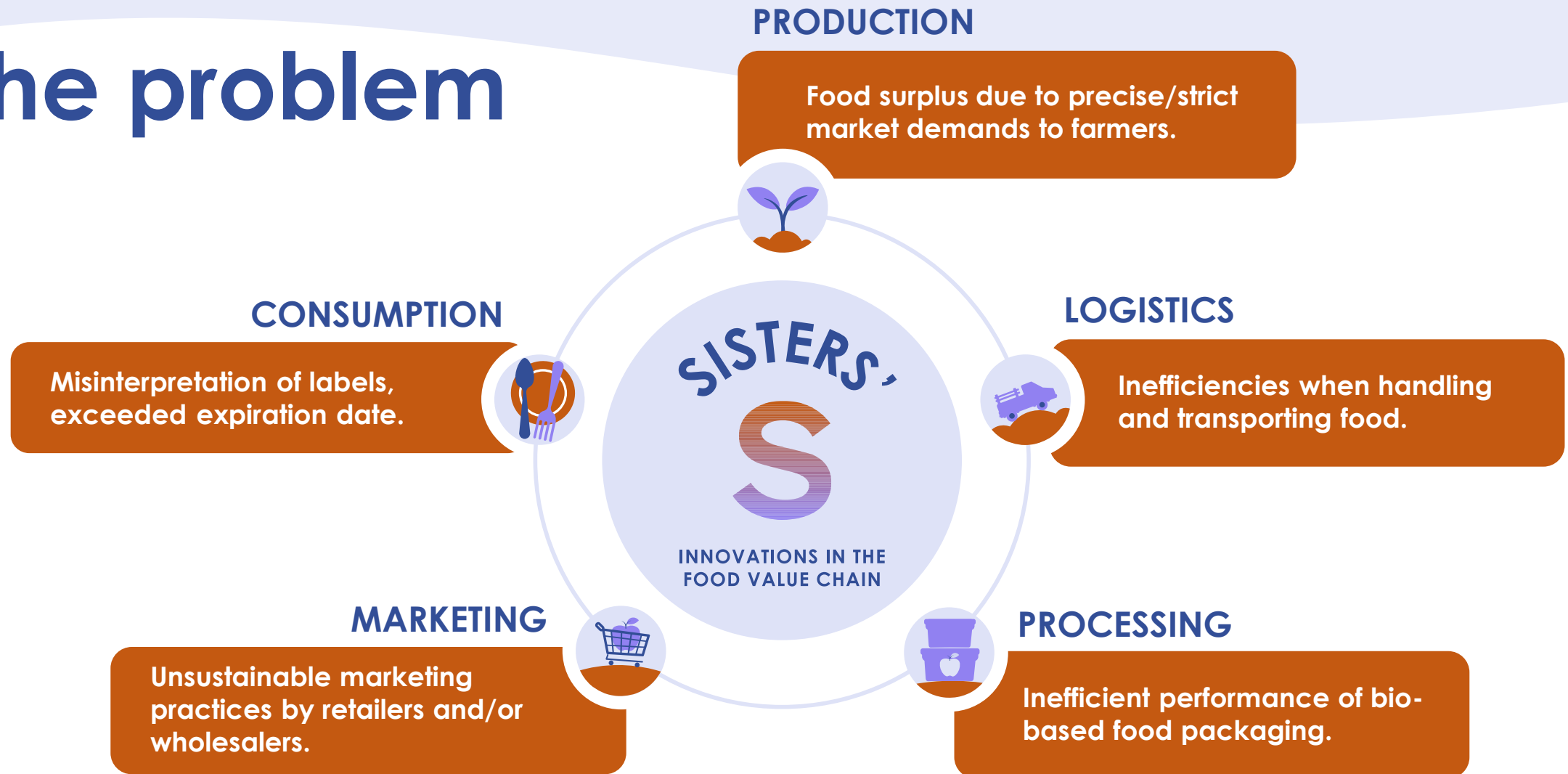


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# The problem



# The solution

PRODUCTION



SHORT CHAIN  
PLATFORM  
FOR PRIMARY  
PRODUCERS

LOGISTICS



SMART  
CONTAINERS  
Bulkbox &  
storebox

PROCESSING



BIOBASED FOOD  
PACKAGING  
Home-  
compostable

MARKETING



SEAL OF  
EXCELLENCE  
For retail  
practices

CONSUMPTION



QR DYNAMIC  
LABELING  
For sustainable  
awareness



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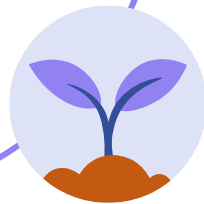
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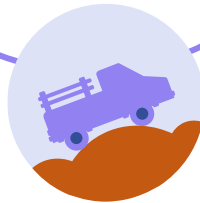
# Impact expected

at each stage of the value chain

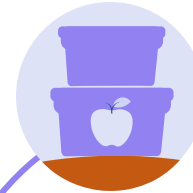
**100**  
Primary  
producers  
engaged



**3000**  
Kg of food for  
transportation  
tests



**15000**  
Kg of food for  
packaging  
tests



**30**  
Marketing  
centres to be  
assessed



**1000**  
Consumer  
acceptance  
surveys



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# To conclude:

## SISTERS end goals & final impacts by the end of the project

- ✓ **20-40%** food loss & waste reduction in primary production
- ✓ **20-25%** primary producer's incomes growth and favour local economies
- ✓ **20%** food loss & waste reduction in transportation
- ✓ **20-25%** indirect CO<sub>2</sub> emissions reduction
- ✓ **10-30%** food loss & waste reduction in processing
- ✓ **20-30%** improvement in food shelf life
- ✓ **10-15%** food loss & waste reduction in retailing
- ✓ **10-20%** food loss & waste reduction in consumption
- ✓ **Sustainable** practices applied in retailing/wholesaling
- ✓ **Positive impact** on consumer's sustainable awareness

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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.**

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Presentation prepared by Innovarum



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Coordinator



Communication Leader

