



Pyrenees-Mediterranean  
**SUSTAINABLE AGRI-FOOD**  
**INNOVATION DAY**

**T3.4 – Asclepios Tech investments  
and trials with Terracor**



**Co-funded by  
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**2 JULY 2026 – LA CITÉ, TOULOUSE**



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## Local agriculture, daily freshness

Terracor is a Mallorca-based fruit and vegetable company that connects local growers with HORECA, retail and food-service customers. Its work is centred on fresh, seasonal produce, close relationships with farmers and reliable daily distribution. Through Terragust, Terracor also brings local agriculture closer to visitors, offering an agrotourism experience that connects gastronomy, farming and the Mallorcan landscape.



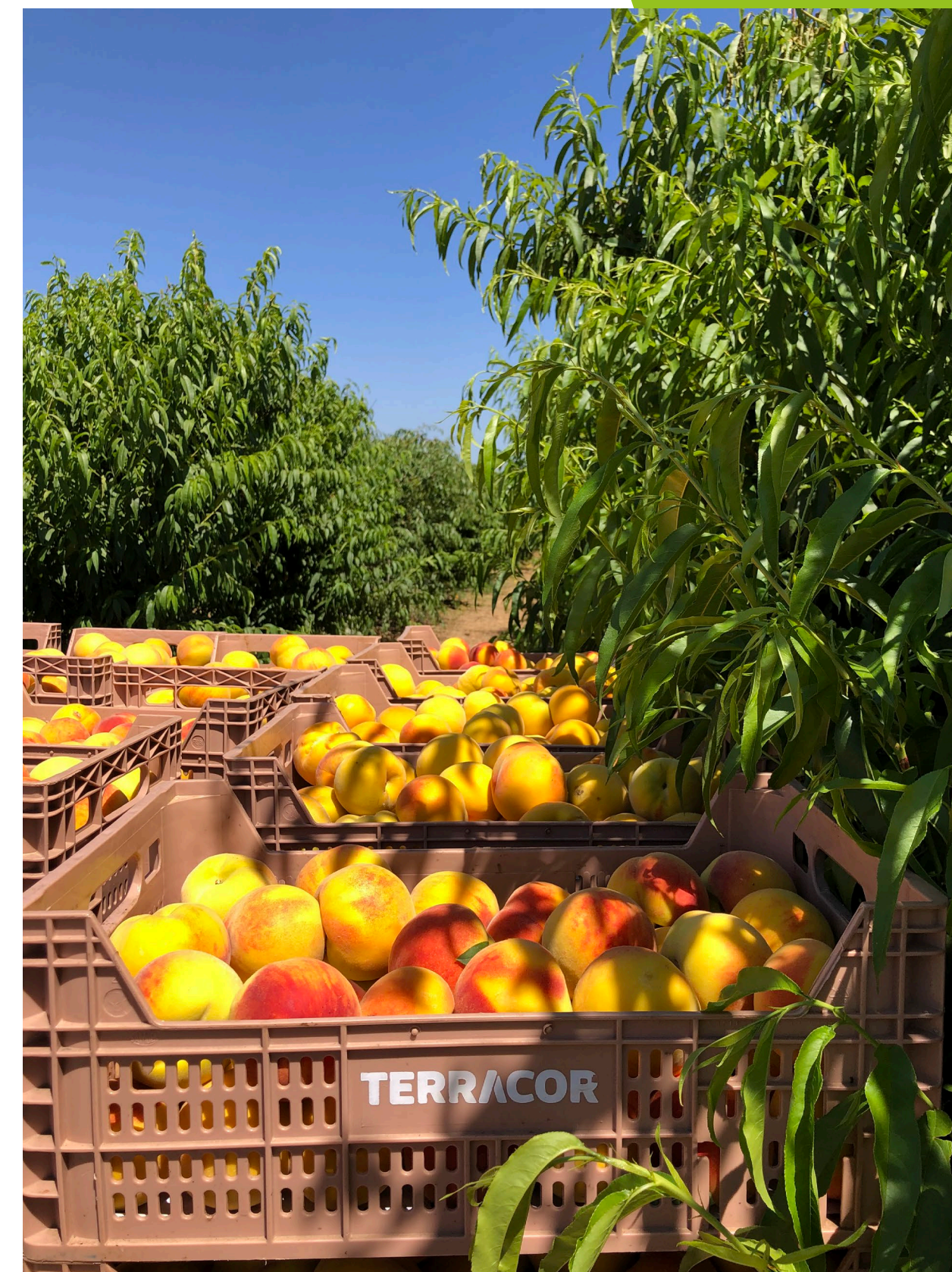
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## Sustainability

- Local and seasonal production to shorten supply chains and support Mallorcan agriculture.
- Integrated production systems, working with technology while respecting the soil and the environment.
- Use of biodegradable mulching materials, replacing conventional plastic in the fields.
- Biological control and auxiliary reservoirs to reduce environmental impact.
- Zero food waste initiatives.
- Terragust as a showcase for farm-to-table culture, local produce and agricultural awareness.
- School visits to help children understand the origin.
- Innovation trials on biodegradable seaweed-based packaging for fresh produce.
- Field testing of smarter crop-protection and water-efficiency solutions.

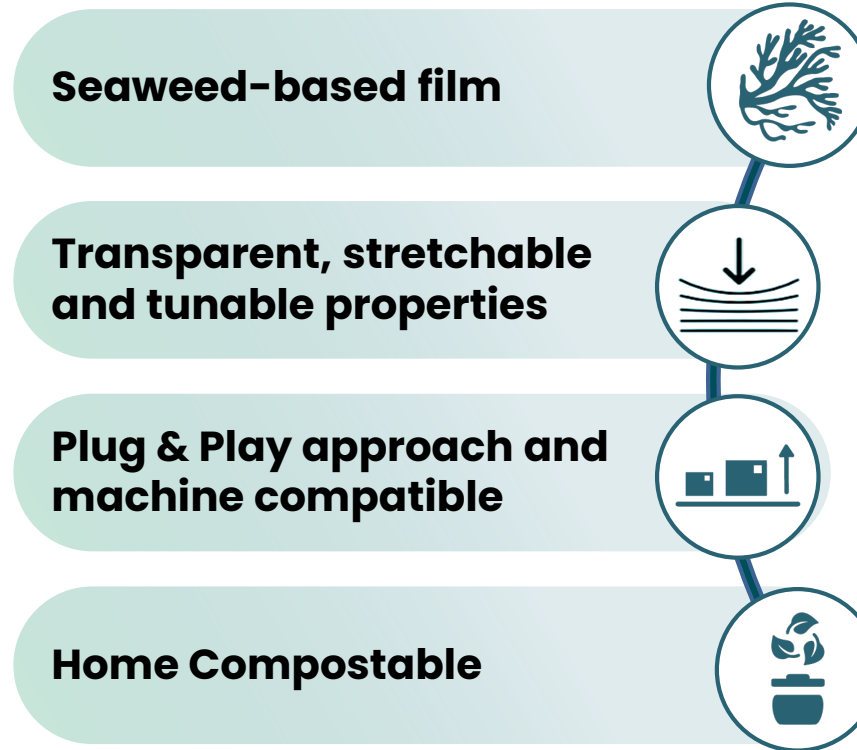
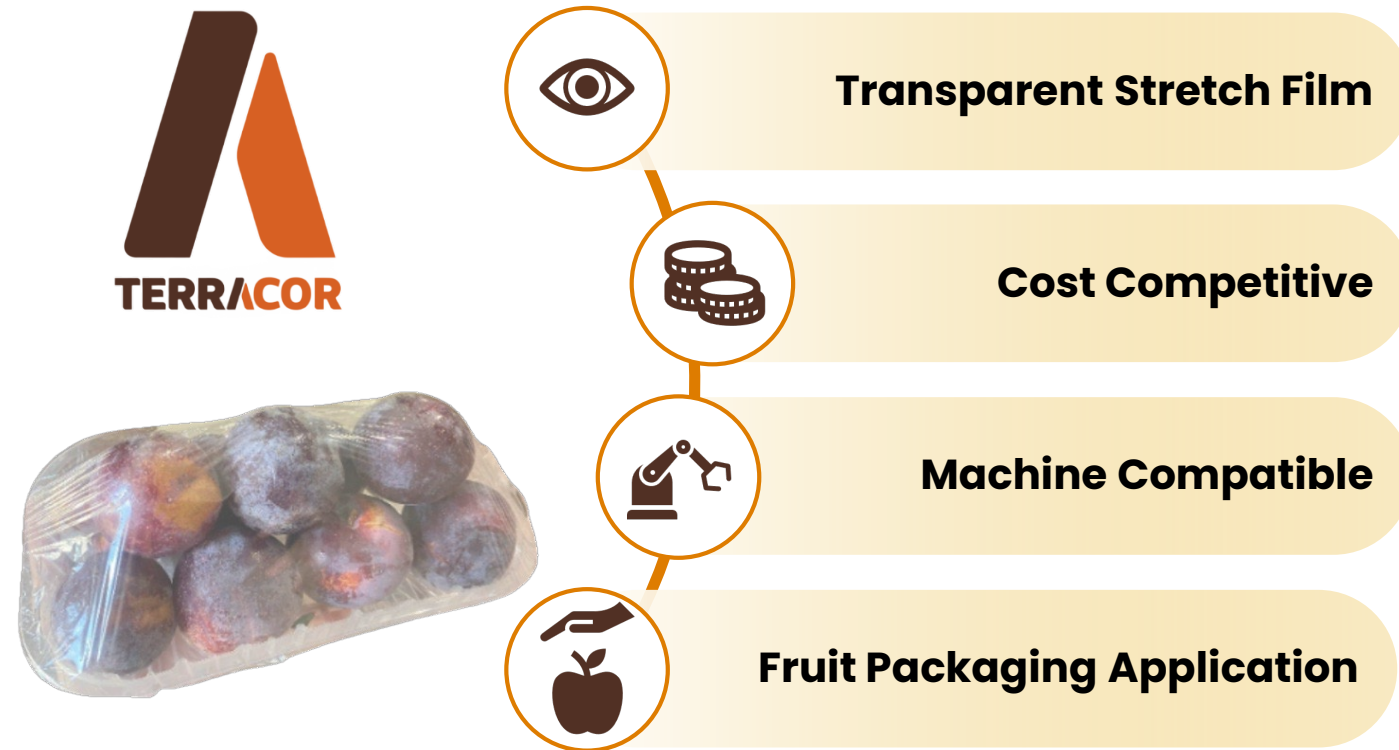


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## C9- Challenge: Sustainable Packaging Seaweed-based stretch film for packaging of fresh fruits and vegetables



[ B'ZEOS ] The future of packaging is seaweed



TER-ZEOS Packaging

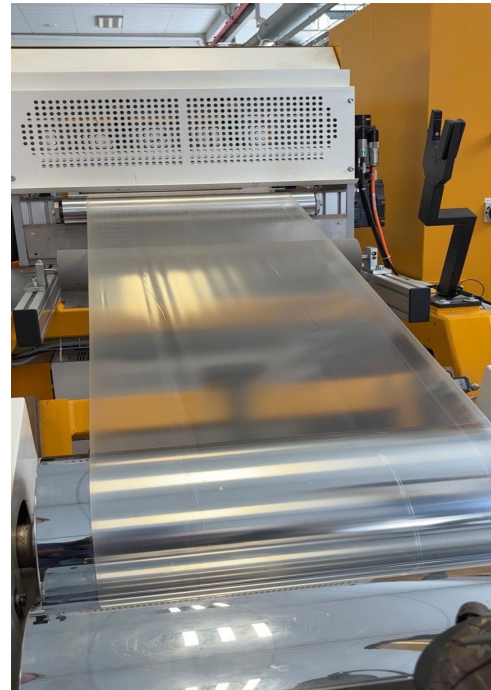


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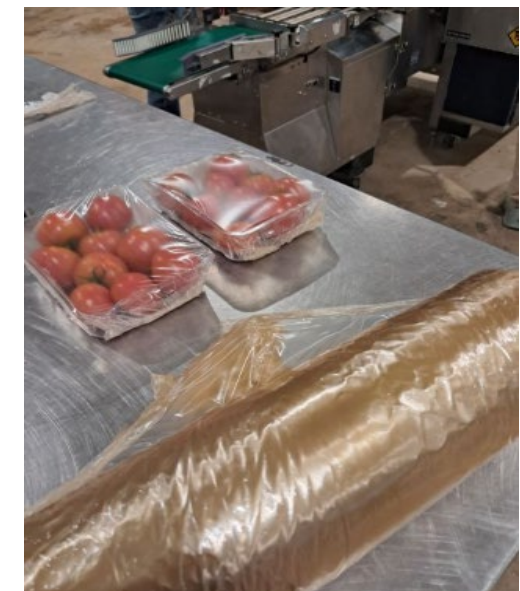
**In-house lab scale development**  
Testing of several formulations to achieve Terracor's requirements and sample sending



**External production (collaboration with a partner)**  
A total of 4 films produced for the trial



**Automatic Packaging Trials at Terracor's facilities**  
Automatic machine did not have enough pull force to unroll the film, parameters could not be adjusted during trial since machine's operator is required. We demonstrated with a manual packaging machine that the film could be unrolled, cut, sealed and performed well.



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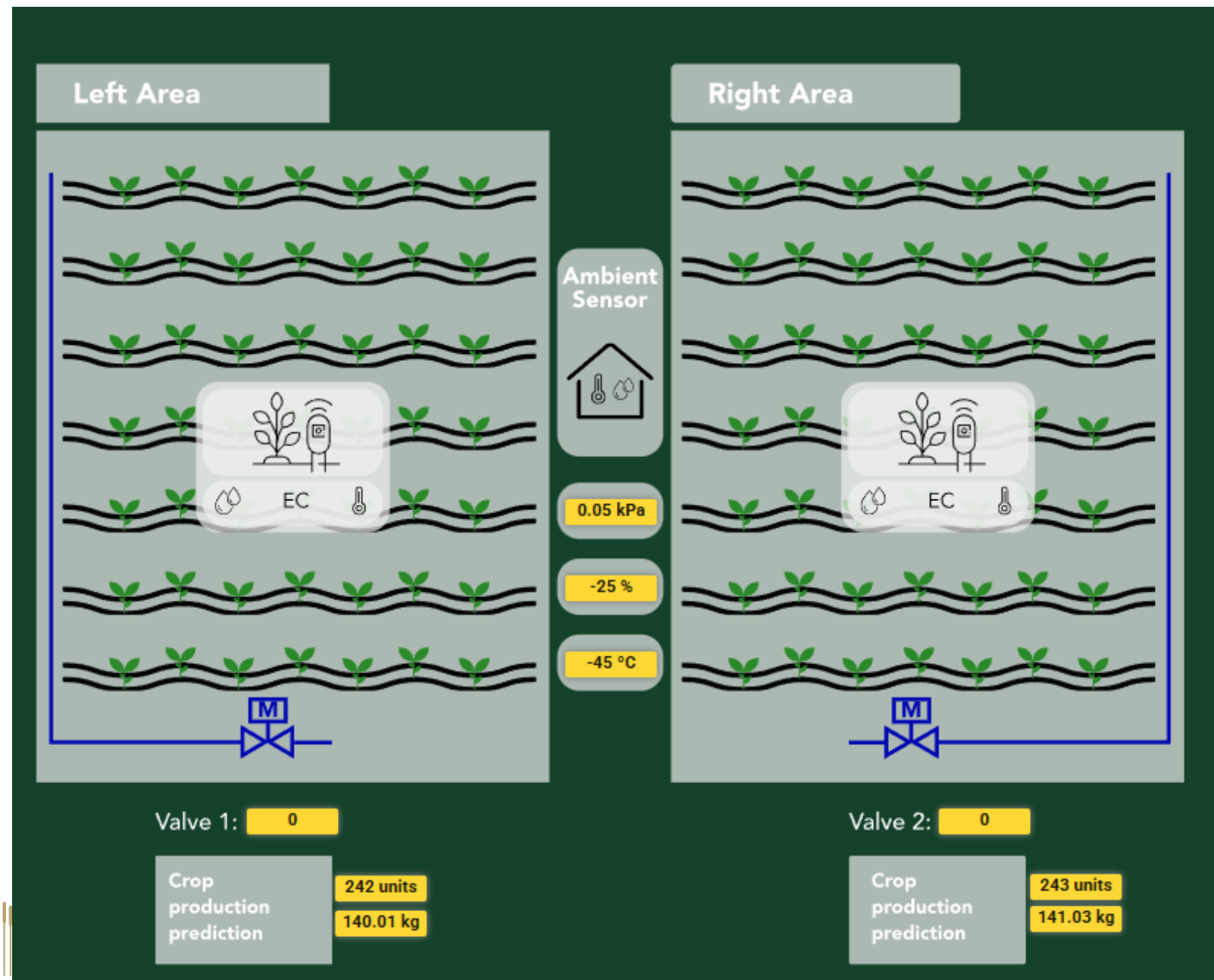
**TER-ZEOS Packaging**



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## C10. Controlled irrigation System

IoT platform for real-time monitoring and smart irrigation



- AI-Based Predictive Models
- Real time data from atmospheric and soil sensors





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## Evaluation of Optimized Irrigation Strategies

- **Left zone:** Application of 100% of the recommended irrigation water supply
- **Right zone:** Application of 80% of the recommended irrigation water supply

### CONCLUSION:

More water does not necessarily improve productivity; under these conditions, controlled deficit irrigation (80%) is the more efficient strategy, achieving better yields while reducing water use.

