

FRUITPRINT project

Design of novel post-harvest technologies with low carbon footprint based on the discovery of active biomolecules

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Genomics and Biotechnology of Fruits



Fruitprint



Marie Skłodowska-Curie Actions



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Main goal of the FRUITPRINT project

- Identifying the role of different molecular signals during ripening to conceive new post-harvest technologies adapted to the needs of fruits and vegetables storage.
- Identification novel bioactive molecules which can improve storage
 - Reducing post-harvest losses
 - Reducing energy consumption
 - Preserving the organoleptic and nutritional qualities
 - Keeping the fruit and vegetables attractive for the consumers.

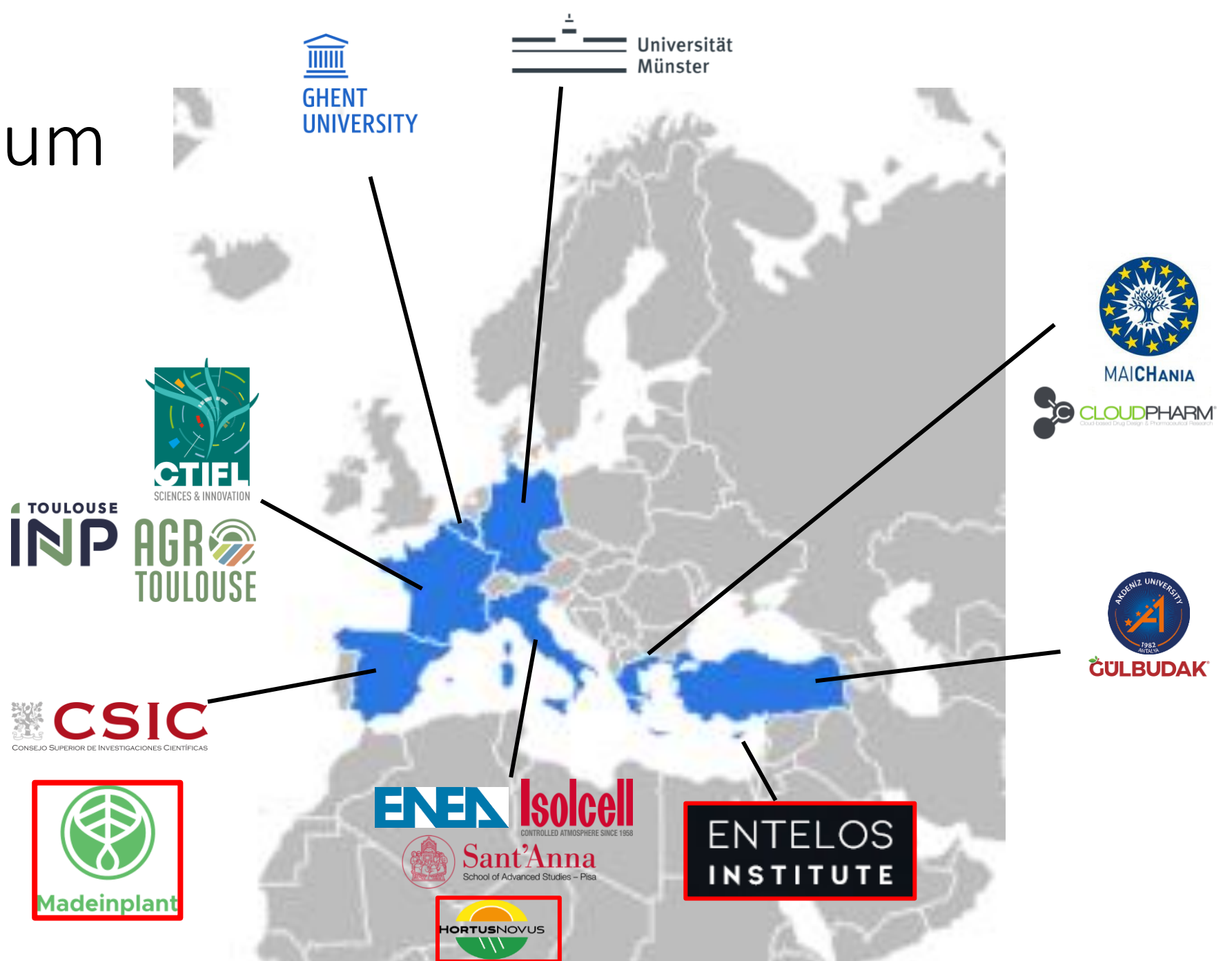
FRUITPRINT MSCA-Staff Exchange

- A collaborative project to rethink post-harvest storage
- 01/01/2025 – 31/12/2028
- 1,393,800.00 € (~300 PM)
- 12 partners (3 non-academic)



Fruitprint

The consortium



RoxyCOST : a springboard for MSCA application

- **Meeting** : a melting pot for **innovative ideas**
- **Annual meeting** : an opportunity to **include new partners** and to increase/diversify the network with academic and non-academic partners.
- **CORE group meeting** : in addition to manage the COST Action, a place to think about **the sustainability of the network**



Proposal evaluation -Excellence

- The proposal is ambitious, innovative
- **Objectives are precise, feasible**, and will directly contribute to enhancing knowledge ripening and improving post-harvest storage of fruit
 - Clearly state the main objective and second objective
 - **Write the secondary objectives in a SMART way**
- Various models including Arabidopsis and Solanum.
- **Methodology is clearly outlined** and blends fundamental research with a strong commitment to practical application, which involves testing new molecules at both laboratory and industrial scales.
- **The interdisciplinarity approach → ensures knowledge transfer**
- Identification of the kind of data that will be generated and presents a plan for how the data will be made accessible and managed according to **FAIR principles**. **The Open Science practices** that will be implemented are very good.
- The **activities of each participant are explained in extensive detail**, and they are complementary to each other.
- The **networking activities, particularly those planned for secondees are excellently proposed**
- **Frequent networking activities** will be performed throughout the whole project duration.

Proposal evaluation - Impact

- The consortium will foster existing collaborations among participants, while also building new ones.
- Opportunities for **early-career researchers to establish enduring international collaborations.**
- A strong potential to advance research and innovation within Europe and globally by uniting senior **academics with industrial partners**
- **considerable exchange of knowledge between organizations**, with an emphasis on transferring the results obtained by academic partners to nonacademic partners.
- **A comprehensive and convincing training plan for individual career development**
- **Detailed plan for dissemination and exploitation** demonstrating a commitment to maximizing the project impact and this is supported by a **clear communication strategy to different audiences.**
- The proposal provides an in-depth overview of the Intellectual Property strategy and also outlines a framework for the management of all background elements that include data, know-how, and other information types.
- The proposal stands to make substantial scientific, societal, and economic impacts

Proposal evaluation - Implementation

- **The proposal contains a well-prepared work plan** that is directed towards the objectives in which the secondments are reasonably well integrated.
- **The work package tasks are well distributed to the participants** with the required complementary expertise.
- **The facilities and technological platforms** needed for the execution of the project are available and thoroughly described,
- **The combination of participants** will adequately support the proposed work and methodologies.
- **The participants are highly competent for hosting staff** and well-suited for the activities that are planned.
- The main and specific risks of the research are thoroughly explained, and there is a mitigation plan in place.

The benefits for the project

For myself as coordinator

- Project management : report – discussion with scientific officer
- Intercultural management
- Meeting facilitation
- Reinforcement of the personal network

For the teams

- Opportunity of new collaboration
- Inputting new knowledge and concepts into our research topics.
- Transfer of knowledge for young scientists

For the research

- Creating a favourable context for transfer of knowledge between academic and non-academic
- Going beyond the limits set by our personal expertise in how we approach issues