Synergy Days

BY SMARTAGRIHUBS | BARCELONA

THEROS

An integrated toolbox for improved verification and prevention of adulterations and non-compliances in organic and geographical indications food supply chain

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About THEROS

- **17** partners
- **6** countries
- **3** years
- **€ 3,999,961.00** funding
- **10** innovations

Our purpose

Improve verification and prevention of adulterations and non-compliances in organic and geographical indications food supply chain

Funded by the European Union

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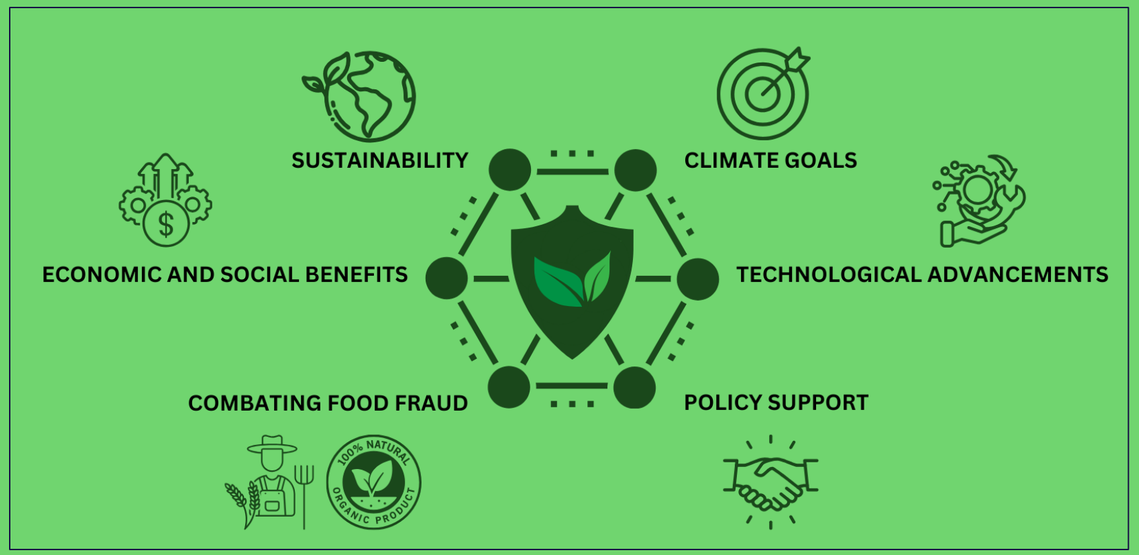
Motivation



6 Participating Countries

17 Partners

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THEROS main envisions

Low-cost, digital and scalable solutions.

Blockchain enhanced traceability system.

Platforms and algorithms allowing management and harmonization.

Interfaces to facilitate monitoring and inspections.

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THEROS Pilot Demonstrations

Pilot 1: Serbia

The pilot demonstration will focus on the employment of THEROS toolbox components in order to facilitate efficient large-scale monitoring of organic food assets.

EO based ecosystem services, MEMS based photonics systems, Green accountability tool, Dynamic Digital Product Passport, Blockchain based traceability system, Verification engine, and Data management and harmonization platform

Pilot 2: Greece

The pilot demonstration will focus on the verification of organic production practices.

Pilot 3: Czech Republic

The pilot demonstration will focus on the design and validation of an extended innovative business model aimed primarily at supporting the availability of organic food.

IoT sensors network, Blockchain based traceability system, Verification engine, Digital marketplace, and Data management and harmonization platform

Pilot 4: Spain

This pilot demonstration will define and engage a group of supply chain participants, aiming to cover 100% of the value chain, including initial harvesting, aggregation, transformation, shipping, packaging and selling events.

DNA based authenticity kit, Dynamic Digital Product Passport, Blockchain based traceability system, Verification engine, and Data management and harmonization platform

Pilot Scope

Use of THEROS innovations

Funded by the European Union

“Game-changing innovations that will provide sustainability of organic farming systems and ensure rapid and cost-effective verification of organic and geographical indications food products”
THEROS
www.theros-project.eu