

Emergent soil, plant and food onsite digital services on chemical and biological contaminants

Person:

Email:

Partner:

Date: XX/XX/XXXX



General Information



9 European Countries - 18 Partners

8 SMEs

3 Universities

5 Research Centers

2 Environmental and Agrofood Associations

Innovation Action (IA)

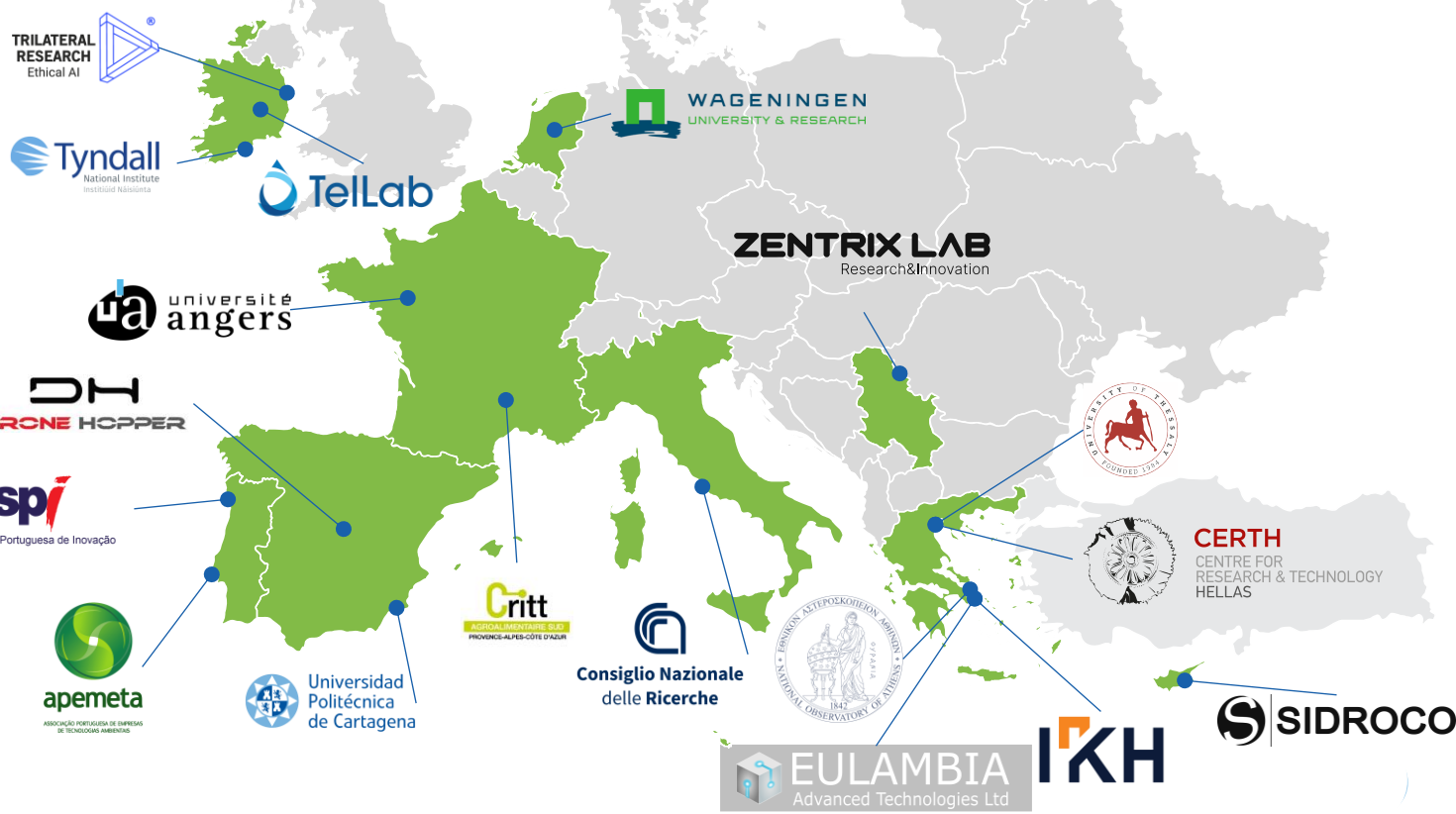
Budget: 5,033,127.50 €

Start: 1/10/2024

End: 30/9/2027

Duration: 36 Months

E-SPFdigit aims to develop digital tools, from TRL-5 up until TRL-8, for real-time soil and crop monitoring of contaminants, such as: PFAS, pesticides, heavy metals, and nutrients at pilot sites in Greece and Spain. Advanced sensors coupled with AI-driven data models and machine learning will establish a remote-sensing framework using autonomous robots and drones, while Earth Observation data will enhance predictive insights into soil health. All tools will integrate into a secure Decision Support System (DSS), enabling and informed and automated decisions for sustainable soil management.

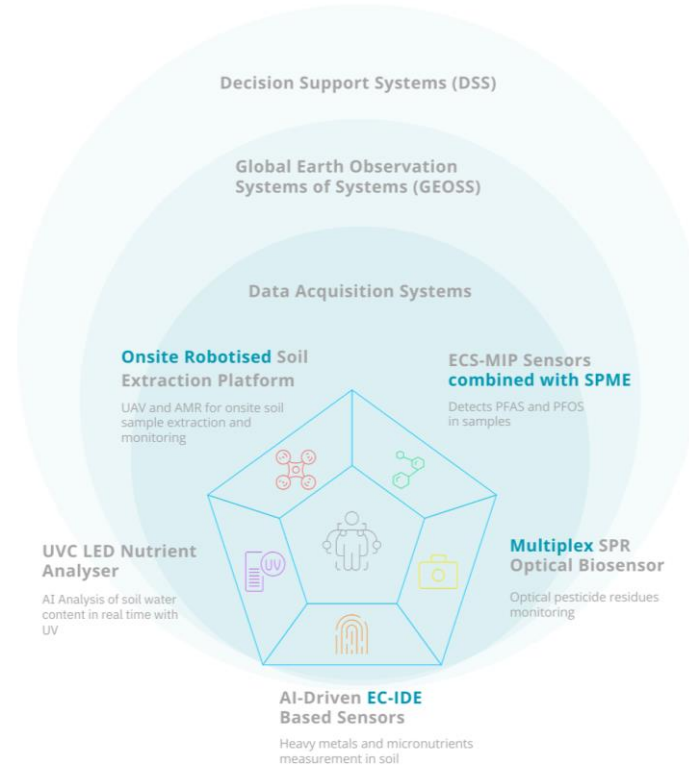


Objectives

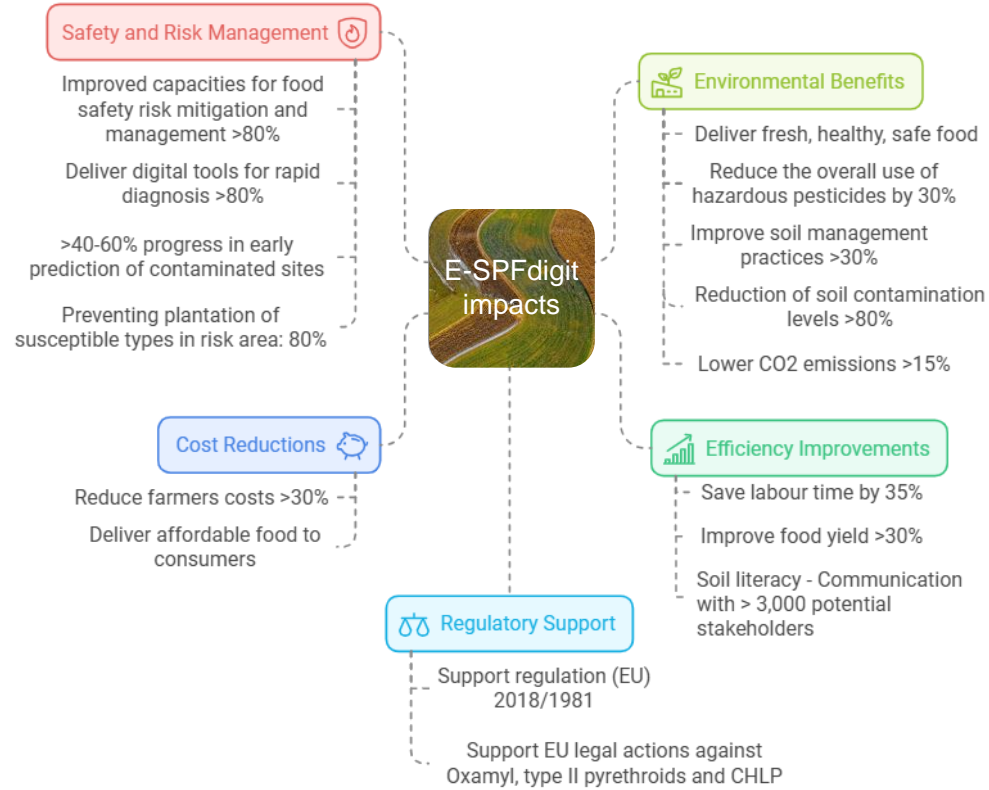




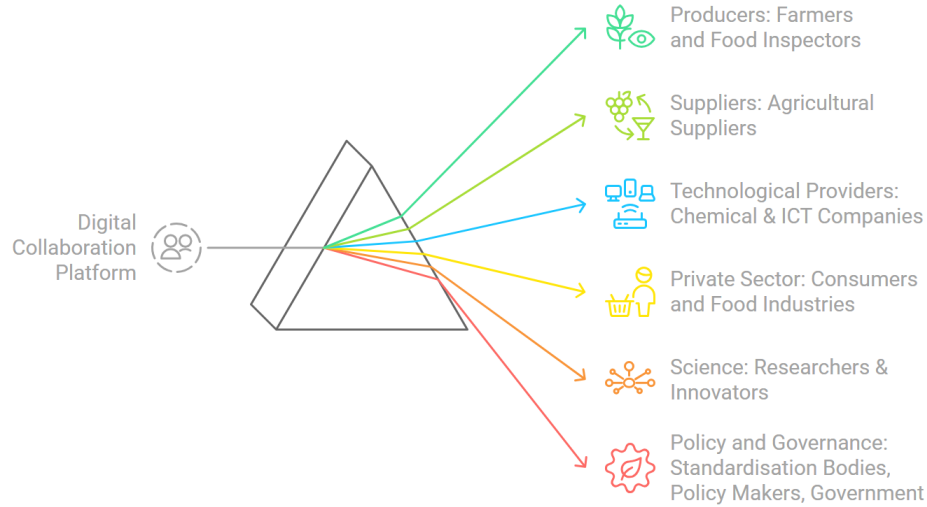
Technologies



Impacts

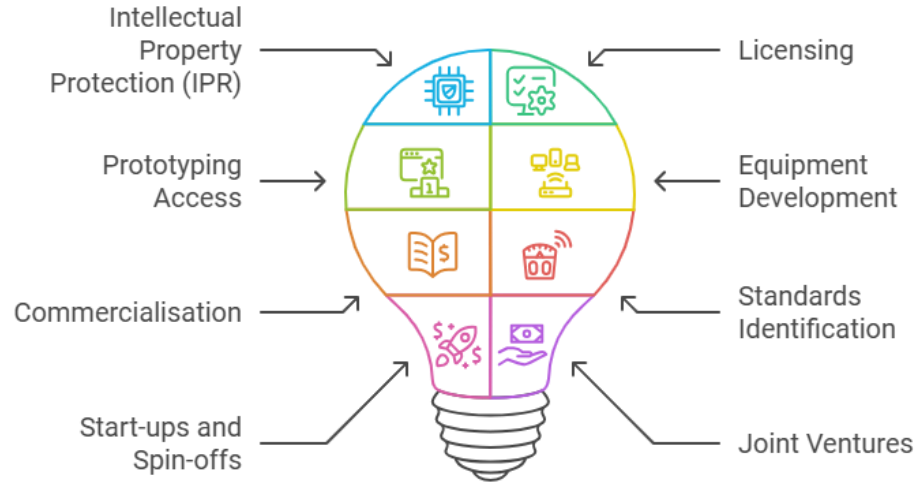


E-SPFdigit Stakeholders









E-SPFdigit Exploitation Strategy





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-  [ESPFdigit](#)
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