



Innovative practices, tools and products to boost soil fertility and peat substitution in horticultural crops

SPIN-FERT Consortium, the project funded by the European Commission under Horizon Europe, aims to revolutionise soil management in horticulture. It transforms agricultural by-products into high-quality fertilisers and peat-free substrates, promoting eco-friendly farming. SPIN-FERT integrates biostimulants and agro-industrial wastes to enhance soil fertility, employing AI-supported soil assessment tools, lab-on-chip devices, automated image analysis, and precision irrigation systems. The project develops policy recommendations for sustainable practices and fosters collaboration among 20 partners across Europe. Through community engagement and knowledge transfer, SPIN-FERT promotes healthy soil management for a greener, sustainable future.

MISSION:

- ✓ To enhance soil health and sustainable horticultural practices
- ✓ To improve agricultural productivity, reduce environmental impact, and support climate change mitigation.

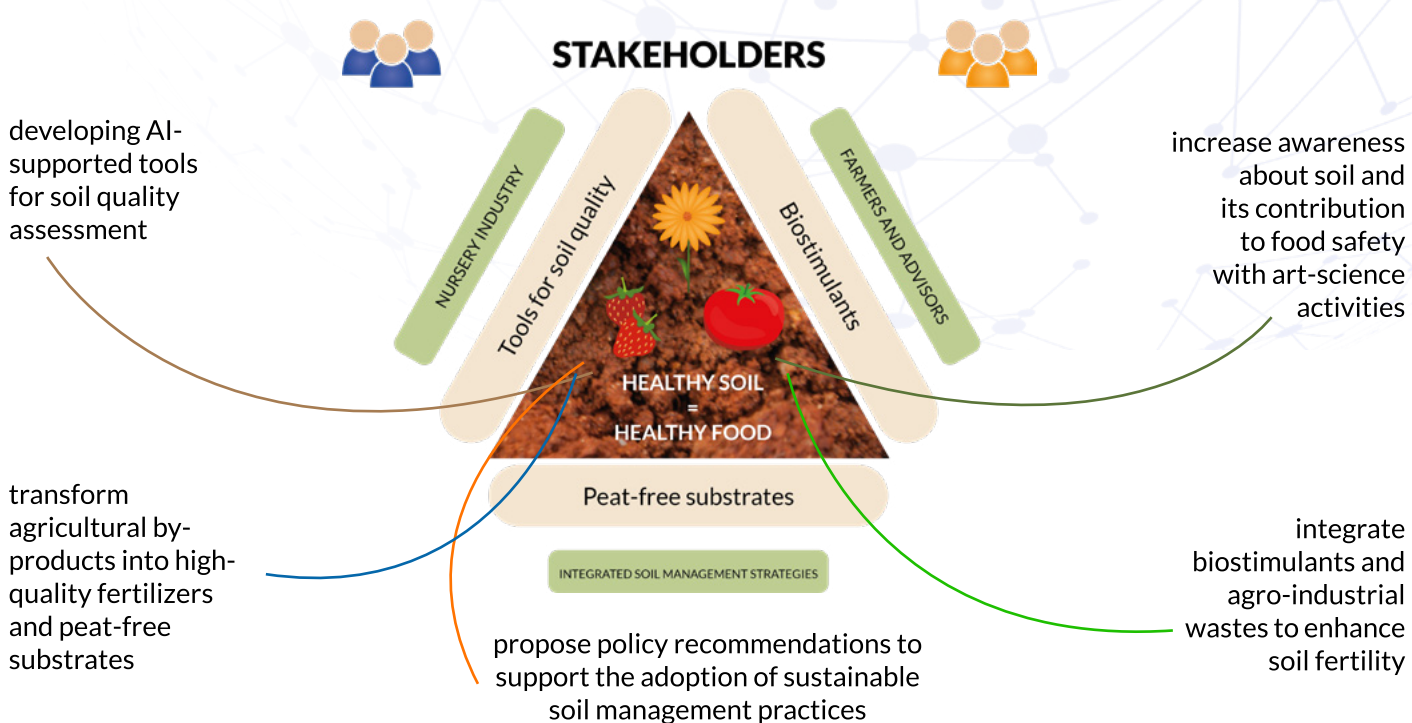
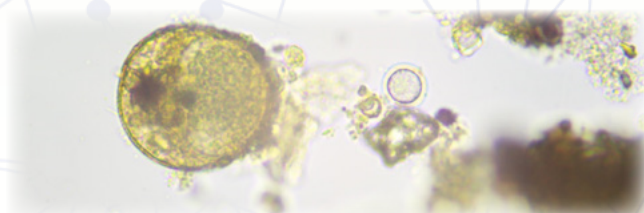
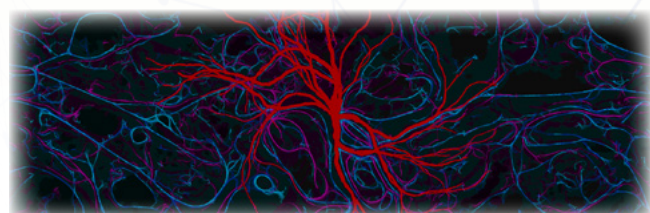


AMBITION:

- ✓ To lead the way in sustainable soil management by integrating cutting-edge technologies and fostering collaboration among stakeholders.
- ✓ To develop and implement effective practices that enhance soil health, reduce reliance on peat, and promote the use of innovative biostimulants and eco-friendly substrates

OBJECTIVES:

- ✓ To develop advanced soil health tools and sustainable horticultural practices.
- ✓ To transform agricultural by-products into valuable resources.
- ✓ To optimize fertilizer and peat-free substrate production.
- ✓ To engage stakeholders and to create supportive regulatory frameworks.



PARTNERS



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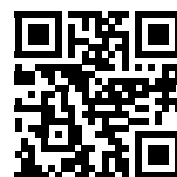
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Communication: <https://artscience-node.com>



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