



# Xcrops - Advanced diagnostic solution for plant health

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Pillar Precision Agriculture – Spoke 3/WP 6.2

**SAMOTHRACE 2<sup>nd</sup> Year:  
Experimental Prototypes Demo Showcase**

SAMOTHRACE PROJECT ECS00000022

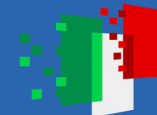
March 10th 2025



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### THE PROBLEM



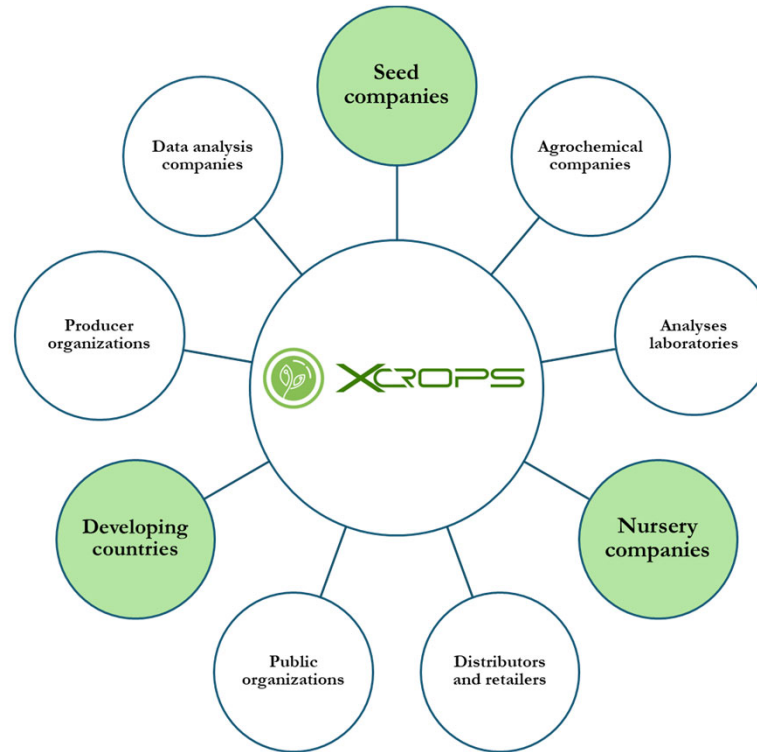
Diagnostic response time



Excessive costs

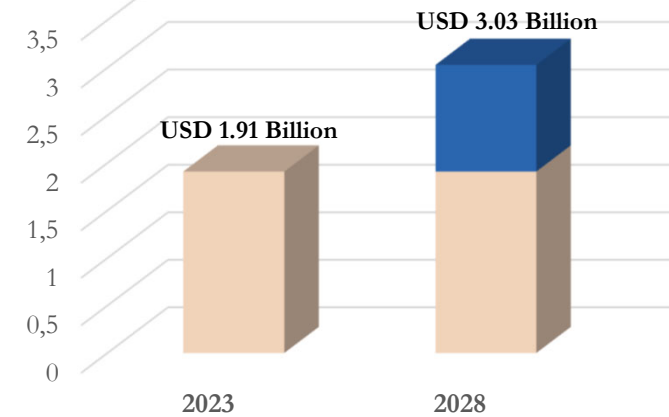


Need for skilled operators



Global Pathogen or Plant Disease Detection and Monitoring Market

Market forecast to grow at a CAGR of 9.7%



<https://www.researchandmarkets.com/reports/5914421>



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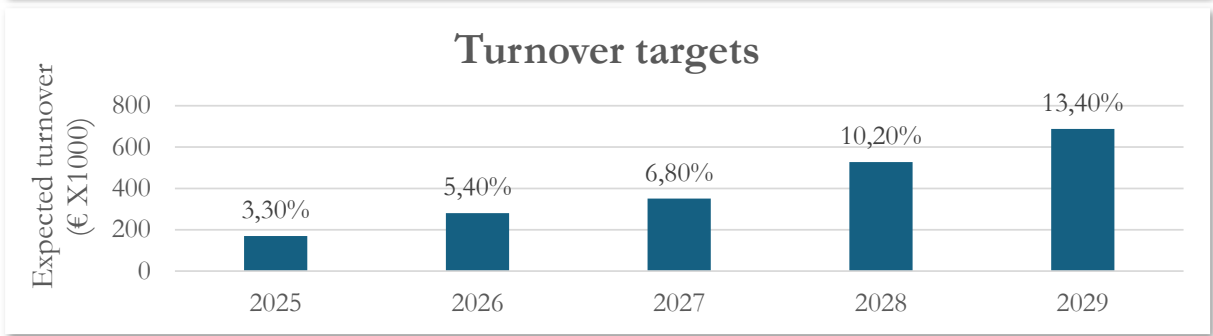
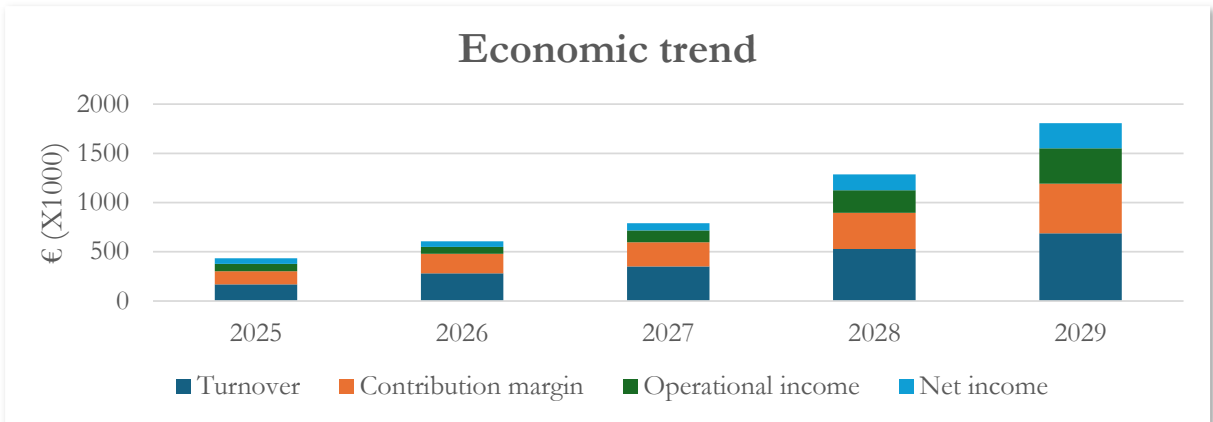
**Xcrops**

Advanced diagnostic solution for plant health



# THE SOLUTION

## PRODUCTS AND SERVICES



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### DEVELOPMENT PLAN

Background knowledge: consolidated skill of the research team in the field of molecular diagnostic protocols development

**Starting** technology readiness level  $TRL_0 = 4$



**Milestone 6 –  $TRL_8 = 5$**



**Milestone 8/Milestone 10 –  $TRL_{14} = 7$**



**Current** technology readiness level  $TRL = 8$

The technology has been shown to work in its final form and under the expected conditions



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# Xcrops

## Advanced diagnostic solution for plant health



### NEXT STEPS

Technology system in its final form ready for full (commercial) implementation in the appropriate operating environment

**TARGET**  
Technology Readiness Level  
**TRL = 9**

Operational concept



Actual system



Stable production



Safety issues



Sustainability plan



Documents



System installation



Products on market



Post-marketing studies



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# THANKS FOR YOUR ATTENTION

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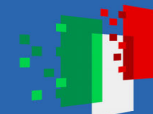
## VISIT OUR DEMO AT BOOTH N. 61



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