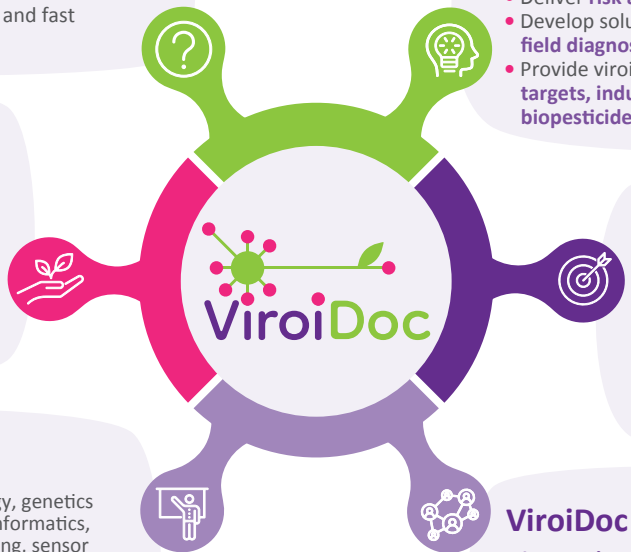
ViroiDoc at a glance

Viroids and Viroid-like RNAs

- **Infectious single circular RNA molecules** Understudied, widespread and fast evolving

Threat to crops and global food security

- **Viroid diseases** affect yield and quality of vegetables, fruit trees, hops, hemp, grapevine, coconut and oil-palms, causing damage in millions of €
- **International trade & global warming** impact pathogensdynamics (incidence, host range, disease severity)



ViroiDoc ambition

- Tackle **knowledge gaps** (molecular pathogenesis, host factor interactions, trafficking)
- Deliver **risk assessments**
- Develop solutions for **CRISPR/Cas- and sensor-based field diagnostics** and **live imaging of viroids**
- Provide viroid interventions: **resistance breeding targets, inducers of plant immunity, RNA-based biopesticides, antiviroidal therapeutics**

ViroiDoc Impact

- **Boost careers** in research, product, and service development in EU Agrisystem, Biomedicine and Biotech
- **Excellent EU R&I landscape and sustainable collaboration**
- **Public awareness** of viroid and viroid-like threats and opportunities
- **Food Safety policy recommendations, Disease management strategies**

ViroiDoc training

- **Expertise** in molecular biology, genetics and genomics, NGS and bioinformatics, omics integration, phenotyping, sensor and CRISPR/Cas technologies, modelling
- **Skilled** in programming, machine learning, statistics, data visualization, big data management, open science communication, project management, grant writing
- **Basics** of IPR and entrepreneurship

ViroiDoc Network

- **Internacional, multidisciplinary and crossectoral**
- **11** Countries
- **16** Academic institutions – Scientific and technological training
- **6** Industry partners – Transferable skills training and Secondments

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www.viroidoc.eu