



Integrating science on *Xanthomonadaceae* for integrated plant disease management in Europe

**COST Action CA16107 EuroXanth
2017 | 2021**

Participating Countries

BA, BE, BG, EE, ES, CH, CZ,
DE, FR, GB, GR, HR, HU, IL, IT,
MK, NL, NO, PL, PT, RS, SE, SI

Challenge

Present, emerging or re-emerging plant diseases due to infection by of the genera *Xanthomonas* and *Xylella* are continually challenging food security and cause significant losses to the EU economy each year, thus demanding for concerted R&D actions at the international level, which will be supported by the COST Action networking instruments.

Working Groups

WG1 – Diagnostics & Diversity

WG2 – Pathogen Biology

WG3 – Resistance & Defence

WG4 – Disease Management



Objectives

- ✓ Develop, implement, compare and standardize methods of pathogen detection
- ✓ Estimate the risk of epidemics and outbreaks
- ✓ Develop, distribute and valorize bioinformatics tools for data analysis
- ✓ Identify key bacterial factors in the microbe-eukaryote interaction at different steps of the infection/dissemination cycle
- ✓ Identify elicitors of plant defense responses as targets for resistance breeding
- ✓ Discover novel resistance traits
- ✓ Generate durably resistant crop cultivars
- ✓ Evaluate and establish disease control measures
- ✓ Evaluate and compare approaches to eliminate or reduce vector populations

Contact Details

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