



Plant Health at the Age of Metagenomics

A scientific Colloquium organised by the
European and Mediterranean Plant Protection Organization
and the
Euphresco network for phytosanitary research coordination
and funding

UNESCO, Paris, France

26th of September 2019



Colloquium agenda

Chair: Marcel Westenberg, National Plant Protection Organization, NL

- 09:00-09:10** **Introduction** (Nico Horn, European and Mediterranean Plant Protection Organization and Marcel Westenberg, National Plant Protection Organization)
- 09:10-09:30** **Genome-based pest risk assessment for newly discovered plant viruses: Nazca lines or Rosetta stone?** (Sébastien Massart, University of Liège, BE)
- 09:30-10:00** **Using collections to support pest risk assessment of novel and unusual pests discovered by high throughput sequencing** (Adrian Fox, Fera Science Ltd., GB)
- 10:00-10:30** **Practical use of metagenomics: the case study of the *Ralstonia solanacearum* species complex** (Gilles Cellier, French Agency for Food, Environmental and Occupational Health & Safety, FR)
- 10:30-11:00** **Coffee break**
- 11:00-11:30** **Genomics as a tool for the diagnosis of bacterial diseases: the case of *Xanthomonas arboricola* pv. *pruni*, the causal agent of bacterial spot of stone fruits** (Jaime Cubero, National Institute for Agricultural Research and Food Technology, ES)
- 11:30-12:00** **Genome-enhanced detection and identification of plant pathogens** (Guillaume Bilodeau, Canadian Food Inspection Agency, CA)
- 12:00-12:30** **Discussions**
- 12:30-13:30** **Lunch break (lunch not provided)**
- 13:30-14:00** **The wheat-rust conflict: shifty enemies and the long reach of genomics** (Diane Saunders, John Innes Centre, GB)
- 14:00-14:30** **Using a FAIR database and bioinformatics analyses to improve plant, human, animal and ecosystem health** (Kim Hammond-Kosack, Rothamsted Research, GB)
- 14:30-15:15** **Discussions and conclusions**
- 15:15** **End of the meeting**