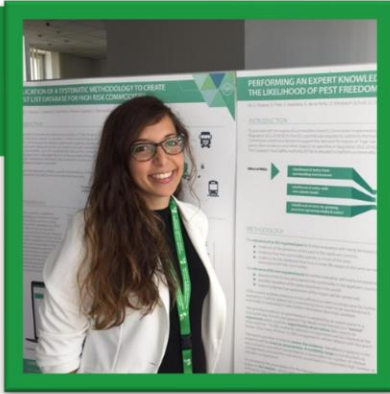


Maria Chiara Rosace



KEY-WORDS:

Plant pests · Plant health · Introductions



PROJECT TITLE



HoPPI: Hotspots for Plant Pests Introduction

Steps of the research

- Literature search to gather relevant information on available methods for hotspots identification and hotspot factors determining their occurrence.
- Data collection on pest introductions and interceptions, trade data and sampling effort.
- Case-studies selection and analysis.
- Development of spatial-explicit methods for mapping hotspots under current and future scenarios.

PROFILE

I am a PhD student and research fellow, with a background in Ecology and Sustainable Agricultural Technology. My main interests include ecosystem functioning, soil and plant health, and scientific communication and dissemination.

AFFILIATION

Department of Sustainable Crop Production (DI.PRO.VE.S.)
Università Cattolica del Sacro Cuore

LANGUAGES



Mother tongue



Level C1

Main Results

Updated and documented inventory of the EU hotspots for plant pest introductions, particularly central locations (e.g., ports or airports) with the highest risk. Methods for their identification and characterisation based on multiple hotspots factors and new spatial-explicit methods for mapping hotspots.

Research Contribution

By defining and identifying hotspots for the introduction of different pests, the HoPPI project will help defining priority areas to prevent new plant pest invasions and support the surveillance activities where the probability of introduction of new pests into the EU is higher.

HOW TO REACH ME

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HoPPI Project Collaborations

University of Padua (Italy) - Prof. A. Battisti

IVIA (Spain) – Dr. A. Vicent

EFSA – Dr. E. Czwieneczek (project co-financed by the European Food Safety Authority (EFSA) under grant agreement no. GP/EFSA/ENCO/2020/02).

Why should you care?

The introduction and spread of plant pests can pose serious threats to agriculture and food security. The identification of areas with a higher probability of pests introduction and the assessment of the potential consequences can help focusing activities, such as surveillance, on those areas, and tailor decision making on preventive measures.

