



International Association for the
PLANT PROTECTION SCIENCES

NEWSLETTER

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INIA URUGUAY- CELEBRATED THE “INTERNATIONAL YEAR OF PLANT HEALTH 2020”

With the event “5th EXPO-THESIS” held on November 4 - 6 2020, the Instituto Nacional de Investigación Agropecuaria (INIA Uruguay) celebrated the “INTERNATIONAL YEAR OF PLANT HEALTH 2020”, as declared by the United Nations General Assembly. Over a hundred participants actively joined the virtual meeting, representing a diversity of research and educational institutions from nine countries.



This was a unique opportunity to raise awareness on the key role of plant protection in fighting hunger, reducing poverty, contributing to health and well-being, protecting the environment and boosting economic development. Additionally, the event reinforced the importance of training young human resources in the area of plant health, incorporating the concept of one health to the new generations.

Twenty-five contributors connected at different parts of the world, including master and doctoral students, advisers, mentors, leaders of scientific societies and invited speakers presented their joint research work. The program included three master lectures by Dr. Kornelia Smalla (Julius Kühn-Institut, Germany), Dr. Leonardo De La Fuente (Auburn University, United States) and Dr. Trevor Jackson (AgResearch, New Zealand). A variety of topics were covered, including:



- the role of the diverse disciplines that contribute to plant health: entomology, plant pathology (virology, bacteriology, mycology, nematology), weed science, agricultural microbiology, zoology, plant breeding
- the role of scientific societies on the promotion of scientific communication by peer review journals and the training of human resources

- the role of research institutes on knowledge development for plant and environmental health
- the role of international collaborative research and networking
- the role of inter-institutional work on the training of human resources
- the legacy of expertise to the younger generations and the reciprocal benefits of student-adviser-mentor interactions

The program and the content of each presentation can be currently accessed at: <http://www.inia.uy/investigaci%C3%B3n-e-innovaci%C3%B3n/5a-Expotesis-INIA-Uy>

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SUFIT WEBINARS TO CELEBRATE THE INTERNATIONAL YEAR OF PLANT HEALTH 2020



En el Año Internacional de la Sanidad Vegetal, la SUFIT organizará una serie de Webinars.



*Temáticas a tratar:
Salud de las plantas, ambiente y sociedad.
Producción horti-frutícola, Cultivos extensivos, y Forestal.*

*Jueves 5, 12, 19 y 26 de Noviembre
Hora: 18:00 a 20:00
Modalidad: Webinars On-line*

The Uruguayan Society for Plant Pathology (Sociedad Uruguaya de Fitopatología - SUFIT), an affiliate member of the IAPPS, celebrated the International Year of Plant Health with a series of webinars, where the importance of plant health for the environment, the society and the economy was highlighted. More than 130 attendees

participated in four webinars, with international and national speakers addressing issues of plant health in the context of a sustainable future. Dr. Linda Kinkel (University of Minnesota, USA), Dr. Damián Vega (Universidad de Buenos Aires, Argentina) and Dr. Marciel Stadnik (Universidad Federal de Santa Catarina, Brazil) were invited lecturers.

Recorded webinars can be accessed at <https://www.sufit.org.uy/category/eventos/>

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AN INTRODUCTION TO EUPHRESKO (EUROPEAN PHYTOSANITARY RESEARCH COORDINATION)

Euphresco started as an ERA-Net (European research areas networks) under the 6th and 7th EU framework programme from 2006 to 2014. In the beginning, the network consisted of 23 organisations from 17 countries. In April 2014, Euphresco became a sustainable network without EU funding. Since then the network secretariat is hosted by the European and Mediterranean Plant Protection Organization (EPPO). During the years 2014 to 2020, Euphresco enlarged and left the previously established European focus. The network is now composed of 70 members from more than 50 countries in 5 continents, including USA, Australia, New Zealand, Canada and Mexico.

Euphresco's main objective is to coordinate national programmes on phytosanitary research. The contact with other national, European and international initiatives ensures a coherent strategy for setting priorities and avoiding overlaps among projects funded under different mechanisms. Euphresco organises a round of calls to fund research projects every year. So far six calls have been launched since 2014 and more than 100 projects were initiated, covering a wide range of topics. By fostering collaboration at the research level, Euphresco enables researchers to work collaboratively on plant health problems, thereby contributing to policy consultation and the adoption of specific standards and practices.

The work covers topics from diagnostics, including projects focusing on interlaboratory comparisons, via survey methods on specific pests and status quo projects on the dissemination of pests up to cooperation in awareness raising, exploring the use of remote sensing methods in the area of plant health and various information exchange networks, for example on virus diseases. In particular, the projects are intended to close the gap between small nationally funded projects and the larger EU-funded projects.

An additional positive aspect is the good connection of scientists from many countries via the Euphresco projects which enables the important information exchange that is essential for quick reaction on emerging problems and rapid addressing of upcoming questions.

Major finished projects include research on *Xylella fastidiosa* and its insect vectors, focussing on surveys of potential vector species and association with plant hosts within different habitats, evaluation of sampling and trapping methods for vector surveillance and the development and

evaluation of molecular methods (PCR, Real-time PCR and LAMP) for the detection of *X. fastidiosa* in vectors. Another example is a project on the application of Next-Generation Sequencing technology for the detection and diagnosis of non-cultivable organisms, e.g. viruses and viroids. Important ongoing projects include, e.g. research on phytosanitary risks of newly introduced crops, the validation of diagnostic tests for the detection and identification of *Tomato brown rugose fruit virus* (TBRFV) in tomato and pepper seeds and research on spreading, establishment, damaging potential and control measures for *Spodoptera frugiperda*.

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IAPPS Mission: to provide a global forum for the purpose of identifying, evaluating, integrating, and promoting plant protection concepts, technologies, and policies that are economically, environmentally, and socially acceptable.

It seeks to provide a global umbrella for the plant protection sciences to facilitate and promote the application of the Integrated Pest Management (IPM) approach to the world's crop and forest ecosystems.

Membership Information: IAPPS has four classes of membership (individual, affiliate, associate, and corporate) which are described in the IAPPS Web Site www.plantprotection.org.

The *IAPPS Newsletter* welcomes news, letters, and other items of interest from individuals and organizations. Address correspondence and information to:

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