

# EFFECTS OF PESTICIDE USE ON THE DEVELOPMENT OF BEE DISEASES. ANALYTICAL AND ECOTOXICOLOGICAL THREATS AND CHALLENGES



Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA)

## Welcome to INIA



Instituto Nacional de Investigación  
y Tecnología Agraria y Alimentaria



EURL-FV





MINISTERIO DE ECONOMIA Y COMPETITIVIDAD



Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria

# Holistic evaluation of risk factors in honey bees and wild pollinators. The situation in Spain

## COORDINATED PROJECT RTA2013-00042-C10: 9 SUB-PROJECTS



Dept. Environment & Dept. Plant Protection & Dept. Animal Reproduction & CISA

European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables

University of Valladolid, Dept Analytical Chemistry

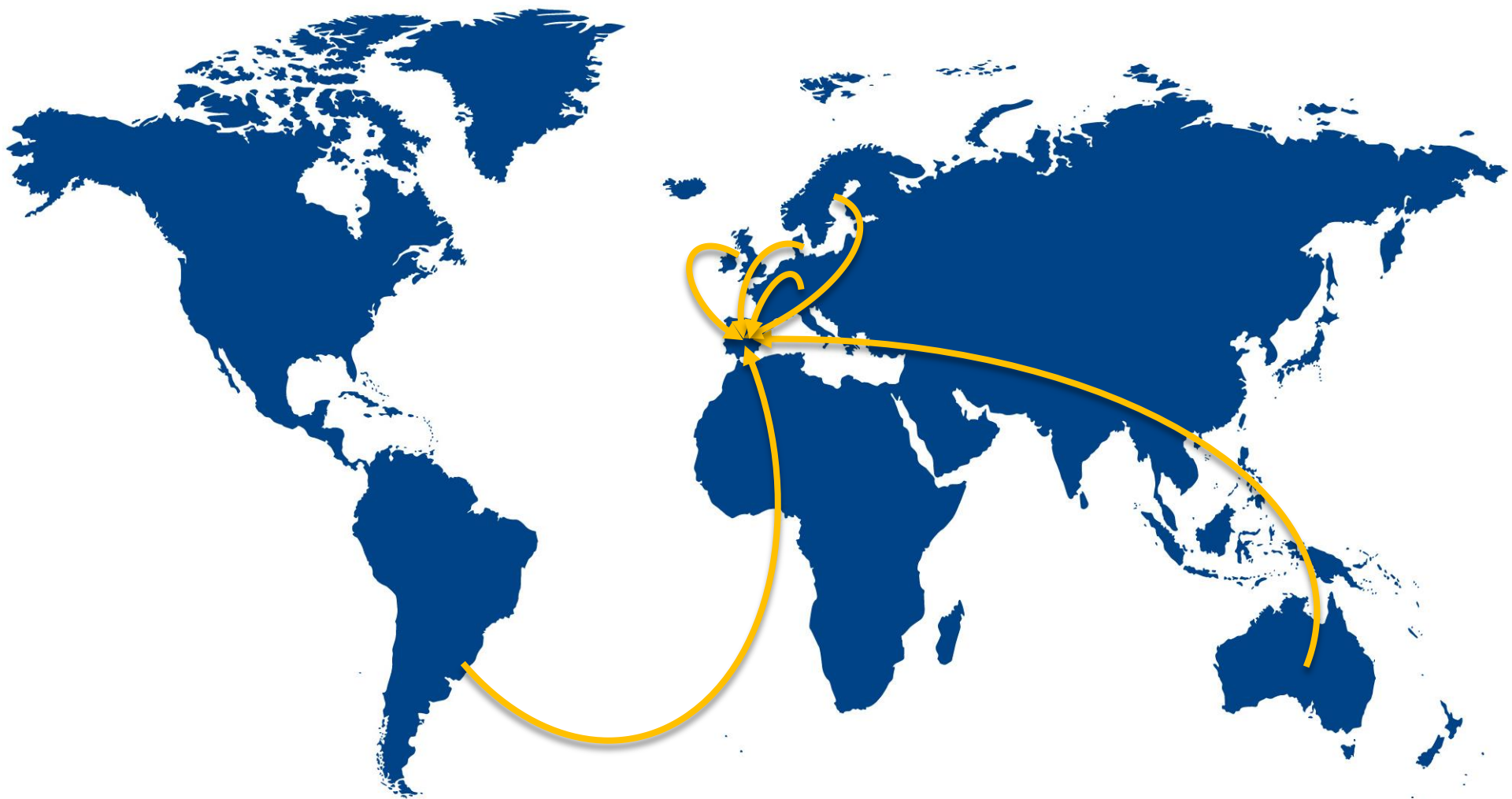
Institute for Research and Technology in Food and Agriculture- Catalonia

University of Murcia, Department of Zoology and Physical Anthropology

Regional Apiculture Center of Castilla-La Mancha, Laboratory of Pathology

University of Córdoba, Department of Zoology

Complutense University, Veterinary Health Surveillance Centre





Monday 7<sup>th</sup> November. Salón de Actos

BEE FORUM PROGRAMME

**14:30 – 14:50. Introduction and Welcome**

**WELCOME BY THE HEAD OF THE INIA**

**Mr. Manuel Laínez Andrés**

*Head of the National Institute for Agricultural and Food Research and Technology (INIA) Spain*

**Introduction by the Chair**

**14:50 – 15:10. Swedish bee monitoring programme: findings and scope**

**Mrs. Susanne Ekroth**

*Chemistry Department. Science Division. National Food Agency*

**15:10 – 15:40. Analytical quality control of pesticide residues. Method development for bee and pollen analysis**

**Mrs. Mette Erecius Poulsen<sup>1</sup>/Mr. Amadeo R. Fernández-Alba<sup>2</sup>**

*<sup>1</sup>European Union Reference Laboratory for Pesticide Residues in Cereals and Feeding Stuff. University of Denmark*

*<sup>2</sup>European Union Reference Laboratory for Pesticide Residues in Fruit & Vegetables. University of Almería*

**15:40 – 16:00. Impacts of pesticides on the health of bees**

**Mr. Francisco Sánchez-Bayo**

*Faculty of Agriculture & Environment. University of Sydney*

**16:00 – 16:20. Tracking the dangerous work of bees in agroecosystems**

**Mr. Horacio Heinzen**

*Pharmacognosy & Natural Products. University of The Republic. Uruguay*

**16:20 – 16:40. Coffee Break**



Monday 7<sup>th</sup> November. Salón de Actos

BEE FORUM PROGRAMME

**16:40 – 17:00. Bees: Syngenta : testing, risk assessment and its wider involvement in pollinator solutions**

**Mr. Mike Coulson**

*Syngenta Global. United Kingdom*

**17:00 – 17:20. Bee safety of neonicotinoids - Evidence from studies conducted under realistic field conditions**

**Mrs. Jeanine Doering**

*Bayer CropScience AG. Germany*

**17:20 – 17:40. Pesticide residue monitoring and investigation of intoxications in honeybees in Spain (2012-2016)**

**Mrs. Iratxe Pérez Cobo**

*Ministry of Agriculture, Food and Environment. Spain*

**17:40 – 18:00. Indicators of honey bee health and stress**

**Mr. Per Kryger**

*Danish Reference Laboratory for honey bee health. University of Aarhus. Denmark*

**17:40 – 18:00. Questions and Remarks**



Tuesday 8<sup>th</sup> November. Sala San Francisco

BEE FORUM PROGRAMME

**9:00 – 9:20. New data requirements for the risk assessment of pesticides to bees under Regulation (EC) 1107/2009**

**Mrs. Elena Alonso Prados**

*Dirección Técnica de Evaluación de Variedades y Productos Fitosanitarios. National Institute for Agricultural and Food Research and Technology (INIA). Spain*

**9:20 – 10:20. Field studies**

**Field studies to evaluate residues of neonicotinoids and other pesticides used in citrus and apple orchards related to bees and other pollinators: foliar treatment**

**Mrs. María Teresa Martínez Ferrer**

*Institute of Agrifood Research and Technology (IRTA). Spain*

**Methodologies for field assessment of the effects of insecticides on wild pollinators: foliar treatment on peaches**

**Mr. Manuel González Núñez**

*National Institute for Agricultural and Food Research and Technology (INIA). Spain*

**Study of the effects of neonicotinoids on pollinator populations. Sunflower crop and seed treatment**

**Mrs. María Dolores Hernando Guil<sup>1</sup>/ Mr. Sergio Gil Lebrero<sup>2</sup>**

*<sup>1</sup>National Institute for Agricultural and Food Research and Technology (INIA). Spain*

*<sup>2</sup>University of Córdoba, Spain*

**10:20 – 11:00. Coffee Break**

**11:00 – 13:00. Round Table**

**All Speakers**

**13:00 – 13:30. Conclusions and Farewell**

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