

# XVI Symposium on Pesticide Chemistry:

Advances in risk assessment and management.



## Symposium program , workshops and social activities

Piacenza, 2-5 September 2019

### Venue:

● **UNIVERSITÀ CATTOLICA DEL SACRO CUORE, via Emilia Parmense 86**

● **COLLEGIO ALBERONI, via Emilia Parmense 77**

### 2<sup>nd</sup> September

● **14:30 - 18:30**

"FOCUS version control stakeholder Workshop"  
*organised by: FOCUS DG SANTE Version Control Group*

AULA 16

### 3<sup>rd</sup> September

● **12:30 - 15:00**

The XVI Pesticide Symposium "Advances in Pesticide Risk Assessment and Management"

*Registration, poster display and light lunch*

● **15:00 - 15:10**

Welcome from the Organising Committee

● **15:10 - 15:40**

Plenary Lecture - "Historical, current & future perspectives in pesticide science"  
*Richard Maycock, Corteva Agriscience*

● **15:40 - 17:40**

#### SESSION MONITORING OF PESTICIDES AND THEIR METABOLITES

● **15:40 - 16:00**

"From plot to catchment scale: contamination of different water types with metazachlor - and flufenacet metabolites in different types of water bodies"  
*Uta Ulrich, Kiel University (Deutschland)*

● **16:00 - 16:20**

"Conducting groundwater monitoring studies in Europe for pesticide active substances and their metabolites in the context of regulation (EC) 1107/2009"  
*Anne Louise Gimsing, The Danish Environmental Protection Agency (Denmark)*

● **16:20 - 16:40**

"Evaluation of the role of dissolved and particulate phases in Chlordecone contamination in rivers"  
*Samouelian Anatja, INRA (France)*

● **16:40 - 17:00**

"Determination of Dithiocarbamate Fungicides and of their degradation products in fruits and vegetables by a multi approach strategy"  
*Alin Constantin DIRTY, ANSES (France)*

● **17:00 - 17:20**

"HRAM-tools for studies of pesticide metabolites in the soil environment"  
*Marit Almvik, Norwegian Institute of Bioeconomy Research - (Norway)*

● **17:20 - 17:40**

"Potential use or limitations of the reuse of reclaimed water in the production of vegetable foods"  
*M. J. Martínez-Bueno, University of Almeria (Spain)*

● **17:40 - 18:10**

Poster vision

REFETTORIO ALBERONI

● **18:10 - 19:00**

Commemorative speech for the memory of Ton Van Der Linden  
"Ton and the pesticide science, our heritage"  
*Aaldrik Tiktak, PBL (The Netherlands)*

● **19:00**

Dinner and Live music

COLLEGIO ALBERONI

### 4<sup>th</sup> of September

● **8:30 - 10:30**

#### SESSION PESTICIDE RISK ASSESSMENT

● **8:30 - 8:50**

"FOCUS Surface Water Repair: After the Repair is before the Repair?"  
*Dieter Schaefer, Bayer CropScience (Deutschland)*

● **8:50 - 9:10**

"Mitigation measures effectiveness evaluation: Long-term surface water monitoring of pesticides in an agricultural catchment in Belgium"  
*Gisela Quaglia, VITO (Belgium)*

● **9:10 - 9:30**

"Do the repaired FOCUS surface water scenarios result in robust exposure concentrations for the aquatic and sediment risk assessment?"  
*Pauline Adriaanse, Wageningen University & Research (The Netherlands)*

● **9:30 - 9:50**

"Spatially distributed groundwater modelling using LUCAS-topsoil data"  
*Tim Häring, BASF (Deutschland)*

● **9:50 - 10:10**

"Evaluation of pesticide monitoring data for planning risk mitigation actions on the territory: the case of Po valley plain"  
*Andrea Di Guardo, University of Bicocca (Italy)*

● **10:10 - 10:30**

"A novel hydrological model to support landscape-scale aquatic risk assessment"  
*Sebastian Multsch, Knoell (Deutschland)*

● **10:30 - 11:00**

Poster vision and coffee break

● **11:00 - 12:40**

#### SESSION PESTICIDE RISK ASSESSMENT

● **11:00 - 11:20**

"Integrated assessment of plant uptake of TFA by inverse modelling of a long-term semi-field study with two soils and winter wheat"  
*Klaus Hammel, Bayer CropScience (Deutschland)*

● **11:20 - 11:40**

"Non professional uses - a new risk assessment approach"  
*Luca Menaballi, ICPS (Italy)*

● **11:40 - 12:00**

"An integrated policy approach to facilitate the implementation of IPM"  
*Aaldrik Tiktak, PBL (The Netherlands)*

● **12:00 - 12:20**

"Proposal for a Harmonised Framework for Spatially Distributed Modelling for Pesticide Registration in Europe"  
*Bernhard Jene, BASF (Deutschland)*

● **12:20 - 12:40**

"Recent improvements in the definition and identification of error models for chemical degradation data"  
*Johannes Ranke, JRWB (Deutschland)*

● **12:40 - 13:00**

Plenary discussion

● **13:00 - 14:00**

Lunch and poster vision

● **14:00 - 15:40**

#### SESSION ENVIRONMENTAL FATE IN AIR, SOIL AND WATER

● **14:00 - 14:20**

"Leaching of herbicides in gravel - A lysimeter study comparing leaching of diflufenican, glyphosate and their degradation products in gravel and agricultural soils"  
*Christian N. Albers, The Geological Survey of Denmark and Greenland (Denmark)*

● **14:20 - 14:40**

"Behaviour of the chiral herbicide imazamox in soils: enantiomer composition differentiates between biodegradation and photodegradation"  
*Ignaz J. Buerge, Agroscope (Switzerland)*

● **14:40 - 15:00**

"Volatilization and deposition behavior of non-formulated Prothiofocarb investigated at laboratory scale"  
*Gunnar Fent, RLP AgroScience GmbH (Deutschland)*

● **15:00 - 15:20**

"Slow release of the herbicide terbuthylazine from biochar-based formulations"  
*Beatriz Gámiz, IRNAS-CSIC (Spain)*

● **15:20 - 15:40**

"Development of protocols for the measurement of the emission of pesticides into the air during and after application in agriculture"  
*Carole Bedos, INRA (France)*

● **15:40 - 16:10**

Poster vision and coffee break

● **16:10 - 17:30**

#### SESSION ENVIRONMENTAL FATE IN AIR, SOIL AND WATER

● **16:10 - 16:30**

"New FOCUS surface water scenarios - Do the new procedures for multiple applications and application windows produce meaningful results?"  
*Michael Klein, Fraunhofer IME (Deutschland)*

● **16:30 - 16:50**

"Update on finalisation of the Aged-sorption Guidance Document and extension to the evaluation of field data"  
*Ian Hardy, Battelle UK Ltd (UK)*

● **16:50 - 17:10**

"A standardised approach to address pH-dependent sorption and degradation in groundwater risk assessment"  
*Wolfram König, German Federal Environment Agency (Deutschland)*

● **17:10 - 17:30**

"Freezing and thawing of soil increase the leaching of pesticides"  
*Roger Holten, Norwegian Institute of Bioeconomy Research (Norway)*

● **17:30 - 17:50**

"Decyl glucoside surfactant Triton CG-110 does not significantly affect the environmental fate of glyphosate in soil at environmentally relevant concentrations"  
*Laura Carretta, University of Padova (Italy)*

● **17:50 - 18:10**

"Effects of tillage on pesticide transport through heavy clay soils"  
*Bibiana Betancour Corredor, University of York (UK)*

● **17:50 - 18:10**

Plenary discussion

● **18:10 - 18:40**

Poster vision and wine testing

COLLEGIO ALBERONI

● **19:30**

Gala Dinner

### 5<sup>th</sup> of September

● **8:30 - 10:10**

#### SESSION SUSTAINABLE USE, IPM AND STAKEHOLDER'S RESPONSE

● **8:30 - 8:50**

"Stimulating implementation of best management practices to reduce pesticides loads to surface water in small agricultural catchment"  
*Ingeborg Joris, VITO (Belgium)*

● **8:50 - 9:10**

"Development of Regulatory Modelling: Achievements of the EU Modelling Workshops"  
*Bernhard Gottesbueren, BASF (Deutschland)*

● **9:10 - 9:30**

"Policies and stakeholder's role in groundwater protection in areas with intensive agriculture"  
*Alexandru Marchis, Università Cattolica del Sacro Cuore (Italy)*

● **9:30 - 9:50**

"Integrated modelling of pesticide fate in landscapes for designing sustainable agricultural management strategies"  
*Marc Voltz, INRA (France)*

● **9:50 - 10:10**

"Chasing the dream of zonal and interzonal harmonization"  
*Krisztian Szegedi, BASF (Deutschland)*

● **10:10 - 10:30**

Plenary discussion

● **10:30 - 11:00**

Poster vision and coffee break

● **11:00 - 12:20**

#### SESSION ECOTOXICOLOGY INTO FATE IN REAL WORLD

● **11:00 - 11:20**

"Modelling effects of pesticides for regulatory risk assessment:TKTD models and beyond"  
*Andreas Focks, Wageningen Environmental Research (The Netherlands)*

● **11:20 - 11:40**

"Aquatic risk assessment at catchment scale - case study on insecticide exposure concentrations and effects on macroinvertebrates"  
*Wim Beltman, Wageningen Environmental Research (The Netherlands)*

● **11:40 - 12:00**

"Investigating chemical mixture toxicity in bees: data collection, modelling, mechanistic basis and implications for risk assessment"  
*Edoardo Carnesecci, Institute for Pharmacological Research Mario Negri IRCCS (Italy)*

● **12:00 - 12:20**

"Tackling some of the research gaps identified in the EFSA scientific opinion on the risk assessment of in-soil organisms"  
*Tiago Natal da Luz, University of Coimbra (Portugal)*

● **12:20 - 12:40**

Plenary discussion

● **12:40 - 13:10**

#### BEST PRESENTATION AWARD AND YOUNG SCIENTIST AWARD

● **13:10 - 13:30**

Closing remarks by Steering Committee

● **13:30**

Box Lunch break

● **14:30 - 18:00**

Workshop "Drinking water management & farming - building blocks for a long-term collaboration strategy"  
*Organised within the H2020 Project WATERPROTECT*

● **20:00**

Dinner in the vineyards