

# XVI Symposium in 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*

SALA PIANA

### 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*

SALA PIANA

- **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 (Switzerland)*

### 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"  
*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 DIRTU, 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

SALA ARAZZI

- **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)*

COLLEGIO ALBERONI

- **19:00**  
Dinner and Live music

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

#### 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

#### 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**  
"Effectiveness of Vegetative Filter Strips for Pesticides Mitigation: Mechanistic Analysis with VFSMOD"  
*Rafael Muñoz-Carpena, University of Florida (USA)*

- **13:00 - 13:15**  
Plenary discussion

- **13:15 - 14:10**  
Lunch and poster vision

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

- **14:10 - 14:30**  
"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)*

- **14:30 - 14:50**  
"Behaviour of the chiral herbicide imazamox in soils: enantiomer composition differentiates between biodegradation and photodegradation"  
*Ignaz J. Buerge, Agroscope (Switzerland)*

- **14:50 - 15:10**  
"Volatilization and deposition behavior of non-formulated Provolatocarb investigated at laboratory scale"  
*Gunnar Fent, RLP AgroScience GmbH (Deutschland)*

- **15:10 - 15:30**  
"Slow release of the herbicide terbuthylazine from biochar-based formulations"  
*Beatriz Gámiz, IRNAS-CSIC (Spain)*

- **15:30 - 15:50**  
"Development of protocols for the measurement of the emission of pesticides into the air during and after application in agriculture"  
*Carole Bedos, INRA (France)*

- **15:50 - 16:20**  
Poster vision and coffee break

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

- **16:20 - 16:40**  
"New FOCUS surface water scenarios - Do the new procedures for multiple applications and application windows produce meaningful results?"  
*Michael Klein, Fraunhofer IME (Deutschland)*

- **16:40 - 17:00**  
"Update on finalisation of the Aged-sorption Guidance Document and extension to the evaluation of field data"  
*Ian Hardy, Battelle UK Ltd (UK)*

- **17:00 - 17:20**  
"A standardised approach to address pH-dependent sorption and degradation in groundwater risk assessment"  
*Wolfram König, German Federal Environment Agency (Deutschland)*

- **17:20 - 17:40**  
"Freezing and thawing of soil increase the leaching of pesticides"  
*Roger Holten, Norwegian Institute of Bioeconomy Research (Norway)*

- **17:40 - 18:00**  
"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)*

- **18:00 - 18:20**  
"Effects of tillage on pesticide transport through heavy clay soils"  
*Bibiana Betancour Corredor, University of York (UK)*

- **18:20 - 18:35**  
Plenary discussion

- **18:35 - 19:10**  
Poster vision and wine testing

COLLEGIO ALBERONI

- **20:00**  
Gala Dinner

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

#### 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 Göttesbueren, BASF (Deutschland)*

- **9:10 - 9:30**  
"Stakeholder engagement for groundwater protection in areas with intensive agriculture"  
*Alexandru Marchis, Università Cattolica del Sacro Cuore (Italy)*

- **9:30 - 9:50**  
"Ditch maintenance as a lever to limit water contamination by pesticides"  
*Cecile Dages, 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

#### 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

#### 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**  
Field visit and Dinner in the vineyards