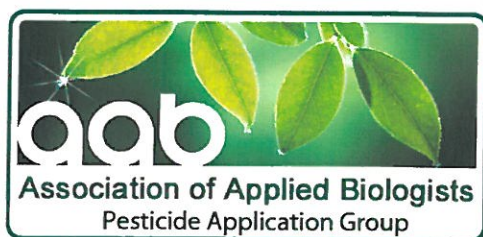


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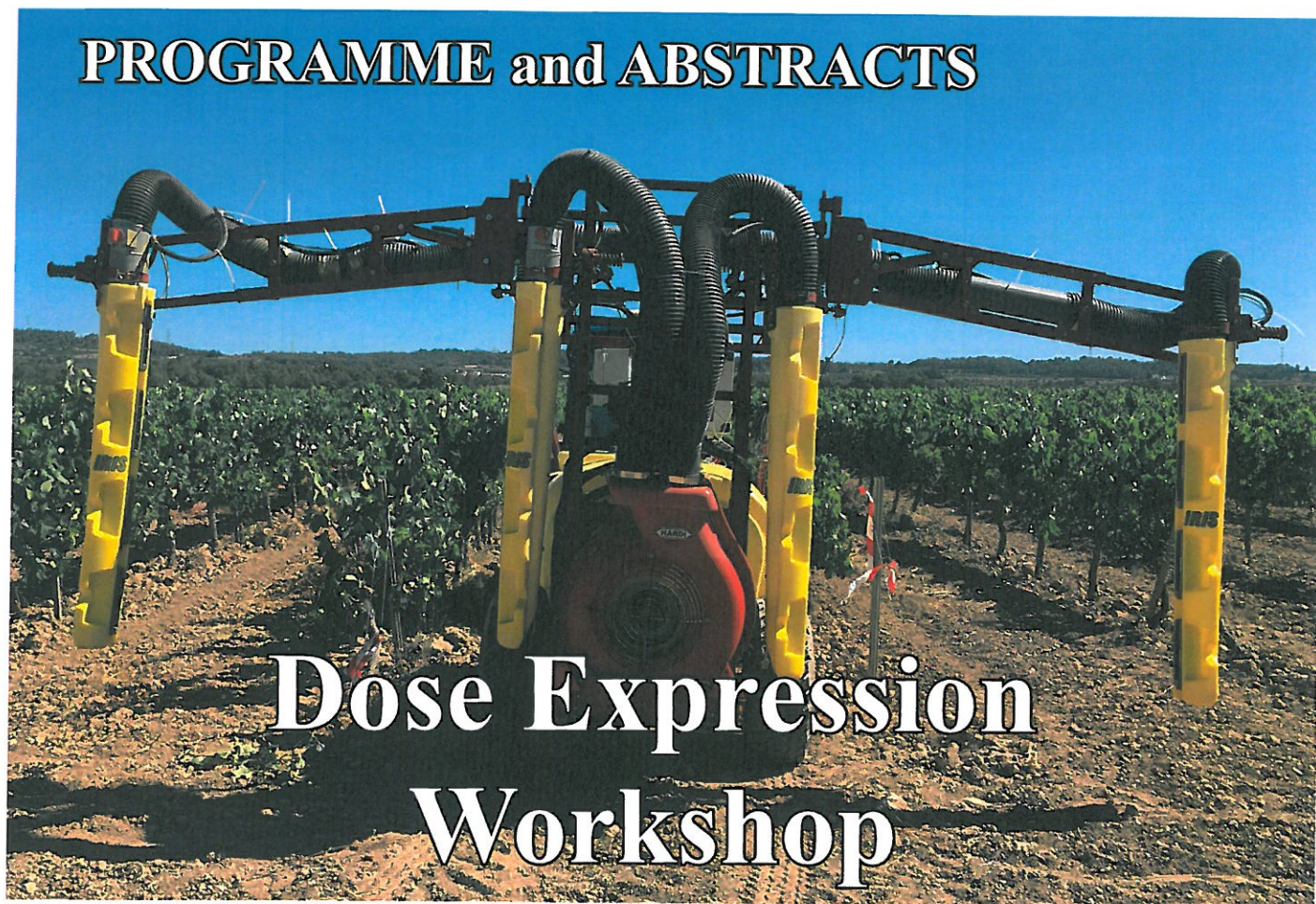


UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

**A two day workshop
at the Universitat Politècnica de Catalunya,
Barcelona, Spain**

on 6-7 November 2018

PROGRAMME and ABSTRACTS

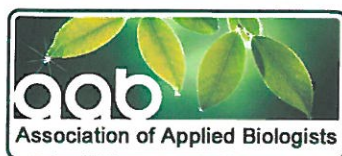


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ENQUIRIES

Enquiries concerning the technical content of the Abstracts should be addressed directly to the authors; however, other matters should be directed to the Executive Officer, Mrs Carol Millman (carol@aab.org.uk) at the AAB Office, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK

Dose Expression Workshop

on 6–7 November 2018

at the **Universitat Politècnica de Catalunya,**
Barcelona, Spain

Dose expression for “3D” crops represents one of the most controversial aspects linked with a proper and optimised use of pesticides. Researchers, regulatory bodies and private companies have been working in the last years in order to find a reasonable, logical, objective and harmonized method to express the amount of pesticide to be applied in crops as vineyard and orchards. This workshop is addressed to go a step forward in this challenge topic, combining experiences from different stakeholders and providing possible improvements to the subject.

PROGRAMME

TUESDAY 6 NOVEMBER 2018

08:30 **REGISTRATION**

09:30 **PRESENTATION & WELCOME**

Prof. EMILIO GIL (Universitat Politècnica de Catalunya, Barcelona, Spain)

09:45 **The dose expression dilemma. State of the art in Europe**

PAOLO BALSARI (University of Turin, Italy) & EMILIO GIL (Universitat Politècnica de Catalunya, Barcelona, Spain)

10:15 **COFFEE**

10:45 **Dose expression. Point of view of PPP manufacturers**

M TEICHMANN (European Crop Protection Association (ECPA), Brussels, Belgium)

11:15 **Encountered problems for dose expression harmonisation**

INGRID LANGER (European Plant Protection Organization (EPPO), Paris, France)

11:45 **Importance of clear information on the pesticide label (and appropriate expression of the resulting good agricultural practice, including how this needs to be defined for the different aspects of regulatory exposure assessment)**

CHRIS LYTHGO (Pesticides Unit, European Food Safety Agency (EFSA), Parma, Italy)

12:15 **First steps to define the rules for implementation of the LWA dose expression in France (by an inter-professional Working group)**

VÉRONIQUE MIRONET (ANSES, Maisons Alfort, France), SÉBASTIEN CODIS,
MATHILDE CARRA & FLORENCE DUPONT (CEB (French Committee on Biological trials),
Association Végéphyl, Alfortville, France)

12:45 **DISCUSSION**

13:00 **LUNCH**

14:30 **ROUND TABLE–DEBATE**

MODERATOR: PAOLO BALSARI (University of Turin, Italy)

M TEICHMANN (European Crop Protection Association (ECPA), Brussels, Belgium)

INGRID LANGER (European Plant Protection Organization (EPPO), Paris, France)

VÉRONIQUE MIRONET (ANSES, Maisons-Alfort, France)

CHRIS LYTHGO (Pesticides Unit, European Food Safety Agency (EFSA), Parma, Italy)

16:00 **TEA**

16:30 **Case study – Canopy Adapted Dosing and Spray Application in 3D Crops - A Multi-Win System**

PETER TRILOFF (Marktgemeinschaft Bodenseeobst eG, Friedrichshafen, Germany)

17:15 **END OF SESSION**

WEDNESDAY 7 NOVEMBER 2018

08:30 **Importance and methods for an accurate canopy characterisation**

J VAN DE ZANDE (Wageningen University & Research, Netherlands)

09:00 **Harmonisation of dose expression is the key to dose adjustment**

G DORUCHOWSKI (INHORT, Skierniewice, Poland)

09:30 **Practical developments for a Dosage Crop Adapted. Examples, from countries**

CHAIR: G DORUCHOWSKI (INHORT, Skierniewice, Poland)

UK PACE scheme

P J WALKLATE (PJWRC, Luton, UK)

DOSAGE ADAPTE

P H DUBUIS (Agroscope, Switzerland)

Optidose®, a method using an adjustment of the pesticide dose and and Decitrait®, a new Decision Support System for the vineyard protection

ALEX DAVY, MARC RAYNAL (Institut Français de la Vigne et du Vin (IFV), Montpellier, France)
& MARION CLAVERIE (Institut Français de la Vigne et du Vin (IFV), Orange, France)

DOSAVIÑA®, new App to determine the optimal amount of PPP/water in spray application in vineyards

EMILIO GIL & JORDI LLOP (Universitat Politècnica de Catalunya, Caselldefels, Barcelona, Spain)

11:30 **COFFEE**

12:00 **Importance of well-adjusted sprayer to guarantee the dose expression functioning**

EMILIO GIL (Universitat Politècnica de Catalunya, Castelldefels, Barcelona, Spain)

Session 1

CHAIR: J VAN DE ZANDE (Wageningen University, Netherlands)

12:30 **Dose optimisation through recapture/recycle spraying and sensor (LiDAR) spraying**

A J HEWITT & C C O'DONNELL (The University of Queensland, Gatton, Australia)

- 12:50 **DOSA3D system for adjusting doses in fruits and grapes orchards**
S PLANAS (University of Lleida-Agrotecnio Center, Spain; Generalitat de Catalunya, Spain),
C ROMAN, R SANZ & J R ROSELL-POLO (University of Lleida-Agrotecnio Center, Spain)
- 13:10 **Dose expression and use of Leaf Wall Area (LWA) with improved application techniques in fruit crops**
MARCEL WENNEKER & JAN VAN DE ZANDE (Wageningen University & Research, Zetten, The Netherlands)
- 13:30 **LUNCH**
- Session 2*
CHAIR: PAOLO BALSARI (University of Turin, Italy)
- 15:00 **CitrusVol: A Support Tool for Citrus Adapted Spraying**
CRUZ GARCERÁ, ALBERTO FONTE, ENRIQUE MOLTÓ & PATRICIA CHUECA (IVIA, Moncada, Spain)
- 15:20 **Experimental modelling of spraying deposit according to vine canopy architecture to design scenarios for dose expression and adjustment**
MATHILDE CARRA (IRSTEA, Montpellier, France), SÉBASTIEN CODIS, ADRIEN LIENARD (IFV, French Wine and Vine Institute, Montpellier, France) & OLIVIER NAUD (IRSTEA, Montpellier, France)
- 15:40 **Importance of sprayer performance for dose adjustment and plant protection security: The tools allowing to classify sprayers according to safety margins for dose adjustment**
SÉBASTIEN CODIS (Institut Français de la Vigne et du Vin (IFV), Montpellier, France), J-P DOUZALS (IRSTEA UMR ITAP), Montpellier, France), ADRIEN VERGES (Institut Français de la Vigne et du Vin (IFV), Montpellier, France), MATHILDE CARRA, XAVIER RIBEYROLLES, J-F BONICEL (IRSTEA UMR ITAP), Montpellier, France), ADRIEN LIENARD & XAVIER DELPEUCH (Institut Français de la Vigne et du Vin (IFV), Montpellier, France)
- 16:00 **Orchard Dose adjustment decision tools: The scenarios tested in France**
FLORENCE VERPONT (CTIFL, Prignonrieux, France)
- 16:20 **TEA**
- 17:00 **CONCLUSIONS OF THE WORKSHOP**
- 17:30 **CLOSE & DEPART**