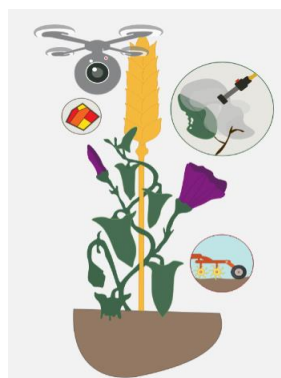


# **EWRS Workshop**

## **“Sustainable use of herbicides and novel weeding solutions in cropping systems”**

**3-days-Workshop of the EWRS WGs "Sustainable use of herbicides”**



# **PROGRAMME**

**Belgrade, Serbia**

**13 –15 May 2024**

**Scientific Committee:**

**Milena Simić**

**Demosthenis Chachalis**

**Milan Brankov**

**Miodrag Tolimir**

**Organizing Committee:**

**Milena Simić**

**Demosthenis Chachalis**

**Milan Brankov**

**Vesna Dragičević**

13.05. MONDAY		
8.00-8.30	Registration	
8.30-9.00	Welcome	
Session 1	Chair	Demosthenis Chachalis & Milena Simić
9.00-9.30	Invited lecture	<u>Kateřina Hamouzova</u> , Miroslav Jursık, and Josef Soukup Sustainable use of ALS- and ACCase-inhibiting herbicides in Europe
9.30-10.00	Introductory lecture	Stevan Knezevic Herbicide Tolerant Maize and Soybeans in USA: 25 years later
10.00-10.15	Discussion	
10.15-10.40	Coffee break	
Session 2	Chair	Silvia Panozzo & Miloř Zarić
10.40-11.00	Key note lecture	<u>Goran Malidřa</u> , Sava Vrbnićanin, Dragana Bořić, Danijela řikuljak, Bojan Konstantinović, Katarina Jovanović-Radovanov, Miloř Rajković, Nataša Samardžić, Jovana Krstić Awareness of herbicide-resistant weeds and anti-resistance strategy measures among Serbian farmers
11.00-11.15	Novel techniques and digital solutions	<u>Maren Pukrop</u> , David Hagemann, Tim Zurheide, Mark Niemeyer, Marian Renz, Daniel Di Marco, Markus Hoferlin, Philipp Stark, Florian Rahe, Matthias Igelbrink, Mario Jenz, Stefan Stiene, Joachim Hertzberg, Thomas Jarmer, Dieter Trautz Creation of species-specific application maps for weed management using UAV Data
11.15-11.30	IWM	<u>David Hagemann</u> , Maren Pukrop, Tim Zurheide, Mark Niemeyer, Marian Renz, Daniel Di Marco, Markus Hoferlin, Philipp Stark, Florian Rahe, Matthias Igelbrink, Mario Jenz, Stefan Stiene, Joachim Hertzberg, Thomas Jarmer, Dieter Trautz Cognitive Weeding: An End to End Single-Plant Specific Weed Regulation Approach
11.30-11.45	IWM	Efstratios Michalis, <u>Athanasios Ragkos</u> , Dimosthenis Chachalis Economic performance and adoption of Sustainable Weed Management Practices: Evidence from Mediterranean cropping systems
11.45-12.00	Novel techniques and digital solutions	<u>Demosthenis Chachalis</u> , A. Kousta, A. Tsekoura, M. Lykogianni, C. Anagnostopoulos, A. Petraki, Despina Tsiriva, Despoina Giaouzi Novel Plant Growth Regulators (PRGs): Nanochitosan-based GA3 applications
12.00-12.15	Novel techniques and digital solutions	Gerassimos G. Peteinatos, Nikolaos Katsenios, Aspasia Efthimiadou, Dimosthenis Chachalis, Konstantinos P. Ferentinos Precision Weed Management in Cotton
12.15-12.45	Discussion	
12.45-14.00	Lunch break	
Session 3	Chair	Maja řćećpanović & Miroslav Jursik
14.00-14.15	Herbicide persistence, tolerance and resistance	<u>Nesho Neshev</u> , Mariyan Yanev Preliminary results of mixed application of Stratos Ultra with plant biostimulants in CTM maize  <u>Dragana Bořić</u> , Teodora Tojić, Sava Vrbnićanin

14.15-14.30	Herbicide persistence, tolerance and resistance	Risk of Tolerant Crops Cultivation: Gene Flow from Herbicide-Tolerant Sunflower to Weedy Sunflower
14.30-14.45	Herbicide persistence, tolerance and resistance	<u>Christina Wellhausen</u> , Lorenzo Castaldello, and Nils Klingemann CONVISO® SMART Stewardship: integrated management of herbicide-tolerant sugar beet
14.45-15.00	Herbicide application	Filip Vranješ, <u>Dragana Božić</u> , Sava Vrbničanin Effect of reduced mesotrione doses on <i>Chenopodium album</i> and <i>Abutilon theophrasti</i>
15.00-15.15	Herbicide application	<u>Milos Zaric</u> , Kasey P. Schroeder, Jeffrey A. Golus, Greg R. Kruger The Role of Drift-Reducing Nozzles and Spray Additives on Dicamba Efficacy
15.15-15.30	Herbicide application	<u>Milan Brankov</u> , Milena Simić, Miloš Zarić, Natalija Pavlović, Vesna Dragičević The importance of herbicide + adjuvants technics application for the efficacy of maize weed control
15.30-15.45	Discussion and Poster session	
P1	Herbicide persistence, tolerance and resistance	Bernd Sievernich, Xavier Belvaux, <u>Barrie Hunt</u> HRAC Europe – Partner on Weed Resistance Management
P2	Herbicide persistence, tolerance and resistance	<u>Jelena Gajić Umiljendić</u> , Marija Sarić-Krsmanović, Ljiljana Šantrić, Ljiljana Radivojević Tomato sensitivity to simulated soil residues of clomazone
P3	persistence, tolerance and resistance	<u>Miloš Rajković</u> , Miloš Zarić, Milan Brankov <i>Ambrosia psilostachya</i> DC. (Asteraceae): a new threat for Serbian agriculture and possible solutions for chemical control in major crops
15.45-16.15	Coffee break	
FG meeting	Chair	Demosthenis Chachalis, Milena Simić, Miroslav Jursik & Silvia Panozzo
16.15-16.30	Focus Group introduction	
16.30-17.00	FG work	
17.00-17.15	Coffee break	
17.15-17.45	FG discussion	

## 14.05. TUESDAY

Session 4	Chair	Josef Soukup & Dragana Božić
8.55-9.15	Key note lecture	Kateřina Hamouzová, Veronika Valičková, Pavlína Košnarová, <u>Josef Soukup</u> Biological end ecological features of barren brome in relation to its control
9.15-9.30	IWM	<u>Miroslav Jursik</u> , Michaela Kolářová, Josef Soukup Integrated <i>Bromus sterilis</i> control in Central Europe
9.30-9.45	IWM	Ioannis Gazoulis, Panagiotis Kanatas, Nikolaos Antonopoulos, Metaxia Kokkini, <u>Marios Danaskos</u> , Anastasia Tsekoura, Triantafyllia Demirtzoglou, Ilias Travlos

		The Integrated Effects of Biostimulant Application and Mechanical Weed Control on Weed Growth and Maize ( <i>Zea mays</i> L.) Yield
9.45-10.00	IWM	<u>Vesna Dragičević</u> , Milena Simić, Natalija Pavlović, Milena Šenk, Milan Brankov Integrated Weed Management in maize: the case of crop rotation and pre-emergence herbicides
10.00-10.15	IWM	<u>Maša Buđen</u> , Željko Dolijanović, Nataša Ljubičić, Vesna Dragičević, Miloš Pajić, Milena Simić Effects of Conventional Tillage, Reduced Tillage and Cover Crops on Weed Population
10.15-10.30	IWM	Natalija Pavlović, Milena Simić, Željko Dolijanović, Vesna Dragičević, Milan Brankov Weed and nutrient management in edamame soybean production
10.30-10.45	Discussion	
10.45-11.15	Coffee break	
Session 5	Chair	Maja Šćepanović & Maren Pukrop
11.15-11.30	IWM	<u>Ioannis Gazoulis</u> , Panagiotis Kanatas, Nikolaos Antonopoulos, Metaxia Kokkini, Anastasia Tsekoura, Triantafyllia Demirtzoglou, Ilias Travlos The Integrated Effects of Biostimulant Application, Mechanical Weed Control, and Herbicide Application on Weed Growth and Maize ( <i>Zea mays</i> L.) Yield
11.30-11.45	Biological control	<u>Laura Pismarović</u> , Valentina Šoštarčić, Maja Šćepanović The addition of phenolic acids to reduced doses of herbicides significantly increases the effectiveness against <i>Ambrosia artemisiifolia</i> L.
11.45-12.00	Biological control	Danijela Šikuljak, <u>Ana Anđelković</u> , Sanja Đurović, Alsadegh Ali Zawia, Mohamed Aibrahim Elahmar, Layth Nesseeef Bioherbicide potential of <i>Sorghum halepense</i> plant extracts in weed control
12.00-12.15	Biological control	<u>Maja Šćepanović</u> , Laura Pismarović, Valentina Šoštarčić Environmental friendly control of <i>Ambrosia artemisiifolia</i> with a combination of reduced herbicide dose and phenolic acids
12.15-12.30	AWM	<u>Silvia Panozzo</u> , Laura Scarabel, Maurizio Sattin and Donato Loddo Living Lab to promote research, development and technological transfer for sustainable weed management in agricultural crops
12.30-12.45	AWM	<u>Milena Simić</u> , Milan Brankov, Vesna Dragičević, Helena Freitas, Ilias Travlos, Alexandros Tataridas Agroecological weed management in Living Labs: the cases of organic and conventional maize and soybean
12.45-13.00	Discussion	
13.00-14.30	Lunch break	
14.30-14.45	IWM	Pasoubady Saravanane Integration of seeding rate and herbicides for effective weed management in dry direct seeded rice
14.45-15.00	IWM	Jovana Krstić, Goran Malidža Band herbicide application and inter-row cultivation as an effective solution for broadleaf weed management in soybean
15.00-15.15	IWM	Aleksandra Savić Predicting competition of <i>Ambrosia trifida</i> against <i>Ambrosia artemisiifolia</i> : is there potential for a bigger troublemaker weed?

15.15-15.30	Discussion	
20.00	Dinner and Boat trip on Danube river	
15.05.	WEDNESDAY	
10.00 -13.00	Field visit to Maize Research Institute	
13.00 -13.30	Coffee break	
13.30 - 13.45	<u>Cordingley Matt, Syngenta</u> An Integrated Approach to Weed Resistance Management	
13.45 - 14.00	<u>Rocco Di Modugno, Nenad Krasic, Vittorio Ciambrone, Milena Simic, Azelis doo</u> Benefits of biostimulation on corn hybrids through novel applied natural derived technologies	
14.00 - 14.30	Final discussion and closing remarks	
14.30 - 15.30	Cocktail	
15.30 - 16.00	Demosthenis Chachalis	Wrap up / END

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