

Conference Program

Monday, 29 September

Location: [Falkensteiner Hotel](#)

14:00 -18:00	Registration of participants
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Chairs: *Violeta Anđelković and Alain Charcosset*

15:30 – 16:00	Historical overview of maize breeding at Maize Research Institute Zemun Polje
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Jovan Pavlov, Maize Research Institute, Serbia

16:00 – 16:20	Maize genetic resources: value for research, breeding and society
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Alain Charcosset, INRA, France

16:20 – 16:40	Is Phenomics a Good Investment for Crop Improvement? A Texas Maize Breeder's Perspective
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Seth C. Murray, Texas A&M University, College Station, USA

16:40 – 17:00	Rapid Population Improvement using Fertile and Vigorous Haploids in Maize
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Thomas Lubberstedt, Iowa State University, USA

17:00 – 17:30	Coffee break and e-poster session
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Chairs: *Jovan Pavlov and Thomas Lubberstedt*

17:30 – 17:50	Agronomic and genetic approaches, including CRISPR, for producing low asparagine wheat, in the context of evolving regulations on genome edited crops and acrylamide in food
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Nigel G. Halford, Rothamsted Research, UK

17:50 – 18:10	Separating Genetic and Environmental Impacts on the Maize Microbiome
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Jason G. Wallace, University of Georgia, USA

18:10 – 18:30	High-throughput Plant Phenotyping in the Era of LLMs: What to Expect in the Coming Years
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Alexis Comar, France

18:30 – 19:00	Discussion
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Tuesday, 30 September

Chairs: *Sofija Božinović and Domagoj Šimić*

Location: [Falkensteiner Hotel](#)

8:30 – 8:50	A novel tool for longitudinal phenotyping in maize: Towards the „clinical trials“ in agriculture
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Vlatko Galić, Agricultural Institute Osijek, Osijek, Croatia

8:50 – 9:10	Integrating High-Throughput Field Phenotyping into Maize Breeding: PHENO_MaizE Project Achievements and Preliminary Results
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Aleksandar Kovačević, Maize Research Institute, Serbia

9:10 – 9:30	Molecular Strategies for Thermotolerant Pollen: A Translational Perspective
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David Honys, Czech Academy of Sciences, Czech Republic

9:30 – 9:50	SNP analysis for maize breeding progress in Ukraine
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Viktoria Semenova, SPFE Company MAIS, Ukraine

9:50 – 10:10	The effect of low temperatures on the maize transcriptome during the emergence stage
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Manja Božić, Maize Research Institute, Serbia

10:10 – 10:20	Discussion
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10:20 – 10:50	Coffee break and e-poster session
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Chairs: *Milena Simić and Ilias Travlos*

10:50 – 11:10	Mitigation of mycotoxin contamination along the cereal food chains: advanced strategies in the current climate crisis
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Antonio Moretti, Italy

11:10 – 11:30	Herbicide Tolerant Maize and Soybeans in USA: 25 years later
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Stevan Knezević, University of Nebraska, USA

11:30 – 11:50	Maize (<i>Zea mays</i> L.) Hybrids response to relative time of the emergence of weeds and their weed competitive ability in a Mediterranean environment
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Ilias Travlos, Agricultural University of Athens, Greece

11:50 – 12:10	Advancing Precision Application Science through MRIZP and PAT Lab Collaboration
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Miloš Zarić, University of Nebraska, USA

12:10 – 12:30	Impact of nanostructured nitrogen fertilizer "nano urea" on morpho-agronomical traits of common wheat (<i>Triticum aestivum</i> L.)
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Primož Titan, University of Maribor, Slovenia

12:30 – 12:40	Discussion
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12:40 – 13:40	Lunch
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Chairs: *Sladana Žilić and Vural Gökmen*

13:40 – 14:00	What we learned so far considering acrylamide in thermally processed foods? Vural Gökmen, Hacettepe University, Türkiye
14:00 – 14:20	Acrylamide in cereal snacks and possibilities for its mitigation Zuzana Ciesarová, Food Research Institute in Bratislava, Slovakia
14:20 – 14:40	Exploring the Bioactive Compounds of ZP Cereals and Legumes and Their Potential Applications: Bridging Food Science with Modern Breeding Valentina Nikolić, Maize Research Institute, Serbia
14:40 – 14:50	Discussion

Chairs: *Jelena Srdić and Nikola Grčić*

14:50 – 15:10	FAST tracking; Simulating reproductive thermotolerant under the microscope Said Hafidh, Czech Republic
15:10 – 15:30	From seed science to ISTA rules for seed testing Florina Palada, ISTA, Switzerland
15:30 – 15:50	The ECPGR European Evaluation Network EVA, successful public-private partnerships for evaluation of European PGRFA Sandra Goritschnig, ECPGR, Italy
15:50 – 16:00	Discussion
16:00 – 16:30	Coffee break and e-poster session

Chairs: *Slavica Stanković and Antoneta Kuhar*

16:30 – 16:45	CREDIT Vibes Project: From Science to Innovative Agrotechnology through Trichogramma-Based Biocontrol in Maize Kristina Petrović, Maize Research Institute, Serbia
16:45 – 17:00	Practical breeding methods: Example of a common bean breeding program from Slovenia Barbara Pipan, Agricultural Institute of Slovenia, Slovenia
17:00 – 17:15	The Field Diagnostic Toolbox Eva Sarigiannidou, Interbalkan Environment Center, Greece
17:15 – 17:30	Nutritional quality of field crops: Cereal grains and groats example Lovro Sinkovič, Agricultural Institute of Slovenia, Slovenia
17:30 – 17:45	Detection of root pests in maize using proximal hyperspectral imaging Uroš Žibrat, Agricultural Institute of Slovenia, Slovenia
17:45 – 18:00	Amplifying the societal impact of European Funded research programmes: how to engage stakeholders and share best practices Eva Sarigiannidou, Interbalkan Environment Center, Greece
18:00 – 18:30	Discussion
20:00 – 23:00	Social dinner

Wednesday, 1 October

10:00 -14:00	Educational events Location: Maize Research Institute , Belgrade, Serbia
10:00 – 11:00	Workshop 1: Genotyping and Phenotyping Strategies to Improve Breeding Outcomes at the Maize Research Institute Zemun Polje Marija Kostadinović, Vesna Perić, Sanja Perić
11:00 – 11:15	Discussion
11:15 – 12:15	Workshop 2: Spectroscopy in food analysis Marijana Simić
12:15 – 12:30	Discussion
12:30 – 13:30	Workshop 3: Building scientific success: The Role of PMO and HR in Research Institutions Iva Savić, Aleksandra Ognjanović
13:30 – 14:00	Discussion and closing remarks
	Excursion Location: Oplenac, Serbia