

## Conference Program

### Monday, 29 September

Location: [Falkensteiner Hotel](#)

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

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

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| 16:00 – 16:20 | <b>Maize genetic resources: value for research, breeding and society</b> |
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Alain Charcosset, INRA, France

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

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

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

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| 17:30 – 17:50 | <b>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</b> |
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Nigel G. Halford, Rothamsted Research, UK

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

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

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

**Chairs:** *Sofija Božinović and Domagoj Šimić*

Location: [Falkensteiner Hotel](#)

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

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

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

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| 9:30 – 9:50 | <b>SNP analysis for maize breeding progress in Ukraine</b> |
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Viktoria Semenova, SPFE Company MAIS, Ukraine

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

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| 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*

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

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

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| 11:30 – 11:50 | <b>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</b> |
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Ilias Travlos, Agricultural University of Athens, Greece

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

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

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

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

**Chairs: *Jelena Srdić and Nikola Grčić***

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

**Chairs: *Kristina Petrović and Antoaneta Kuhar***

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

**Wednesday, 1 October**

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