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IMPROVING CROPS



Funded by European Union
Horizon 2020
Grant agreement No 771367



Invitation

ECOBREED project Workshop

18-23 June 2023



Advanced genotyping workshop

We invite you to the **Advanced genotyping workshop**, organized by the Institute of Field and Vegetable Crops, National Institute of the Republic of Serbia in the framework of the Horizon 2020 project ECOBREED.

The program will cover the following topics:

- ECOBREED project aim and main results
- Advanced genotyping
- Methods of soybean breeding
- Soybean ideotypes for organic farming systems

ECOBREED offers a limited amount of **bursaries for students, early registration fee for supporting participants.**



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Workshop background

Among crop sciences, plant breeding discipline and tools are crucial for effectible improvement of organic sector. The main traits that plant breeding must effectively integrate are better crop adaptability to local agro-ecological conditions, tolerance to changing biotic and abiotic stressors, and excellent product quality. The incorporation of cutting-edge genotyping tools will be beneficial and useful for accelerating breeding efforts, especially for quantitative traits that are challenging to breed. The most promising new cultivar candidates are still chosen by careful phenotyping of a large number of breeding candidates, which remains the foundation of plant breeding.

During the 2023 workshops, we will focus into the topics of advanced genotyping tools in relation to organic soybean improvement, such as advanced genotyping, for measuring and predicting relevant plant traits in a plant breeding context.





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Workshop programme

Day 1: Monday, 19 June 2023

Initial meeting

Soybean pangenome and genetic diversity

Day 2: Tuesday, 20 June 2023

Innovations in breeding technology

Breeding for abiotic stress and climate change

Day 3: Wednesday, 21 June 2023

Genomics-assisted breeding

Yield and seed composition response to environment

Day 4: Thursday, 22 June 2023

Germplasm collections and evaluation

Breeding for biotic stress

ECOBREED workshop

Note: the detailed program will be available at the beginning of May.





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Venue: Austria Center Vienna (ACV), Bruno-Kreisky-Platz 1, Vienna, Austria

Training language: English

Training format: Lectures, workshop

Pre-requisites: MSc students in Agricultural Sciences, specialization in Genetics and Breeding or a related field is of advantage or PhD students in Plant Breeding or a related field

Bursaries: **ECOBREED project offers a limited amount of bursaries for students, covering the early registration fee for selected participants.**

Obligatory documents for bursaries qualifications: student card and motivation letter. Selected students will be contacted individually, upon process completion.

Criteria for bursaries award

- Motivational letter and field of interest
- Country with low uptake of organic agriculture
- Gender equality

Deadline for bursary application: 31 of March 2023 at <https://www.wsrc11vienna.com/> by conference registration process.

Deadline for conference registration: 30 of April 2023

More information and registration for the conference:

<https://www.wsrc11vienna.com/>

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