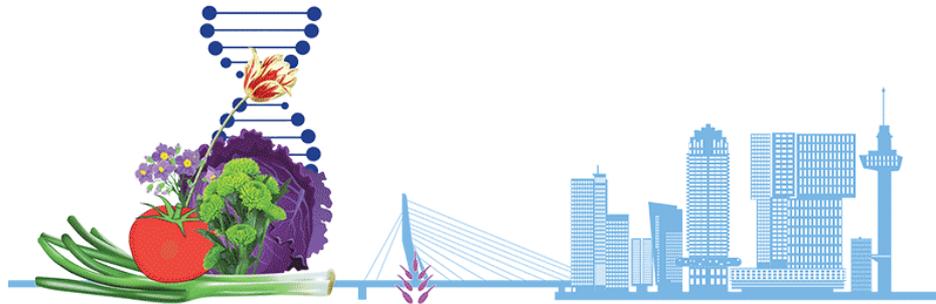


BREEDING: THE KEY TO INNOVATIVE SOLUTIONS



EUCARPIA

21st GENERAL CONGRESS
22-27th AUGUST 2021
ROTTERDAM/THE NETHERLANDS

EUCARPIA

SECTION ORGANIC & LOW-INPUT AGRICULTURE

EUCARPIA General congress online from 23-26 August 2021

HOME

PROGRAM

REGISTRATION

CALL FOR ABSTRACTS

Section Organic and Low Input Agriculture, "Organic regulations opens door for breeding for diversity

16:30 – 16:35 **Pedro Mendes Moreira**, *Welcome to the Section meeting*

16:35 – 16:45 **Monika Messmer**, *Boosting organic seed and plant breeding efforts across Europe – Main achievements of LIVESEED.*

16:45 – 17:00 **Matteo Petitti**, *From Cereal Populations to Organic Heterogeneous Material: success stories and lessons learned in Italy.*

17:00 – 17:15 **Pedro Mendes-Moreira**, *Breeding for Crop Mixtures and Agroforestry in Organic and Low-Input.*

17:15 – 17:30 **Jérôme Enjalbert**, *Assessing mixing ability from incomplete designs in binary or higher order variety mixtures and application to wheat.*

17:30 – 17:45 **Linda Legzdina**, *Highlights on recent heterogeneous population research results.*

17:45 – 18:00 **Monika Messmer**, *Legal framework and temporary experiment on Organic Varieties.*

18:00 – 18:25 - General discussion

18:25 – 18:30 - Outlook of future activities of Section Organic and Low Input Agriculture.

Overview of Section activities so far:

2005 the section started as a **Working Group** and since 2007 it became a Section and attracted many members (more than 200) and had several interesting and successful meetings:

- **2007**, Wageningen-NL: **Plant breeding for organic and low-input agriculture: dealing with genotype environment interaction**; abstract book is available on-line and a special issue was produced for Euphytica with peer-reviewed papers (Euphytica 163, Oct 2008).
- **2010**, Paris-F: **Breeding for Resilience**, proceedings online.
- **2013**, Goettingen-D: **Breeding for Nutrient Efficiency**. abstract book is available on-line and a special issue was produced for Euphytica with peer-reviewed papers (Euphytica 199, 2014).
- **2015**, Weihenstephan-D: **Implementing Plant – Microbe Interaction in Plant Breeding**, proceedings are available online. A **working group** Plant-Microbe Interaction within the Section was formed, chaired by Monika Messmer (2018 taken over by Pierre Hohmann).
- **2018**, Witzenhausen-D: **Breeding for Diversification** 19-22 February.
- **2019**, Tulln, AT: 2nd EUCARPIA Workshop on Implementing Plant-Microbe Interactions in Plant Breeding
- **2021**, online-LV: **BREEDING AND SEED SECTOR INNOVATIONS FOR ORGANIC FOOD SYSTEMS, 8-10 March**

Section board

- **Prof. Edith Lammerts van Bueren/ WUR, the Netherlands (founder and chair 2007-2018)**
- **Dr. Monika Messmer/FiBL, Switzerland**
- **Prof. Gunter Backes/Uni Kassel-Witzenhausen**
- **Dr. Pierre Hohmann /FiBL, Switzerland**
- **Dr. Linda Legzdina/ AREI, Latvia (chair Feb.2018-March.2021)**
- **Prof. Pedro Mendes Moreira/ Instituto Politécnico de Coimbra, Portugal (chair from March 2021-...)**
- **New member invited**

ONLINE International Conference on BREEDING AND SEED SECTOR INNOVATIONS FOR ORGANIC FOOD SYSTEMS

by EUCARPIA

Section Organic and Low Input Agriculture
jointly with LIVESEED, BRESOV, ECOBREED,
FLPP projects and ECO-PB

Closing remarks

08-10 March 2021
online from Latvia



Monika Messmer (FiBL) monika.messmer@fibl.org



Ten Sessions covering broad aspects of seed and breeding innovations

- Exploring underutilized genetic resources
 - Breeding for diversity
 - Breeding for culinary and nutritional quality
 - Living soil – plant interactions
 - Organic production of high quality & healthy seed
 - Multi-actor & participatory approaches
 - Socio-economic analysis of seed systems
 - Market & consumers aspects
 - Regulatory & policy opportunities
 - Sustainability
- 49 Presentations: 9 key note speakers
 - 49 Posters with flash presentations
 - 4 Breakout session
 - 186 Participants of 30 countries
 - 57 potential publications for special issue of «Sustainability»

*Breeding and Seed Sector Innovations for Organic Food Systems
8 – 10 March, 2021*