

## Final Conference of the EU Horizon 2020 BRESOV project

**“The Improvement of the Broccoli, Snap Bean and Tomato organic farming by Exploiting their Biodiversity: the results of the H2020 BRESOV project”**

**Dioscuro Bay Palace Hotel  
Agrigento, 28-31 March 2023**

### 28 March 2023

**18.00 – 20.00 Welcome to Agrigento and registration**

**20.00 – 22.30 Social dinner (Hotel Foresteria Baglio della Luna)\***

### 29 March 2023

**09.00 – 10.30 Introductory session – Chair *Ferdinando Branca***

09.00 – 09.15 Branca Ferdinando, Di3A UNICT

*Introduction*

09.15 – 09.25 Mario D'Amico, Director of Di3A University of Catania

09.25 – 09.35 Antonio Ferrante, Director of the Italian Society for Horticultural Science (SOI)

09.35 – 09.45 Giorgio Matteucci, Director of the Institute of BioEconomy (IBE-CNR)

09.45 – 09.55 Luigi Vella, Agriculture and Forest Council of the Sicilian Region

09.55 – 10.05 Patrizia Pitton, DG AGRI's Unit for Organics

10.05 – 10.15 Daniele Manzella, Policy and Legal Specialist FAO

**10.15 – 10.30 coffee break**

**10.30 – 12.25 Broccoli crop group session (Chair *Peter Walley, UNILIV*)**

10.30 – 10.35 Peter Walley, UNILIV

*Introduction*

10.35 – 11.05 Charlotte Allender, University of Warwick, UK (keynote speech)

*Counting cabbages – exploring the conservation of Brassica genetic resources*

11.05 – 11.25 Peter Walley, UNILIV

*Genotyping of the Bresov Brassica core collection*

11.25 – 11.45 Ferdinando Branca, UNICT

*Phenotyping of the Brassica oleracea primary gene pool and innovative morphotypes*

11.45 – 12.05 Jaroslava Ovensa, VURV, So Young Yi, KNU and Xiaoguang Sheng, ZAAS

*Sources of resistance to biotic stresses useful for organic agriculture*

12.05 – 12.25 Peter Walley, UNILIV, and Simone Treccarichi, UNICT

*Sources of resistance to abiotic stresses useful for organic agriculture*

**12.25 -13.30 Lunch**

**13.30 – 13.33 Roberto Papa, UNIVPM**

*Introduction*

- 13.33 – 14.08 James R. Myers, Oregon State University, USA (keynote speech)  
*Issues in breeding snap beans for organic production*
- 14.08 – 14.22 Elena Bitocchi, UNIVPM  
*Snap bean genetic resources: a focus on evolution, genomic and agronomic diversity and identification of the genetic control of organic farming related traits*
- 14.22 – 14.31 Valerio Di Vittori, UNIVPM  
*Snap bean introgression lines: a selection experiment to identify useful alleles controlling adaptation to organic farming conditions*
- 14.31 – 14.45 Juan J. Ferreira, SERIDA  
*Phenotyping of a snap bean panel to select and develop lines adapted to organic farming*
- 14.45 – 14.54 Carmen García-Fernández, SERIDA  
*Use of the TUM RIL population to map important traits and obtain new snap bean lines to organic farming*
- 14.54 – 15.03 Creola Brezeanu, VRDS  
*Snap bean pre-breeding and breeding: evaluation and selection of best performing lines in Romania*
- 15.03 – 15.12 Béla Bartha, PSR  
*European snap bean varieties in test for the Swiss niche production*
- 15.12 – 15.21 Valérie Geffroy, INRAe  
*Phenotyping of a snap bean panel for anthracnose resistance and development of molecular markers to be used in MAS*
- 15.21 – 15.30 Xinyi Wu, ZAAS  
*Genome-wide association analysis reveals regions for pod size in common bean*

**15.30 – 15.50 coffee break**

**15.50 – 17.45 Tomato session (Chair Teodoro Cardi, CREA)**

- 15.50 – 15.55 Teodoro Cardi, CREA  
*Introduction*
- 15.55 – 16.30 Marie Brault, INRAe, FR (keynote speech)  
*Tomato genetic and genomic diversity in response to abiotic stress and limited nutrients - perspectives for breeding*
- 16.30 – 16.45 Pasquale Tripodi, CREA  
*Integrative genomic and phenomic approaches to exploit the potentiality of resilient tomato germplasm resources*
- 16.45 – 17.00 Jaime Prohens, UPV  
*Exploring tomato germplasm and breeding for organic conditions*
- 17.00 – 17.15 Rafael Lozano, UAL  
*Natural and induced allelic variants as a source of genomics tools in the framework of a tomato breeding programme*
- 17.15 – 17.30 Yunhua Ding, BAAFS  
*Tomato breeding for organic agriculture: progress at BAAFS*
- 17.30 – 17.45 Yuan Chen, ZAAS  
*Identification of Tomato Crown and Root Rot (FCRR) disease resisting gene *Frl* and its application in breeding*

**20.00 – 22.30 Dinner at Dioscuri Bay Palace Hotel\*\***

## 30 March 2023

### 09.00 – 10.35 Organic Farming session (Chair Joelle Herforth-Rahmé, FiBL)

09.00 – 09.05 Joelle Herforth-Rahmé, FiBL

*Introduction*

09.05 – 09.35 Stefano Canali, CREA AA, IT (keynote speech)

*The perspectives for agroecology and organic farming research in Europe*

09.35 – 09.55 Joelle Herforth-Rahmé, FiBL

*On-farm trials: evaluation of varieties of broccoli, bush beans and tomato for organic production*

09.55 – 10.15 Vittoria Catara, UNICT

*Seed treatments compatible with organic farming: main results in different crop-pathogen systems*

10.15 – 10.35 Amélie Detterbeck, EUROSEEDS

*Improving seed production for organic farming*

### 10.35 – 10.45 Coffee break

### 10.45 – 13.00 Organoleptic, Nutritive and Nutraceutical session (Chair Roberto Lo Scalzo, CREA)

10.45 – 10.50 Roberto Lo Scalzo, CREA

*Introduction*

10.45 – 11.20 Yves Desjardins, Laval University, CA (keynote speech)

11.20 – 11.40 Pasquale Tripodi, CREA-OF

*Metabolic profile of a tomato diversity panel in relation to nitrogen and water stress under organic farming conditions*

11.40 – 12.20 Valentina Picchi, CREA-IT

*Nutraceutical and organoleptic traits of different Brassica genotypes under organic farming system*

12.20 – 12.40 Giulia Bianchi, CREA-IT

*Diversity of volatile compounds profiles among Brassica genotypes grown under organic cropping systems*

12.40 – 13.00 Romina Beleggia, CREA-CI

*Variation of nutritional traits of snap bean genetic resources grown under organic farming conditions*

### 13.00 – 14.30 Lunch at Dioscuri

### 14.30 – 15.20 KER presentation

14.30 – 14.45 Peter Walley, UNILIV

*Genetic and phenotypic characterization of plant genetic resources (PGR) for Broccoli, snap bean and tomato including crop wild relatives and segregating populations.*

14.45 – 15.00 Jaime Prohens, UPV, Elena Bitocchi, UNIVPM

*Breeding material of broccoli, snap bean and tomato for the development of new resilient and improved organoleptic and nutritional quality organic cultivars*

15.00 – 15.20 Sarah Danan, VEGENOV

*Agronomical practices to increase the production of high-quality organic seed and advanced tools to control the sanitary quality of organic broccoli, snap bean and tomato seed lots.*

### 15.20 – 15.30 Coffee break

**15.30 – 17.00 Round table****“Vegetable Organic production in Europe and its perspectives” (Chair Amelie Detterbeck)**

For this round table, we invited experts of the whole value chain to discuss about their experiences in the organic vegetable sector, the bottlenecks they encounter in increasing the organic vegetable production in Europe and how the BRESOV project results can help in solving these challenges.

**Panellists:**

- Dr. Monika Messmer, Deputy leader of the Department of Crop Sciences Leader of the Group Plant Breeding FiBL Switzerland and LIVESEEDING project
- Patricia Pitton, representative of the European Commission, DG AGRI, Unit for Organics
- Marcel van Diemen, Manager breeding facilities and breeder at Vitalis Organic Seeds
- Dr. Joelle Herforth-Rahmé, researcher at the Department of Crop Sciences, FiBL Switzerland and BRESOV project
- Thor Gunnar Kofoed, Vice Chairman at Danish Agriculture and Food Council and Chair of the Seed working group at Copa-Cogeca
- Martin Koller, Manager at Innoplattform Bio
- Carlo Murer, Head of corporate social responsibility at NaturaSi
- On. Luca Sammartino, Councilor of the Agriculture and Forest Council of the Sicilian Region
- On. Annalisa Tardino, European Parliamentary, EU Committee on the Environment, Public Health, and Food Safety

**17.00 – 17.30 Conclusive Session****20.00 – 22.30 Dinner at Dioscuri Bay Palace Hotel\*\*****31 March 2023****09.30 – 11:00 Visit to Terre del Barone Farm (Gianofrio Pagliarulo, Terre del Barone)**

Visit to the “Terre del Barone” organic farm: focus on participatory organic breeding and farming of vegetable crops populations (Valley of Temples)

**11:30 – 13:00 Visit to the Garden of Kolymbethra**

The Greek agroecological approach of the Garden of Kolymbethra (Valley of the Temples)

**13.00 – 14.00 Lunch at Dioscuri Bay Palace Hotel\*\*****14:00 – 16.30 Return to Catania**

A free bus service is available to Catania (via Valdisavoia 5), leaving from the Dioscuri Bay Palace Hotel at 14.00 (2 hours) – the bus will stop also at Catania Airport

***For the Final BRESOV Conference (28-31 March 2023) the Organizing Secretariat has activated an agreement with:***

***Dioscuri Bay Palace Hotel, Via Lungomare Falcone Borsellino, 1 – 92100 Agrigento  
Tel. 0039 0922 406111 – [info@dioscurihotel.it](mailto:info@dioscurihotel.it) – [www.dioscurihotel.it](http://www.dioscurihotel.it)***

*Camera Double standard (students).*  
*€ 56,00, per person per night (half board)*

*Single room supplement*  
*€ 30,00, per room per night (half board)*

*3rd and 4th bed reduction 20%*

*tourist tax to be paid locally 3 euros per night*

*please book via email by 7<sup>th</sup> March 2023 under these conditions with the code "BRESOV2023"*

*\* the social dinner will be held at Hotel Foresteria Baglio della Luna (with a free bus service from Dioscuri Bay Palace Hotel) at 35 euro per person; 15 euro per person will be sponsored by the University of Catania, the 20 euros will be at own expense*

**Please indicate to [bresovunict@gmail.com](mailto:bresovunict@gmail.com) whether you would like to join the social dinner**

*\*\* for the guests at Dioscuri Bay Palace Hotel paying 3 nights, the half board will comprise the dinner of 29<sup>th</sup>, the dinner of 30<sup>th</sup> and the lunch of 31<sup>st</sup>*

**For any information contact the Organising Secretariat: [bresovunict@gmail.com](mailto:bresovunict@gmail.com)**