

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”

**Dioscuri 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 genepool 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 – 15.30 Snap bean crop group session (Chair Roberto Papa, UNIVPM)

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 Amelie 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 – 17.30 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
- Patrizia 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, Advisor at Innoplattform Bio
- Carlo Murer, Head of corporate social responsibility at NaturaSi
- Silvia Piconcelli, Representative of the Forestation and territory sector at Confagricoltura
- 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

17.30 – 18.00 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



Università
di Catania



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 – 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 7th 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 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 29th, the dinner of 30th and the lunch of 31st*

For any information contact the Organising Secretariat: bresovunict@gmail.com



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