

15 May 2023



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CerealMed International Conference

Enhancing diversity in Mediterranean cereal farming systems



Bari – Italy

15 May 2023

Aula Magna 'Cossu'
Palazzo Ateneo
Piazza Umberto I, Bari

CerealMed International Conference

Enhancing diversity in Mediterranean cereal farming systems



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS



جامعة الحسن الأول
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International Conference CerealMed

Bari – Italy, 15 May 2023



The University of Bari Aldo Moro, CREA-Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (CREA-GB and CREA-CI) and University of Bologna are organizing an International conference for all researchers and operators in the cereal sector with the aim of disseminating the scientific results obtained in the CerealMed international project.

The event is patronised by SIGA – Società Italiana di Genetica Agraria, and ODAF – Bari, Ordine dei Dottori Agronomi e dei Dottori Forestali of Bari.

CerealMed "Enhancing diversity in Mediterranean cereal farming systems" is a PRIMA international project which involves eleven Mediterranean institutions, Italy, Egypt, Spain, Greece, Morocco, Lebanon and Turkey, with the aim of the enhancement of the biodiversity in cereals and legumes, and the resilience to stress, with sustainable agronomic techniques.

A large collection of wheats, including ancient and modern varieties, was evaluated to identify genes for the improvement of nutritional quality, disease resistance and adaptation to climate change. Sustainable agricultural practices, such as intercropping with legumes, have been used to improve production stability by avoiding the use of synthetic fertilizers and to obtain healthier food products. The results of the project will be able to give added value to farmers and companies in the seed sector, thanks to the rediscovery and cultivation of precious germplasm of wheat, lentils and chickpeas, selected for their adaptation to the climatic context.

How to participate

The conference will take place in the Aula Magna 'Cossu', Palazzo Ateneo, Piazza Umberto I, Bari (Italy) on 15 May 2023 in presence.

Participation at the conference is free upon registration, which must be sent to the email at annamaria.mastrangelo@crea.gov.it by 15th April 2023 by inserting "CerealMed Conference Registration" as the subject.

It is possible to request online participation by specifying "online participation" in the email at the time of registration. Subscribers will then receive the link to connect to the event.

International Conference CerealMed

Bari – Italy, 15 May 2023



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Sharif El-Areed
BSU - Egypt



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Agenda – May^{15th} 2023 - Morning

9:00-9:15 Opening ceremony

Welcome address by CerealMed Coordinator, Agata Gadaleta, and Institutional Authorities: Deputy Rector University of Bari, Grazia Paola Nicchia, Department of Soil, Plant and Food Sciences, Maria De Angelis, and ODAF-BARI President

9:15-11:00 Session 1

Chairs: Agata Gadaleta, Elisabetta Mazzucotelli

9:15-9:30 *Ali Rhouma*

PRIMA Project Reporting and Continuation

9:30-10:00 **Invited Lecture**

Luigi Cattivelli

Strategies for improving durum wheat in a climatic change scenario

10:00-10:15 *Elisabetta Mazzucotelli*

Marker-trait associations of agronomic traits from the CerealMed durum wheat panel as assessed in multi-environment trials under conservative agriculture

10:15-10:30 *Daniela Marone*

Common and durum wheat genetic materials for studying grain quality and sustainability traits

10:30-10:45 *Cristina Rodríguez Suárez*

Diversity for carotenoid content in a hexaploid wheat diversity panel

10:45-11:00 *Ilaria Marcotuli*

Genetic diversity: a source to improve durum wheat quality

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11:00-11:30 Coffee break

11:30-13:00 Session 2

Chairs Anna Maria Mastrangelo, Ilaria Marcotuli

11:30-11:45 Omar Idrissi

Investigation of genetic variability on wheat, lentil and chickpea collections under no-till system: towards better understanding of genotype effect for conservation agriculture

11:45-12:00 Aziz Baidani

Investigation of genetic variability for grain quality of wheat, lentil and chickpea under no-till system

12:15-12:30 Jad Novi

Loci for resistance and partial resistance to Yellow rust in the Mediterranean region and development of diagnostic molecular markers

12:00-12:15 Hakan Ozkan

Turkish durum wheat harbors unexplored genetic diversity

12:30-12:45 Matteo Bozzoli

Survey of a sequenced *Aegilops tauschii* collection for identification of Root Growth Angle genetic determinants as a proxy to increase drought resilience in synthetic wheat

12:45-13:00 Armin Shahpari

Rhizospheric and endophytic microbial colonization in a wide range of Triticeae in Mediterranean fields

13:00-15:00 Lunch

15:00-17:00 Session 3

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Chairs Marco Maccaferri, Omar Idrissi

15:00-15:15 *Anna Maria Mastrangelo*

Different approaches to study the root-soil microbiome system in durum wheat

15:15-15:30 *Sharif El-Areed*

Activities of CerealMed Project in Egypt

15:30-15:45 *Apostolis Koutinas*

Sustainability assessment of bio-based chemicals and polymers using agricultural residues

15:45-16:00 *Ricardo Rebolledo*

Cereal-legume rotation systems and the value of cereal biomass for biorefineries: An environmental life-cycle perspective

16:00-16:15 *Sara Lago*

Environmental effects of growing wheat in rotation with legumes in the Mediterranean context. A life Cycle Assessment Approach

16:15-16:30 *Luigi Roselli*

Focus on the research project Horizon Europe Seeds: "Innovazioni tecnologiche e organizzative per la transizione agroecologica dei sistemi agroalimentari locali verso un modello di economia circolare e solidale - InnoAgroECoS"

16:30-17:30 Chair: Nicola Pecchioni

Round table on CerealMed project and closing remarks

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