



Agencia nazionale per le nuove tecnologie,
l'energia e lo sviluppo economico sostenibile



*Ministero degli Affari Esteri
e della Cooperazione Internazionale*



Consiglio per la ricerca in agricoltura
e l'analisi dell'economia agraria

CREA-ENEA-Israel Workshop

WORKING TOGETHER FOR SUSTAINABLE AGRO FOOD SYSTEMS

7-8 MARCH 2019

MARCH 7

CREA FOOD & NUTRITION RESEARCH CENTRE

SESSION 1: SUSTAINABLE WATER MANAGEMENT IN SEMI ARID CONDITIONS

Transfer from Hotel to CREA facilities

9.30 Participants registration and welcome coffee

10.00 Welcome and Opening Addresses

Min. Plen. Fabrizio Nicoletti, Ministry of Foreign Affairs and International Cooperation

Amb. Ofer Sachs, Israeli Embassy in Rome

Dr Salvatore Parlato, CREA President

Prof Federico Testa, ENEA President

Moderators: Dr. Elisabetta LUPOTTO, CREA – Dr. Massimo IANNETTA, ENEA

10.30 Agronomic progresses in dry farming systems

Marcello MASTRORILLI, CREA

10.50 Advanced technologies for Water management

Jhonathan EPHRATH, Ben-Gurion University of the Negev, ISRAEL

11.10 Development and diffusion of integrated water and energy technologies for sustainable food productions

Nicola COLONNA, ENEA

11.30 Genes of interest for stress tolerance

Patrizia GALEFFI, ENEA

11.50 What sustainable viticulture for the next millennium

Riccardo VELASCO, CREA

12.10 Can stress serve as beneficial force in viticulture under warm and warming environments? Tube to field lessons related to the bud dormancy cycle
Etti OR, Volcani Center, ISRAEL

12:30 Epigenetic mechanisms and adaptation in drought stressed maize plants

Vincenzo ROSSI, CREA

12.50 Lessening epigenetic constraints as a means for stress tolerance: a lesson from the desert plant *Zygophyllum dumosum* Boiss

Gideon GRAFI, Ben-Gurion University of the Negev, ISRAEL



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13.10 Networking Lunch

MARCH 7

SESSION 2: RESEARCH INFRASTRUCTURES

Moderator: Stefano VENTURA, Scientific Attaché, Italian Embassy in Tel Aviv

**14.30 Metrofood - Infrastructure for promoting metrology in food and nutrition
Claudia ZOANI, ENEA**

**14.50 The CREA Partnership in METROFOOD-RI and links with the EuroFIR Network
Aida TURRINI, CREA**

**15.10 The CNR Partnership in METROFOOD-RI
Andrea SCALONI, CNR**

**15.30 New results on doubling the shelf life of produce by packaging them in
polyethylene coated with edible nanoparticles
Aharon GEDANKEN, Department of Chemistry - Bar-Ilan University, ISRAEL**

**15.50 Microbiological aspects of food safety
Annamaria BEVIVINO, ENEA**

**16.10 The AnaEE Infrastructure: the Data and Modelling Centre
Marcello DONATELLI, CREA**

**16.30 The AnaEE Infrastructure: Challenges of climate change experiments along
climatic gradients
Marcelo STERNBERG, Tel Aviv University, ISRAEL**

**16.50 Discussion on main fields for bilateral cooperation
Elisabetta LUPOTTO (CREA), Massimo IANNETTA (ENEA), Moshe Ben-Sasson
(MOST, IL)**

17.10 Visit to the facilities of CREA Food & Nutrition Research Centre

17:30 End of Day 1

Transfer from CREA to Hotel

Dinner at kosher restaurant for invited speakers



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MARCH 8

ENEA - C.R. CASACCIA - BLUE ROOM

SESSION 3: USE OF ADVANCED TECHNOLOGIES FOR GERMOPLASM ENHANCEMENT

Transportation: from Hotel to ENEA Casaccia

9.30 ENEA Welcome and Introduction Address

Moderators: Dr. Elisabetta LUPOTTO, CREA – Dr. Massimo IANNETTA, ENEA

10.00 Durum wheat genome reveals past domestication signatures and future improvement targets

Luigi CATTIVELLI, CREA

10.20 The origin of wheat in light of haplotype analyses of the Brittle rachis 1 genes

Assaf DISTEFELD, Tel Aviv University, ISRAEL

10.40 Genetic improvement of tomato fruit quality attributes

Gianfranco DIRETTO, ENEA

11.00 Creating new tomato varieties with high-value carotenoids through transgenics and non-GMO approaches

Joseph Hirschberg The Hebrew University of Jerusalem Israel

11.20 Germplasm exploitation for citrus genetic improvement

Marco CARUSO, CREA

11.40 Rootstock/Scion Interaction - The effects of scion on rootstock performances

Eran RAVEH, Volcani Center, ISRAEL

12.00 Giovanni GIULIANO, ENEA

The G2P-SOL project: harnessing the genetic and phenotypic diversity of the four major Solanaceous crops

12.20 Discussion on main fields for bilateral cooperation and Conclusions

**Massimo IANNETTA (ENEA), Alessandra GENTILE (CREA Vice-President),
Moshe Ben-Sasson (MOST, IL)**

13.00 Visit to ENEA facilities

13.30 Networking Lunch

15.00 Transfer to Hotel