



CREA-ENEA-Israel Workshop
WORKING TOGETHER FOR SUSTAINABLE AGRI-FOOD SYSTEMS
7-8 MARCH 2019

MARCH 7
CREA FOOD & NUTRITION RESEARCH CENTRE

8.00 *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

Prof Federico Testa, ENEA President

Prof Alessandra Gentile, CREA Vice-President

Dr Moshe Ben-Sasson, Director for Environment and Agricultural Research, MOST

SESSION 1: SUSTAINABLE WATER MANAGEMENT IN SEMI ARID CONDITIONS

Moderators: Elisabetta LUPOTTO (CREA) – 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

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)

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

17:30 *Transfer from CREA to Hotel*

20.00 *Dinner at kosher restaurant for invited speakers*



MARCH 8
ENEA - C.R. CASACCIA - BLUE ROOM
SESSION 3: USE OF ADVANCED TECHNOLOGIES FOR GERMOPLASM ENHANCEMENT

8.00 *Transportation: from Hotel to ENEA Casaccia*

9.30 ***ENEA Welcome and Introduction Address***

Moderators: Massimo IANNETTA (ENEA) - Elisabetta LUPOTTO (CREA)

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

Giovanni GIULIANO, ENEA

12.20 ***Discussion on main fields for bilateral cooperation and Conclusions***

Alessandra GENTILE (CREA Vice-President) - Massimo IANNETTA (ENEA)

13.00 *Visit to ENEA facilities*

13.30 *Networking Lunch*

15.00 *Transfer to Hotel*