

AQUAE
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Fondazione
Umberto Veronesi
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Water, Food Security and Environmental Sustainability

5 - 6 - 7 May 2015, Venice Italy

Tuesday 5 May 2015

16:00 – 18:00

Opening of the Scientific Sessions

Chiara Tonelli

Professor, Department of BioSciences, Università degli Studi di Milano (IT)

Gabriella Chiellino

Presidente eAmbiente Group

Michela Miletto

Coordinator WWAP World Water Assessment Programme UNESCO

Carlo Carraro

Director International Center for Climate Governance (ICCG) Fondazione Eni Enrico Mattei

Barbara Degani

Undersecretary Ministry of the Environment (to be confirmed)

Ermete Realacci

President Fondazione SYmbola

Wednesday 6 May 2015

Morning Session 9:30 – 13:00

Addressing Food Security from Multiple Perspectives

Chair: Roberto Tuberosa

Professor, Department of Agronomy, Università degli Studi di Bologna (IT)

Introduction to the theme

Chiara Tonelli

Professor, Department of BioSciences, Università degli Studi di Milano (IT)

Feeding a world of 9 billion people – opportunities and challenges

Prabhu Pingali

Professor & Director, Tata-Cornell Agriculture & Nutrition Initiative, Cornell University (US)

The high value to society of highly productive and innovative agriculture

Harald von Witzke

Professor and Chair for International Agricultural Trade and Development, Humboldt - Universität zu Berlin (DE)

Genomics assisted breeding for increased yield: tomato as a model

Dani Zamir

Professor, Faculty of Agriculture, The Hebrew University of Jerusalem (IL)

Understanding plant developmental reprogramming under drought stress: what can we learn from a weed?

Lucio Conti

Researcher, Department of Biosciences, Università degli Studi di Milano (IT)

Unlocking seawater. The role of salt tolerant crops for food security

Mark Tester

Associate Director, Center for Desert Agriculture, King Abdullah University of Science and Technology (SA)

Afternoon Session 14:30 – 17:00

Genes Behind Water-Related Traits

Chair: Fiorella Lo Schiavo

Professor, Department of Biology, Università degli Studi di Padova (IT)

Tuning crop water consumption using genetics and chemistry

Sean Cutler

Associate Professor of Plant Cell Biology, University of California Riverside (US)

Roots: the hidden half of plant adaptive responses to water stress

Malcolm Bennett

Professor of Plant Sciences, University of Nottingham (UK)

Genetic variability of plant responses to environmental conditions, from phenotyping to modelling

François Tardieu

Research Director Ecophysiology Laboratory of Plants under Environmental Stress, INRA Montpellier (FR)

Waterproofing crops

Julia Bailey-Serres

Director, Center for Plant Cell Biology, University of California Riverside (US)

Thursday 7 May 2015

Morning Session 9:30 – 13:00

GMO and new technologies to boost growth in plants

Chair: Fabio Fornara

Professor, Department of Biosciences, Università degli Studi di Milano (IT)

Molecular breeding for better and resilient crops: successes and challenges

Sigrid Heuer

Associate Professor, Australian Centre for Plant Functional Genomics ACPFG (AU)

Addressing Food Security Through Nutritional Enhancement of Food

Cathie Martin

Professor, Department of Metabolic Biology, John Innes Center, Norwich (UK)

Developing 'climate-smart' crops with a smaller foot print towards greater Food-security Ensuring their societal acceptance

Channapatna Prakash

Professor of plant genetics, biotechnology and genomics, Tuskegee University (US)

Mutation breeding and future applications

Arjen van Tunen

Director, CEO KeyGene (NL)

Next generation breeding in the next generation sequencing era

Michele Morgante

Professor of Genetics, Department of Agricultural and Environmental Sciences, Università di Udine (IT)

Boosting crop yield under stress: releasing the brakes on growth

Ari Sadanandom

Professor, School of Biological and Biomedical Sciences, Durham University (UK)

Afternoon Session 14:30 – 17:00

GMO and new technologies applied to agriculture

Introduction to the theme

Roberto Defez

Researcher, Institute of Biosciences and Bioresources CNR, Napoli (IT)

Panel discussion

Roberto Defez

Gianluca Della Libera Associazione Agricoltori Futuragra (*invited*)

Oscar Farinetti (*invited*)

Luca Motta Coldiretti Veneto (*invited*)

Deborah Piovan Confagricoltura

Oliviero Toscani (*invited*)

Speaker tbd Confederazione Italiana Agricoltori Veneto