



3rd International Forum on Food and Nutrition

Milan, Università Bocconi

November 30 – December 1, 2011

Program

As of November 14, 2011

Wednesday, November 30, 2011

WORKSHOP

ROOM A

9:00 – 10:45 **Welcome remarks**
Luca Virginio

GMOs AND BIOTECHNOLOGIES IN DIFFERENT GEOGRAPHICAL CONTEXTS

Climate change, progressive reduction in farmland, the water crisis, population growth, food security and the quality of food products are all problems that require innovation. Improving land yields is not enough.

Among the various forms of innovation, that based on genetics continues to play a central role, but it cannot be seen as the only – or even the most sustainable – response. The significant doubts that have triggered debate around biotechnologies have been guided, in large part, by the conviction that GMOs are the result and confirmation of a farming model characterized by intensive, single-crop cultivation which is strongly dependent on fertilizers and chemical herbicides.

However, the biotechnologies sector is anything but homogeneous and offers at least two macro-areas: transgenic GMOs and biotechnologies applied to traditional techniques. While with the former the orientation has been towards the development of new seed varieties to be used on a global level, in the future the goal will be, above all, to find specific solutions for a range of local contexts. As a result, the answers must be sought in other – lesser-debated – forms of genetics which, by their very nature, are better suited to traditional farming methods that have been specifically modified in terms of current-day knowledge.

Chairman:

Camillo Ricordi – Professor of Surgery, Medicine, Biomedical Engineering, Microbiology and Immunology at the University of Miami, USA; member of the Barilla Center for Food and Nutrition Advisory Board

Monty P. Jones – Executive Director, FARA – Forum for Agricultural Research in Africa

Benedikt Haerlin – Director, Foundation on Future Farming, Berlin; Coordinator, , “Save Our Seeds”, Germany

Vandana Shiva – Founder, Navdanya; Founder and Director, Research Foundation for Science, Technology and Natural Resource Policy, India

Debate

10:45 – 11:15 Break

Wednesday, November 30, 2011

WORKSHOP

ROOM B

9:00 – 10:45 **Welcome remarks**
Valerio De Molli

WATER ECONOMY: WATER EMERGENCY

Our planet has available overall about 1.4 billion km³ of water, of which only 0.001% is actually available for use by man.

The current demand for water – already very high – is destined to continue to grow in the future (by 2025 it is estimated that there will have been an increase of 50% in developing countries and 18% in developed ones) due to population growth and the need to guarantee its access to all, especially those in the south of the globe who still today suffer from lack of water. In the near future, greater demand for water and a parallel reduction in water supplies could cause an explosion in the value of water and, as a result, the need to re-evaluate the baseline criteria on which production and commerce policies are evaluated.

Chairman:

Barbara Buchner – Director, Climate Policy Initiative, Venice; member of the Barilla Center for Food and Nutrition Advisory Board

Stella Thomas – Founder and Executive Director of the Global Water Fund, USA

Luc Gnacadja – Executive Secretary of the United Nations Convention to Combat Desertification (UNCCD)

Mahmoud Solh – Director General, International Center for Agricultural Research in the Dry Areas (ICARDA), Syria

Amir Peleg – Founder and CEO, TaKaDu, Israel

Monica Frassoni – President, European Green Party

Debate

10:45 – 11:15 Break

Wednesday, November 30, 2011

WORKSHOP

ROOM A

11:15 – 13:00 **GEOAGRICULTURE: TOWARDS GLOBAL AGRICULTURAL POLICIES**

Increase in the world population, climate change and growing scarcity of resources: on a global scale, agrifood supply chains have been experiencing considerable difficulty in recent years, and this picture could become even more serious. Therefore, it is fundamental that a vision of the future of this sector be designed so that it can contribute to feeding the growing number of the world's inhabitants within a context of environmental sustainability, while evaluating which governance system and political tools and policies are required for this.

Chairman:

Mario Monti – President, Università Bocconi; member of the Barilla Center for Food and Nutrition Advisory Board

John M. Reilly – Co-Director of the Joint Program on the Science and Policy of Global Change Center for Environmental Policy Research, MIT Sloan Management, USA; member of the Barilla Center for Food and Nutrition Advisory Board

Danielle Nierenberg – Senior Researcher and Co-Project Director of State of World 2011, Worldwatch Institute, USA

Hans Herren – President, Millenium Institute, USA

Franz Fischler – Chairman, RISE Foundation (Rural Investment Support for Europe), Austria

Debate

13:00 – 14:30 Break

Wednesday, November 30, 2011

WORKSHOP

ROOM B

11:15 – 13:00

FOOD AND NUTRITION: FOOD WASTE AND COMPARISON OF FOOD POLICIES

Each year, chronic diseases (obesity, diabetes, heart disease and cancer) cause nearly 35 million deaths, 60% of deaths on a global level and 80% of those in low- and medium-income countries.

The impact of food choices on health is clear. Given that they are responsible for such phenomena as the explosion in obesity and resulting increase in heart disease, cancer and diabetes, bad eating habits not only impact on the well-being of individuals, but also the sustainability of health care and welfare systems.

A further factor that is emerging on a world level is tied to food waste. Across the globe, one-third of the food produced for alimentary purposes – a total of 1.3 billion tons per year – is lost or wasted. This phenomenon not only impacts on food security in poorer countries, but also on economic development and environmental sustainability on a global level.

Chairman:

Umberto Veronesi – Scientific Director, Istituto Europeo di Oncologia - IEO; member of the Barilla Center for Food and Nutrition Advisory Board

Paola Testori-Coggi – Director General, Health and Consumer Protection, European Commission

Eduardo Missoni – Professor of Global Health and Development, Università Bocconi, Italy

Jonathan Bloom – Journalist and Food Waste expert, USA

Debate

13:00 – 14:30

Break

Wednesday, November 30, 2011

PLENARY SESSION

14.30 – 17.00 **WELCOMING REMARKS**

Chairman: **Alex Thomson** – Anchor and Correspondent, Channel 4 News

Guido Barilla – President, Barilla Center for Food and Nutrition

Mario Monti – President, Università Bocconi; member of the Barilla Center for Food and Nutrition Advisory Board

Umberto Veronesi – Scientific Director, Istituto Europeo di Oncologia - IEO; member of the Barilla Center for Food and Nutrition Advisory Board

Amir Mahmoud Abdulla – Deputy Executive Director and Chief Operating Officer, World Food Programme

ONE YEAR OF BCFN: ACTIVITIES AND KEY FINDINGS

Valerio De Molli – Managing Partner, The European House-Ambrosetti

Speech by:

Jamais Cascio – Futurist, writer, expert on emerging technologies and environmental dilemmas, USA

THE FUTURE OF FOOD SECURITY AND TOMORROW'S CHALLENGES: LIFESTYLES AND STRUCTURE OF THE AGRI-FOOD SYSTEM

It is estimated that by 2050, the world population will reach 9 billion people. Their diets will probably be more demanding and climate change could render agricultural production more unstable. Access to food is currently precarious for about one billion people and food security must be pursued more tenaciously on both a national and international level. The taking on of shared responsibility between individuals and the private and public sectors could result in progressive attainment of the goal of completely feeding all of humanity, while guaranteeing environmental, social and public health sustainability.

Chairman: **Alex Thomson** – Anchor and Correspondent, Channel 4 News

Claude Fischler – Director of Research, CNRS; Director, Centre Edgar Morin, France; member of the Barilla Center for Food and Nutrition Advisory Board

Lucio Caracciolo – Direttore, LIMES

Ellen Gustafson – Co-Founder, FEED Projects; Founder and Executive Director, 30 Project, USA

David Lehman – Managing Director, Commodity Research and Product Development of CME Group (Chicago Mercantile Exchange Group), USA

Dominick Salvatore – Distinguished Professor of Economics, Fordham University NY, USA

Speech by:

Vandana Shiva – Founder, Navdanya; Founder and Director, Research Foundation for Science, Technology and Natural Resource Policy, India

17.00 – 17.30 Break

17.30 – 18.45 **THE FUTURE CHALLENGES FOR THE AGRI-FOOD CHAIN TOWARDS SUSTAINABLE AGRICULTURAL MODELS**

Chairman: **Alex Thomson** – Anchor and Correspondent, Channel 4 News

Speech by:

Carlo Petrini – President and Founder, Slow Food Movement

PRESENTATION OF THE BCFN SCIENTIFIC REPORT “THE FUTURE OF AGRICULTURE: TOWARDS SUSTAINABLE AGRICULTURAL PARADIGMS”

Hans Herren – President, Millennium Institute, USA

ROUND TABLE:

Guido Barilla – President, Barilla Center for Food and Nutrition

Sergio Marini – President, Coldiretti

Ralph Z. Sorenson – Director, Whole Foods Market, USA

Carlo Petrini – President and Founder, Slow Food Movement

Concluding remarks by:

Paolo De Castro – Chairman, Commission on Agriculture and Rural Development, European Parliament

Thursday, December 1, 2011

PLENARY SESSION

9.00 – 10.45 **THE PARADOXES OF GLOBALIZATION: CHILDHOOD MALNUTRITION AND OBESITY**

Food scarcity is a problem afflicting many developing countries and each year it is the cause of death of millions of people, especially children, due to malnutrition. In its different forms, maternal and child malnutrition is a contributory cause of 3.5 million deaths each year. It is associated with 35% of deaths among children under the age of five and represents 11% of the total impact from disease (in terms of world DALYs - Disability-adjusted life years). Malnutrition is thus the main risk factor of maternal mortality and morbidity, and malnutrition also plays a significant role in more than half of child deaths.

In developing countries, about 200 million children under the age of five (one in three) suffer from some form of malnutrition. In these countries, 26% (one in four) of children aged 0-5 are underweight due to acute malnutrition and 10% of them suffer from severe wasting. Severely underweight children are 9 times more likely to die than those who are well-nourished. These figures are even more dramatic if seen in comparison with the 155 million overweight and obese children.

Chairman: **Alex Thomson** – Anchor and Correspondent, Channel 4 News

Gabriele Riccardi – Professor of Endocrinology and Metabolic Diseases, University of Naples “Federico II”; President, Italian Society of Diabetology (SID); member of the Barilla Center for Food and Nutrition Advisory Board

Philip James – President, International Obesity Task Force; President, International Association for the Study of Obesity (IASO), UK

Ricardo Uauy – Professor of Public Health Nutrition, London School of Hygiene & Tropical Medicine, Chile

Paola Testori-Coggi – Director General, Health and Consumer Protection, European Commission

Vincenzo Spadafora – President, UNICEF Italia

Speech by:

Rajen Anand – Executive Director, USDA Center for Nutrition Policy and Promotion

10.45 – 11.15 Break

11.15 – 13.00 **BCFN INDEX: TOWARD A “SUSTAINABLE WELL-BEING”**

Increasing attempts are being made to define indicators that can capture the full spectrum of factors that determine the well-being of people and nations and go beyond the limitations of Gross Domestic Product (GDP).

Numerous research centers and public and private think tanks have already taken up this task and are attempting to construct a number of well-being indicators capable of measuring social and economic development by using indicators that are very different (happiness, state of health of the population, individual freedom, efficiency of the P.A., level of instruction, etc.). Within this context, the BCFN initiated some time ago a process of analysis and reflection regarding the relevance of a number of specific measures of well-being, including food and lifestyle, opening the way to discussion with leading institutional bodies.

Chairman: **Alex Thomson** – Anchor and Correspondent, Channel 4 News

Jean-Paul Fitoussi – President, Observatoire Français des Conjonctures Economiques, France

Enrico Giovannini – President, ISTAT

Antonio Marzano – President, CNEL

Nic Marks – Fellow and Founder of the Centre for Well-being, New Economic Foundation, UK

13.00 – 14.30 Break

Thursday, December 1, 2011

WORKSHOP

ROOM A

14:30 – 16:15 **THE BCFN NUTRITIONAL AND ENVIRONMENTAL PYRAMID**

Our lifestyles have a growing impact on the environmental equilibrium of our planet. In the food sector, in particular, less-sustainable models of consumption continue to emerge. Considering that farming activity is responsible for producing 33% of the world's annual greenhouse gas emissions and absorbs approximately 70% of the water resources utilized by man, it is clear that we must re-examine our diet while also taking into consideration the ecological footprint of foods. From this perspective, the comparison of the traditional Food Pyramid of nutritional values with the new Environmental Pyramid in which every food is placed in terms of its impact on the planet, has made it clear that the foods which are recommended to be eaten more frequently are also those less harmful from an ecological standpoint.

Chairman:

John M. Reilly – Co-Director of the Joint Program on the Science and Policy of Global Change Center for Environmental Policy Research, MIT Sloan Management, USA; member of the Barilla Center for Food and Nutrition Advisory Board

Eileen Kennedy – Dean, Friedman School of Nutrition Science and Policy; former Executive Director, USDA Center for Nutrition Policy and Promotion under Clinton Administration, USA

Vaclav Smil – Distinguished Professor, Faculty of Environment, University of Manitoba, Winnipeg, Canada

Kenneth Cook – Co-founder and President, Environmental Working Group (EWG), USA

Debate

16:15 – 16:45 Break

Thursday, December 1, 2011

WORKSHOP

ROOM B

14:30 – 16:15 **THE IMPORTANCE OF A HEALTHY DIET DURING CHILDHOOD**

A healthy diet and adoption of proper lifestyles allow the child and adolescent to develop properly, both physically and mentally, and be healthy. Scientific research is currently making great strides in this area. In particular, recent studies have shown the existence of a relationship between eating habits adopted during childhood and adolescence and chronic diseases contracted in adulthood.

In addition, it should be noted that a correct process of growth and development tied to a healthy diet provides the basis for maintaining good health following the growth years.

Chairman:

Claudio Maffeis – Professor of Pediatrics, Verona University, Italy

Marion Nestle – Paulette Goddard Professor in the Department of Nutrition, Food Studies and Public Health, New York University; author of “Food Politics”, USA

Robert Lustig – Professor of Clinical Pediatrics, University of California at San Francisco; Director, Weight Assessment for Teen and Child Health – WATCH Program at UCSF, USA

Aviva Must – Morton A. Madoff Professor and Chair of Public Health and Community Medicine, Tufts University School of Medicine, USA

Vincenzo Spadafora – President, UNICEF Italia

Debate

16:15 – 16:45 Break

Thursday, December 1, 2011

WORKSHOP

ROOM A

16:45 – 18:30 **LONGEVITY AND WELL-BEING: THE ROLE OF NUTRITION**

The world population is aging and it does not seem that this trend will change. In Europe today, the percentage of people over the age of 65 is 16.3% and is expected to exceed 27% in 2050, and similar trends can be seen in other continents.

While man's life expectancy continues to lengthen, the question has begun to be posed about what determines longevity characterized by good physical and mental health.

Studies in this area indicate that following a balanced diet and healthy lifestyle can significantly increase people's average life span.

Chairman:

Gabriele Riccardi - Professor of Endocrinology and Metabolic Diseases, University of Naples "Federico II"; President, Italian Society of Diabetology (SID); member of the Barilla Center for Food and Nutrition Advisory Board

Umberto Veronesi – Scientific Director, Istituto Europeo di Oncologia; member of the Barilla Center for Food and Nutrition Advisory Board

Pier Giuseppe Pelicci – Co-Scientific Director, Istituto Europeo di Oncologia

Alexandre Kalache – President, International Longevity Centre, Brazil; former Director of the Ageing and Life Course Program, World Health Organization

Sergio Pecorelli – Italian representative in the High Level Steering Group on the Pilot European Innovation Partnership on Active and Healthy Ageing, European Union; Chairman, Agenzia Italiana del Farmaco - AIFA, Italy

Ross Macmillan – Professor of Policy Analysis and Public Management, Università Bocconi

Debate

Thursday, December 1, 2011

WORKSHOP

ROOM B

16:45 – 18:30 **MEDITERRANEAN CULTURE: LIFESTYLE AS A NECESSARY CONTEXT TO EATING STYLE**

The Mediterranean culture – recently also recognized by UNESCO which awarded the Mediterranean Diet “intangible world heritage” status – represents a way of living and eating that is rich and subsumes a large, differentiated geographical area. The Mediterranean approach to eating could be a potential road to a different future for diet from the standpoint of re-evaluating and transmitting extraordinary knowledge and potential for the overall well-being of individuals.

Chairman:

Claude Fischler – Director of Research, CNRS; Director, Centre Edgar Morin, France; member of the Barilla Center for Food and Nutrition Advisory Board

Ken Albala – Professor of Food History, University of the Pacific, USA

Michael Heasman – Writer and researcher on food business and food policy; Visiting Research Fellow at the Centre for Food Policy, City University of London, UK

Rita El Khayat – Psychiatrist, anthro-psychoanalyst, writer and anthropologist, Morocco

Debate