



New challenges and cross-cutting issues in agricultural and rural planning

Organizers: Elisabetta Carfagna – Department of Statistical Sciences – Alma Mater Studiorum University of Bologna
Patrizia Tassinari – Department of Agrarian Sciences – Alma Mater Studiorum University of Bologna

14:30 Welcome – Ivano Dionigi – Rector of Alma Mater Studiorum University of Bologna (UNIBO)

14:45 Opening – Luca Sani – Chair of the Agriculture Committee of the Italian Chamber of Deputies

First session

New challenges in agricultural and rural land management and planning

Chair: Luca Sani – Chair of the Agriculture Committee of the Italian Chamber of Deputies

15:00 Bas Pedrolí – Uniscap Director – Wageningen University

A roadmap for future land use management in Europe: the VOLANTE project

15:20 Patrizia Tassinari – Full Professor of Rural Construction and Environmental Land Management, *University of Bologna* and Daniele Torreggiani – *University of Bologna*

Improving knowledge to make better decisions in rural planning, focus on efficiency and accuracy

15:40 Giorgio Provolo – Full Professor of Rural Construction and Environmental Land Management, *University of Milan*
Environmental sustainability of intensive livestock activities

16:00 Francisco Ayuga – Professor at the School of Agricultural Engineering, *Technical University of Madrid*
Evolution of the Agricultural Engineering studies to cover new challenges and needs

16:20 Discussion

Second session

Rural land management and planning: crosscutting and interdisciplinary issues

Chair: Daniele Torreggiani – Associate Professor of Rural Constr. and Environmental Land Manag., *Bologna University*

16:30 Roberto Fanfani – Alma Mater Professor, *University of Bologna*

Urban vs rural development

16:50 Barbara Drusi – Associate Professor of Rural Constr. and Env. Land Man., E. Fabrizio, G. Garnero *Univ. of Turin*
The mosaicking of agricultural and forestry landscapes for an ecologically oriented planning within protected areas

17:10 Lorenzo Boccia – Associate professor of Rural Constr. and Environmental Land Manag., *Naples University*
From agriculture to energy crops. Land Cover Change assessment through spatial multi-criteria analysis and decision support tool

17:30 Marco Vizzari – Researcher and Assistant Professor of Rural Constr. and Envir. Land Manag., *Perugia University*

Landscape gradients: a new and challenging approach to spatial analysis and planning

17:50 General discussion and concluding remarks



Italian Pavilion, Monday, 31 August 2015

Impact evaluation of policies and projects for agricultural and rural development

Organizer: Elisabetta Carfagna – Full Professor of Statistics, Department of Statistical Sciences - Alma Mater Studiorum University of Bologna

18:20 Welcome – Gianluca Fiorentini, Vice Rector for Teaching and Education of Alma Mater Studiorum University of Bologna

18:30 Message from Simonetta Di Cori, representing the Italian Ministry of Foreign Affairs and International Cooperation

First session

Evaluating the impact of agricultural and rural development policies and projects

Chair: Elisabetta Carfagna – Full Professor of Statistics, University of Bologna

18:40 Minà Dowlatchahi – Deputy-Director, Office for Strategic Planning and Resources Management, Food and Agriculture Organization of the United Nations (FAO)

Statistics for food security: FAO's assessment of countries' capacities for evidence-based policy making

19:00 Paul Winters – Director of Strategic Planning and Impact Assessment Division of the Strategic and Knowledge Department of IFAD – International Fund for Agricultural Development (IFAD)

Challenges to impact evaluation, solutions for IFAD

19:20 Fabien Santini – Scientific Officer, Joint Research Centre of the European Commission

Uncertainties in impact assessment of policies or external drivers on agricultural markets, the case of the Russian crisis

19:40 Bettina Baruth – Researcher, Joint Research Centre of the European Commission and Felix Rembold – JRC
Crop monitoring to support food security policies - initiatives by the European Commission

20:00 Discussion

Second session

Monitoring economic and environmental impact of agricultural policies

Chair: Minà Dowlatchahi – Deputy-Director, Office for Strategic Planning and Resources Management, FAO

20:10 Giuseppe Blasi – Head of European and International Policies and rural development - Italian Ministry of Agricultural, Food and Forestry Policies

Common agricultural policy and agro-environment preservation

20:30 Sven Gilliams – Researcher, Vlaamse Instelling Voor Technologisch Onderzoek N.V. (VITO)

The use of time series of remote sensing data to monitor the impact of agricultural intensification at global scale

20:50 Gabriel Quirós – Head of Macroeconomic Statistics Division, European Central Bank

Agricultural prices and inflation measurement

21:10 – 21:30 General discussion and concluding remarks



Monitoring agriculture for market management and food security

Organizers: Paolo Pizziol – *Institute for Environment and Sustainability, Joint Research Centre, European Commission*

Elisabetta Carfagna – *Department of Statistical Sciences - Alma Mater Studiorum University of Bologna*

11:00 Welcome – *David Wilkinson, Commissioner General for EU participation to EXPO and Director of the JRC's Institute for Environment and Sustainability*

11:15 Welcome – *Alma Mater Studiorum University of Bologna*

Chair: *Neil Hubbard – Head of MARS Unit, Institute for Environment and Sustainability, Joint Research Centre*

11:30 Opening by *Paolo De Castro – S&D Coordinator, Committee on Agriculture and Rural Development of the European Parliament*

11:50 *Giampiero Genovese – Head of Unit Agriculture and Life Sciences in the Economy, Joint Research Centre*
Improving agricultural statistics for market management, food security and agro-environmental monitoring –

12:10 *Stefan Niemeier – Leader AGRI4CAST Action, Joint Research Centre*
The MARS Crop Yield Forecasting System

12:30 *John Latham – Head of Geospatial Systems Team, Senior Land & Water Officer, NRL, FAO*
Monitoring land cover with GIS and remote sensing

12:50 Discussion

13.10 – 14:30 Lunch

14.30 – 15:00 Tour of EU pavilion

Chair: *Elisabetta Carfagna, – Full Professor of Statistics, University of Bologna*

15:00 *Philippe Loudjani – Project Leader, Joint Research Centre*
Use of New Technologies for agricultural monitoring

15:20 *Giuseppe Arbia – Full Professor of Economic Statistics, Cattolica University*
Statistical modelling of agricultural data in a world of big data

15:40 *Michael Steiner – Senior Mathematical Statistician, United States Department of Agriculture (USDA)*
Appropriate Survey Methods for Different Country Profiles - Key Challenges, Gaps and Remaining Methodological Issues

16:00 *Cristiano Ferraz – Associate Professor of Statistics, Federal University of Pernambuco and Fulvia Mecatti – Full Professor of Statistics, University of Milano Bicocca*
Combining different sampling frames for agricultural statistics

16:20 Discussion

16:40– 17:10 Coffee break



Chair: Giampiero Genovese – Head of Unit Agriculture and Life Sciences in the Economy, *Joint Research Centre*

17:10 Monica Pratesi – Full Professor of Statistics, *University of Pisa* and Alessandra Petrucci – Associate Professor of Statistics, *University of Firenze*

Disaggregating agricultural statistics by small area models

17:30 Roberto Benedetti – Full Professor of Economic Statistics, *University of Chieti-Pescara*, Paolo Postiglione – *University of Chieti-Pescara* and Federica Piersimoni – Istat

More efficient and accurate methods for using remote sensing

17:50 Javier Gallego – Statistician, *Joint Research Centre*

Satellite images and crop area estimation: perspectives with new sensors

18:10 Emily Berg – Research Assistant Professor, *Iowa State University*, Wayne Fuller, Sarah Nusser, and Zhengyuan Zhu – *Iowa State University*

Advanced methods for agricultural and agro-environmental monitoring

18:30 – 19:00 – General discussion and concluding remarks

Further details can be found at <https://eventi.unibo.it/expo2015ruralplanning>