9th AIEAA Online Conference

MEDITERRANEAN AGRICULTURE FACING CLIMATE CHANGE: CHALLENGES AND POLICIES

11 - 12 June, 2020
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Changes in climate conditions - reflected by increasing average temperatures, frequency and intensity of extreme weather events - consistently point to increasing risks to societies all over the world in uneven and multiple ways. Environmental, socio-economic, and agri-food systems are expected to be severely affected by climate change in the next decades. According to the Joint Research Center estimates for Europe, climate change is responsible for around 80-90% of projected changes in water availability and soil loss due to desertification processes and erosion. Climate change is also affecting agricultural land and crop suitability in many world areas: between 2011 and 2050, the global average yield across all crops is projected to decline by 1.1%, with variation across regions and significant impacts on Mediterranean productions (i.e. olive and grapevine). FAO reports that climate changes could lead to significant falls of food production and gross domestic product in the worst affected regions. Further bilateral trade flows and the net trade positions of countries and regions will be affected, with complex and varied positions across the European Union (EU). World Bank and United Nations Framework Convention on Climate Change (UNFCCC) estimated that around 140 million people may be displaced by 2050 as a result of desertification, while asylum applications to EU countries are expected to increase.

The harmful effects of global climate change on agriculture are unequally distributed across regions and countries, both in relation to the physical and environmental conditions, and depending on the sensitivity, exposure and adaptive capacity of local natural and social systems. The Mediterranean area is one of the most vulnerable regions in the world to the impacts of global warming, according to international reports and projection scenarios. The European Environmental Agency (2019) states that in the coming decades, the entire Mediterranean region is expected to experience severe climate events with diversified consequences on agriculture, depending on the adaptation capacities of different areas.

The debate on impacts and consequences of climate change on Mediterranean agricultural and food systems is particular sensitive and controversial, considering historical, socio-economic and political diversities. The Mediterranean region turns out to be a crucial crossroads of the people movements induced by climate change. Relocation and movement of people will cause an increased pressure on certain areas in terms of production (quantity, process and quality) and consumption, while entire geographic regions, due to land abandonment and reduced level of land protection, will suffer further erosion and desertification. Such migrations put increasing pressure on the geopolitical role of the region as well as its internal relations and domestic politics. Mediterranean countries, due to their geographical location, play a central role in the EU international relations. Current EU policy dialogue with the Mediterranean countries has been framed within the European Neighbourhood Policy to strengthen relations with southern and eastern neighbours. Programs within Euro-Mediterranean Partnerships often promote initiatives for climate change mitigation and adaptation. Current and future policies for agricultural and sustainable development of Mediterranean countries need to prioritize climate risks considering agriculture multiple objectives – providing adequate food for growing populations, protecting the environment and ensuring resilience to future climatic change– in line with the UN Sustainable Development Goals (SDGs). Against the above scenarios, the 2018 evaluation report of the EU Adaptation Strategy invites enhancing the knowledge base and encourages new research and development, as well as innovation, in the field of climate change adaptation and mitigation policies.

The 9th AIEAA Annual Conference aims to contribute to this debate, by addressing economic and policy analysis of impacts, mitigation and adaptation options for agricultural systems facing climate change.
**PROGRAMME AT A GLANCE**

**Thursday, 11/June/2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00am - 9:00am</td>
<td>Elections for the AIEAA Board renewal 2020-2022 - First day (full day)</td>
</tr>
<tr>
<td>9:00am - 10:30am</td>
<td>Assembly: AIEAA Assembly</td>
</tr>
<tr>
<td>10:30am - 11:00am</td>
<td>Break</td>
</tr>
<tr>
<td>11:00am - 11:15am</td>
<td>Opening conference</td>
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<tr>
<td>11:15am - 12:15pm</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Plenary session</td>
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<tr>
<td>12:15pm - 1:30pm</td>
<td>IPS: Poster session</td>
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<tr>
<td>1:30pm - 2:30pm</td>
<td>Break</td>
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<tr>
<td>2:30pm - 4:15pm</td>
<td><strong>Contributed paper session</strong></td>
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<tr>
<td>1A Agri-Food Trade</td>
<td><strong>Organized Session</strong></td>
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<tr>
<td>1B Choice Experiments</td>
<td>Environmental Issues in Africa: Climate change and Sustainable Development</td>
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<tr>
<td>2:30pm - 4:15pm</td>
<td>Contributed paper session</td>
</tr>
<tr>
<td>2A Agri-Food Policy</td>
<td><strong>Organized Session</strong></td>
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<tr>
<td>2B Wine Economics</td>
<td>OS2 Agricultural education for mitigating and adapting to climate change: needs, policies and impacts</td>
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<tr>
<td>2C Environmental Sustainability</td>
<td>OS 3 Can new contract solutions maintain and improve the provision of agri-environmental-climate public goods in Europe?</td>
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<tr>
<td>4:15pm - 4:30pm</td>
<td>Break</td>
</tr>
<tr>
<td>4:30pm - 6:15pm</td>
<td><strong>Contributed paper session</strong></td>
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<tr>
<td>5A Water Economics and Policy</td>
<td><strong>Organized Session</strong></td>
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<tr>
<td>5B Climate Change Impacts and Measures</td>
<td>OS 4 Adoption of agro-ecological practices: state of the art and prospects</td>
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**Friday, 12/June/2020**

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<th>Time</th>
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<tr>
<td>9:00am - 11:00am</td>
<td>Elections 02: Elections for the AIEAA Board renewal 2020-2022 - Second Day (till h. 13.00)</td>
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<tr>
<td>11:00am - 11:15am</td>
<td>Break</td>
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<tr>
<td>11:15am - 12:00pm</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Plenary session</td>
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<tr>
<td>12:00pm - 1:00pm</td>
<td>Young economists’ session and Ceremony (Maietta best paper award and Cioffi award)</td>
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<tr>
<td>1:00pm - 1:30pm</td>
<td>Concluding ceremony</td>
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### DETAILED PROGRAM

#### Date: Thursday, 11/June/2020

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>8:00am - 9:00am</strong></td>
<td><strong>Online Room Welcome</strong>&lt;br&gt;Sessions Chair: Maurizio Prosperi&lt;br&gt;Online room welcome. For any information, contact Dr. Maurizio Prosperi, via WhatsApp +393207981491</td>
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<tr>
<td><strong>9:00am - 10:30am</strong></td>
<td><strong>Assembly: AIEAA Assembly</strong>&lt;br&gt;Sessions Chair: Davide Viaggi</td>
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<tr>
<td><strong>10:30am - 11:00am</strong></td>
<td><strong>Break 01</strong></td>
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<tr>
<td><strong>11:00am - 11:15am</strong></td>
<td><strong>Opening conference: Welcome and Conference opening (Local Authorities, AIEAA President)</strong>&lt;br&gt;Sessions Chair: Davide Viaggi</td>
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<tr>
<td><strong>11:15am - 12:15pm</strong></td>
<td><strong>1st Plenary: Climate Change and Agricultural Markets: The Mediterranean region in the global context</strong>&lt;br&gt;Key note: Petr Havlik, International Institute for Applied Systems Analysis (Austria)&lt;br&gt;Chair: Giulio Malorgio - Università degli Studi di Bologna</td>
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<tr>
<td><strong>12:15pm - 1:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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<td><strong>1:30pm - 2:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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<td><strong>2:30pm - 3:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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<td><strong>3:30pm - 4:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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<td><strong>4:30pm - 5:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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<tr>
<td><strong>5:30pm - 6:30pm</strong></td>
<td><strong>IPS: Poster session</strong>&lt;br&gt;Sessions Chair: Sonia Marongiu</td>
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**Elections for the AIEAA Board renewal 2020-2022 - First day (full day)**
All AIEAA members who paid the membership fee for the year 2020 by May 26, 2020. Elections are done electronically with the ELIGO software.

**Diagnostic of relevant policies affecting legumes and identification of potential policy needs**
Parthena Chatzinikolaou, Alban Lika, Meri Raggi, Davide Viaggi  
1Department of Agricultural and Food Sciences, University of Bologna; 2Department of Statistical Sciences, University of Bologna; alban.lika3@unibo.it

**The provision of environmental public goods under asymmetric information**
Matteo Olivieri, Fabio Bartolini, Thia Hennessy, Maria Andreoli, Daniele Vergamini  
1University of Pisa, Italy; 2University of Cork, Ireland; matteo.olivieri@phd.unipi.it

**Assessment of prevention and decontamination measures of mycotoxins in maize**
Francesca Galli, Lorenzo Pagni, Marco Fontanelli, Giuseppe Conte, Elisa Pellegrini  
University of Pisa, Italy; lore.pa@outlook.it
Multi-Actor Platforms to support the development of future rural policies: a pilot application in Emilia Romagna region.

**Emilia Pellegrini, Stefano Targetti, Meri Raggi, Davide Viaggi**
Università di Bologna, Italy; emilia.pellegrini2@unibo.it

Connections in Climate Change. A Network Analysis of the EU-funded LIFE Sub-Programme for Climate Action

**Elena Pisani**, **Elena Andriollo**, **Sara Solivo**
1Università degli Studi di Padova, Italy; 2Università degli Studi di Padova, Italy; 3Università degli Studi di Padova; elena.pisani@unipd.it

Water Demand Elasticity: the case of Emilia Centrale Irrigation Water Districts

**Andrea Pronti**, **Julio Berbel**
1University of Ferrara, Italy; 2University of Cordoba, Spain; andrea.pronti@unife.it

Social Acceptance towards waste water use in irrigated agriculture: an attempt to identifying farmers’ attitude in a simulated environment

**Diego Antonio Zullo**, **Maurizio Prosperi**, **Antonio Lopolito**
1Private consultant, Italy; 2University of Foggia, Italy; 3University of Foggia, Italy; maurizio.prosperi@unifg.it

A measurement of Mediterranean Countries sustainability according to UN SDGs

**Rocco Roma, Annalisa De Boni, Claudio Acciani**
Università degli Studi di Bari Aldo Moro, Italy; rocco.roma@uniba.it

Exploring Italian consumer acceptance and sensory preferences of cereal bars made by Brewery Spent Grains

**Giovanni Sogari**, **Margherita Rodolfi**, **Alina Stelick**, **Robin Dando**, **Maria Paciulli**
1University of Parma, Italy; 2Cornell University, US; giovanni.sogari@unipr.it

A comparative review of international food safety and nutrition consumer surveys

**Giovanni Sogari**, **Domagoj Vrbos**
1University of Parma, Italy; 2European Food Safety Authority (EFSA); giovanni.sogari@unipr.it

Exploring Attitude Towards Genetically Modified Foods and new breeding techniques: bad or positive view of the Millennials

**Annalisa Zezza, Federica Demaria**
CREA-PB, Italy; annalisa.zezza@crea.gov.it

Climate change, desertification and sustainable development in the future Algerian forest strategy.

**Sonia Marongiu**
CREA-PB, Research Centre for Agricultural Policies and Bioeconomy, Italy; sonia.marongiu@crea.gov.it

1:30pm - 2:30pm  Break 02
| 2:30pm - 4:15pm | Organized Session - OSI: Environmental Issues in Africa: Climate change and Sustainable Development - IAERE (Italian Association of Environment and Resource Economics)  
Organizer: Alessio D'Amato¹,²,³, Mazzanti, Massimiliano²,³  
¹Università degli Studi di Roma “Tor Vergata”, Italy; ²Università di Ferrara, Italy; ³SEEDS, Italy  
**The Hidden Social Costs of Climate Change: Evidence on Climate Shocks and Child Abandonment in Uganda.**  
**Manuela Coromaldi**¹, **Alessio D’Amato**², **Loredana Mirra**³  
¹University of Rome Niccolò Cusano, Italy; ²University of Rome Tor Vergata, Italy; ³SEEDS, Italy  
Behavioral Change and innovation Adoption: learning processes, social networking and stigma in Rural Mozambique  
**Luca Crudeli**¹, **Susanna Mancinelli**²,³, **Massimiliano Mazzanti**²,³, **Raul Pitoro**¹  
¹FTF Inova, Mozambique; ²University of Ferrara, Italy; ³SEEDS, Italy  
A Portfolio Analysis of Climate Change Adaptation Measures in the Agriculture Sector in Rwanda.  
**Filippo Fraschini, Roberto Zoboli**  
Università Cattolica del Sacro Cuore, Italy  
Climate change impact on Ethiopian small-holders technical efficiency.  
**Sabrina Auci**¹, **Manuela Coromaldi**²  
¹University of Palermo, Italy; ²University of Rome Niccolò Cusano, Italy |
| 2:30pm - 4:15pm | **IA: Agr-Food Trade**  
Session Chair: Margherita Scoppola  
The US-EU trade war: what effects for the olive oil world market?  
**Alessandro Antimiani, Federica DeMaria, Maria Rosaria Pupo D’Andrea, Roberto Solazzo**  
CREA (Consiglio per la Ricerca in Agricoltura e l'analisi dell'economia agraria), Italy;  
alessandro.antimiani@crea.gov.it  
A World Geography of Agri-Food Import Sophistication  
¹**Anna CARBONE**, ²Federica DEMARIA, ²Roberto HENKE  
¹Università della Tuscia; ²CREA-PB; acarbone@unitus.it  
The impact of protecting EU Geographical Indications in trade agreements  
**Daniele Curzi**¹, **Martijn Huysmans**²  
¹University of Milan, Italy; ²Utrecht University, The Netherlands; daniele.curzi@unimi.it  
Direct and belief impacts of climate change on global agri-food trade  
**Fabio Gaetano Santeramo**¹, **Martina Bozzola**², **Emilia Lamonaca**¹  
¹University of Foggia, Italy; ²Queen’s University Belfast (UK) and ZHAW, Switzerland; emilia.lamonaca@unifg.it |
The impacts of Regional Trade Agreements on the participation of food multinational firms to Global Value Chains

Margherita SCOPPOLA1, Valentina RAIMONDI2, Michele FABIANI3
1University of Macerata, Italy; 2University of Milano, Italy; 3University of Macerata, Italy; margherita.scoppola@unime.it

2:30pm - 4:15pm

1B: Choice Experiments
Session Chair: Giovanni Sogari

Eliciting truthful preferences for antibiotic-free products using the choice matching approach

Simone Cerroni1,3, Daniel Derbyshire2, George W. Hutchinson3, Rodolfo M. Nayga Jr4
1Queen's University Belfast, United Kingdom; 2University of Exeter, United Kingdom; 3Queen's University Belfast, United Kingdom; 4University of Arkansas, United States; s.cerroni@qub.ac.uk

'O sole mio: the effect of weather conditions on willingness to pay for environmental goods

Sandra NOTARO1, Gianluca Grilli2
1University of Trento, Italy; 2Trinity College, Dublin, Ireland; sandra.notaro@economia.unitn.it

A systematic review of attributes used in choice experiments for agri-environmental contracts

Nidhi Raina, Matteo Zavalloni, Meri Raggi, Stefano Targetti, Riccardo D'Alberto, Davide Viaggi
Department of Agricultural Sciences, University of Bologna, Italy; nidhi.raina@unibo.it

Are citizens willing to pay for the Ecosystem Services supported by the new CAP reform proposals? A Non-Market Valuation by choice experiment

Emanuele Blasi1, Eleonora Sofia Rossi2, Lorenzo Fosci1, Alessandro Sorrentino2
1University of Tuscia, Italy - Department of Innovation in Biological Systems, Food and Forestry; 2University of Tuscia, Italy - Department of Economics, Engineering, Society and Business Organization; e.s.rossi@unitus.it

Perceived benefits and risks of using insects in animal feed: the case of duck meat consumers

Giovanni Sogari1, Davide Menozzi1, Cristina Mora1, Marta Gariglio2, Laura Gasco2, Achille Schiavone2
1University of Parma, Italy; 2University of Turin, Italy; giovanni.sogari@unipr.it

2:30pm - 4:15pm

1C: Social and Environmental Sustainability
Session Chair: Maria Sassi

Economic Conditions and Prevalence of Risky Health Behaviors: the Italian Recession Case

Giulia Tiboldo1, Elena Castellari1, Francesco Bimbo2, Daniele Moro1
1Università Cattolica del Sacro Cuore, Italy; 2Università degli Studi di Bari Aldo Moro; giulia.tiboldo@unicatt.it
How to make school meals sustainable through a multi-objective mathematical programming approach

Michele Donati, Chiara Bartocci, Beatrice Biasini, Alice Rosi, Gianluca Lanza, Francesca Scazzina, Filippo Arfini
University of Parma, Italy; michele.donati@unipr.it

Exploring Consumer Behavior in Food Community Networks and Constraints Preventing Active Participation: The Case of Turkey

Yaprak Kurtsal1, Volkan Yeniaras2, Davide Viaggi1
1University of Bologna, Italy; 2Özyeğin University, Turkey; yaprak.kurtsal2@unibo.it

Simulating the impact of a carbon tax on food in five EU countries

Alessandro Varacca1, Elena Castellari1, Daniele Moro1, Wisdom Dogbe2, Jose Maria Gil3, Cesar Revoredo-Giha4, Faical Akaichi4, Xavier Irz5, Franklin Amuakwa-Mensah6, Yves Surry6, Paolo Sckoka1
1Università Cattolica del Sacro Cuore, Italy; 2The Rowett Institute, University of Aberdeen, United Kingdom; 3Universitat Politècnica de Catalunya, Spain; 4Scotland’s Rural College, United Kingdom; 5Natural Resources Institute Finland, Finland; 6Swedish University of Agricultural Sciences, Sweden; alessandro.varacca@unicatt.it

Determinants of the Status and Depth of Household Food Insecurity among the Slums of Dhaka City, Bangladesh

Maria Sassi1, Poushali Bhattacharjee2
1University of Pavia, Italy; 2University of Pavia, Italy; maria.sassi@unipv.it

2:30pm - 4:15pm

ID: Rural Development
Session Chair: Filippo Arfini

Are territories capable of instilling their peculiarities in local production systems and enhancing their sustainability?

Cristina Vaqueropineiro
Università degli Studi Roma Tre, Italy; cristina.vaqueropineiro@uniroma3.it

Assessing the socioeconomic impact of establishing a new protected area. A municipality level analysis in a quasi-experimental framework

Matteo Zavalloni1, Francesco Pagliacci2, Riccardo D’Alberto1
1Università di Bologna, Italy; 2Università di Padova, Italy; matteo.zavalloni@unibo.it

A self evaluation exercise of impact of a social innovation initiative in a rural area of southern Italy

Antonio Baselice1, Maurizio Prosperi1, Valentino Marini Govigli2, Antonio Lopolito1
1Univeristy of Foggia, Italy; 2European Forest Institute; antonio.baselice@unifg.it

The use of self-assessment of sustainability performance to classify innovative business cases in rural areas

Silvia Russo, Meri Raggi, Davide Viaggi
University of Bologna, Italy; silvia.russo9@unibo.it
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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<tr>
<td>4:15pm – 4:30pm</td>
<td>Break 03</td>
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</tbody>
</table>
| 4:30pm - 6:15pm | Organized Session - OS 2: Agricultural education for mitigating and adapting to climate change: needs, policies and impacts  
Organizer: Davide Viaggi  
Department of Agricultural and Food Sciences, University of Bologna, Italy  
Educational policies in the agricultural, food and forestry systems: state of the art and preliminary results of the European NextFOOD project  
University of Bologna, Italy  
Higher education and institutional support as main factors to clarify compatibility of the CAP and principles of Food Sovereignty  
Rastorgueva N., Migliorini P.  
University of Gastronomic Science, Bra-Pollenzo, Italy  
Transformative and resilient agroecology education in the NEXTFOOD project: phronesis helps create a path to the future  
Geir Lieblein1, Edwin Østergaard2, Charles Francis1,3, Lamberto Lamberti4  
1Norwegian University of Life Sciences, Faculty of Biosciences, Norway; 2Norwegian University of Life Sciences, Faculty of Science and Technology, Norway; 3University of Nebraska – Lincoln, United States; 4Mediterranean Agronomic Institute of Bari, Italy |
| 4:30pm - 6:15pm | 2A: Agri-Food Policy  
Session Chair: Francesco Vanni  
Financing agri-environmental public goods: taxes or market?  
François Bareille1, Matteo Zavalloni2, Davide Viaggi2  
1Università di Bologna, Italy; 2INRAE, France; francois.bareille@inrae.fr  
Predicting the level of the indemnities of the EU Income Stabilization Tool using Tweedie distribution and machine learning  
Simone SEVERINI1, Luigi BIAGINI1, Nadja EL BENNI2, Robert FINGER3  
1Università della Tuscia, DAFNE, Italy; 2Agroscope, Research Division Competitiveness and System Evaluation, Switzerland; 3ETH Zurich, Agricultural Economics and Policy Group, Switzerland; lbiagini@unitus.it  
What do European citizens think of Public Goods and the CAP? Results from the PROVIDE Project survey  
Riccardo D’Alberto1, Zavalloni Matteo2, Raggi Meri1, Viaggi Davide2 |

Stakeholder Analysis for local development process: the case of Parma Bio-district  
Marianna Guareschi1, Filippo Arfini1, Andrea Pronti2, Juan Pablo Sciurano1, Michele Maccari2  
1Università degli Studi di Parma, Italy; 2Università degli Studi di Ferrara, Italy; mariguare@gmail.com
<table>
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<tr>
<th>Time</th>
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<th>Session Chair</th>
<th>Delivery Details</th>
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<tbody>
<tr>
<td>4:30pm - 6:15pm</td>
<td>2B: Wine Economics</td>
<td>Emilia Lamonaca</td>
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<td></td>
<td>The strategic drivers of sustainability certifications within the wine supply chain</td>
<td></td>
<td>Mirta Casati¹, Claudio Soregaroli¹, Stefanelia Stranieri²</td>
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<td>Will wine consumer accept new mutagenesis techniques applied to grapevine?</td>
<td>Edoardo Maria Pelli¹, Vincenzina Caputo², Luigi Cattivelli³, Paolo Sckokai¹</td>
<td>¹Università Cattolica del Sacro Cuore, Italy; ²Università degli Studi Milano, Italy; <a href="mailto:mirta.casati@unicatt.it">mirta.casati@unicatt.it</a></td>
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<td></td>
<td>Sensory descriptors affecting wine price and quality scores. A hedonic model approach on Wine Spectator database</td>
<td>Giordano Ruggeri, Stefano Corsi, Chiara Mazzocchi</td>
<td>Department of Agricultural and Environmental Science, University of Milan, Italy; <a href="mailto:giordano.ruggeri@unimi.it">giordano.ruggeri@unimi.it</a></td>
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<td>Production, Efficiency and Moral Hazard in the Italian Viticulture</td>
<td>Simone Russo¹, Francesco Caracciolo²</td>
<td>¹University of Foggia, Italy; ²University of Naples, Federico II, Italy; <a href="mailto:simone.russo@unife.it">simone.russo@unife.it</a></td>
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<tr>
<td></td>
<td>Climate changes and new trade dynamics in global trade of wine</td>
<td>Emilia Lamonaca, Antonio Seccia, Fabio Gaetano Santeramo</td>
<td>University of Foggia, Italy; <a href="mailto:emilia.lamonaca@unife.it">emilia.lamonaca@unife.it</a></td>
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1Dept. of Statistical Sciences P.Fortunati - University of Bologna, Italy; ²Dept. of Agricultural and Food Sciences - University of Bologna, Italy; riccardo.dalberto@unibo.it

Local related social capital and CAP supports: Is the territorial specificity driving their spatial allocation?
Cristina Vaquero Piñeiro
Università degli Studi Roma Tre, Italy; cristina.vaqueropineiro@uniroma3.it

Policy mixes for the provision of public goods from agriculture and forestry: a systematic literature review
Francesco Mantino, Francesco Vanni
CREA-PB, Italy; francesco.vanni@crea.gov.it

1²Università Cattolica del Sacro Cuore, Italy; ²Università degli Studi Milano, Italy; mirta.casati@unicatt.it

Will wine consumer accept new mutagenesis techniques applied to grapevine?
¹Università Cattolica del Sacro Cuore, Italy; ²Università degli Studi Milano, Italy; mirta.casati@unicatt.it

Sensory descriptors affecting wine price and quality scores. A hedonic model approach on Wine Spectator database
Giordano Ruggeri, Stefano Corsi, Chiara Mazzocchi
Department of Agricultural and Environmental Science, University of Milan, Italy; giordano.ruggeri@unimi.it

Production, Efficiency and Moral Hazard in the Italian Viticulture
Simone Russo¹, Francesco Caracciolo²
¹University of Foggia, Italy; ²University of Naples, Federico II, Italy; simone.russo@unife.it

Climate changes and new trade dynamics in global trade of wine
Emilia Lamonaca, Antonio Seccia, Fabio Gaetano Santeramo
University of Foggia, Italy; emilia.lamonaca@unife.it

1Universita’ Cattolica del Sacro Cuore, Italy; ²Bonn University; a nwshe.chakrabarti@unicatt.it

Sustainable phosphorus management in Italian pig farms
Linda ARATA¹, Anwesha Chakrabarti¹, Christoph Pahmeyer², Paolo Sckokai¹
¹Universita’ Cattolica del Sacro Cuore, Italy; ²Bonn University; a nwshe.chakrabarti@unicatt.it
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| 4:30pm - 6:15pm | **2D: Economics of Agricultural Production**                                      | Francesca GIARE' | Mauro Viccaro, Mario Cozzi, Severino Romano  
School of Agricultural, Forestry, Food and Environmental Sciences (SAFE), University of Basilicata, Italy; mauro.viccaro@unibas.it  

Short and long terms socio-economic and institutional effects of windstorms damaging forests: lessons learned from Vaia and other European cases  
Federica Romagnoli, Mauro Masiero, Laura Secco, Paola Gatto, Alberto Udali, Davide Matteo Pettenella  
University of Padova, Italy; federica.romagnoli@phd.unipd.it  

Identifying possible transition pathways towards agroecology: the Socio-Ecological System of Chianti, Italy  
Oriana Gava, Francesco Galioto, Francesco Vanni, Andrea Povellato  
CREA-PB, Research Centre for Agricultural Policies and Bioeconomy (Italy); francesco.galioto@crea.gov.it  

Different Impacts of Climate Risk Components on Farms’ Productivity. A Micro-level Assessment.  
Francesco Pagliacci¹, Silvia Coderoni²  
¹Università di Padova, Italy; ²Associazione Alessandro Bartola; francesco.pagliacci@unipd.it

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| 4:30pm - 6:15pm | **2D: Economics of Agricultural Production**                                      | Francesca GIARE' | Daniele VERGAMINI, Fabio Bartolini, Gianluca Brunori  
UNIPI (University of Pisa), Italy; daniele.vergamini@agr.unipi.it  

On The Effects Of Immigrant Workers On Italian Dairies' Efficiency  
Federico Antonioli¹, Simone Severini², Mauro Vigani³  
¹Università degli Studi di Parma, Parma (Italy); ²Università degli Studi della Toscana, Viterbo (Italy); ³Countryside and Community Research Institute (CCRI), University of Gloucestershire, United Kingdom; federico.antonioli@unipr.it  

The production of monetary liquidity in Italian farms: an analysis of the FADN sample  
Raffaele Cortignani, Rebecca Buttinelli, Gabriele Dono  
Università degli Studi della Tuscia - DAFNE, Italy; cortignani@unitus.it  

Environmental sustainability and financial performance of durum wheat-centred farming systems in Italy  
Antonella Bodini¹, Federica Cisilino²  
¹CREA PB di Osimo, Italy; ²CREA PB di Udine, Italy; antonella.bodini@crea.gov.it  

Innovation and climate change. The EIP-Agrì contribute  
Francesca GIARE', Anna VAGNOZZI  

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11
**Elections 02: Elections for the AIEAA Board renewal 2020-2022 - Second Day (till h. 13.00)**

**9:00am - 11:00am**

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<th>Session Title</th>
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| Organized Session - OS 3: Can new contract solutions maintain and improve the provision of agri-environmental-climate public goods in Europe? A discussion of innovative approaches throughout Europe and beyond | Meri Raggi¹ & Lena Schaller²  
¹Department of Statistical Sciences, University of Bologna (Italy); ²Institute of Agricultural and Forestry Economics, University of Natural Resources and Life Sciences Vienna, Austria |

The role of private contracts in rice and wine production to improve environmental services in Spain  
**Ana Iglesias**, Luis Garrote, Isabel Bardaji and Vicente Sotes  
Universidad Politecnica de Madrid, Spain; [ana.iglesias@upm.es](mailto:ana.iglesias@upm.es)

Locally adapted biodiversity protection in organic farming thanks to a credit point system  
**Tania Runge¹**, Katrin Stein-Bachinger² and Lukas Wortmann³  
¹Thünen Institute of Market Analysis, Braunschweig, Germany; ²Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg, Germany; ³WWF Germany; [tania.runge@thuenen.de](mailto:tania.runge@thuenen.de)

Territorial integrated projects (PIT) to secure agri-environmental-climate public goods: The case of the Tuscan Archipelago  
**Daniele Vergamini**, Fabio Bartolini and Matteo Olivieri  
Department of Agriculture, Food and Environment, University of Pisa, Italy; [daniele.vergamini@agr.unipi.it](mailto:daniele.vergamini@agr.unipi.it)

ECO-METHANE – Rewarding dairy farmers for low greenhouse gas (GHG) emissions in France  
**Alice Issanchou** and Pierre Dupraz  
INRAE, UMR SMART-LERECO, F-35000, Rennes, France; [alice.issanchou@inrae.fr](mailto:alice.issanchou@inrae.fr)

Enhancing biodiversity in a low-land intensive farming region in Ireland using a results-based approach  
**Noreen Byrne**, Olive McCarthy and Thia Hennessy  
Cork University Business School, University College Cork, Ireland; [n.byrne@ucc.ie](mailto:n.byrne@ucc.ie)

Contract solutions for an improved delivery of agri-environmental services: A review of innovative approaches from outside the EU  
**Stefano Targetti** and Davide Viaggi  
Department of Agricultural and Food Sciences (DISTAL), University of Bologna, Italy; [stefano.targetti@unibo.it](mailto:stefano.targetti@unibo.it)
What drives the success of agri-environmental contract solutions? Learning from innovative cases throughout Europe

Theresa Eichhorn and Lena Schaller
Institute of Agricultural and Forestry Economics, University of Natural Resources and Life Sciences Vienna, Austria
Theresa.eichhorn@boku.ac.at

9:00am - 11:00am

3A: Water Economics and Policy
Session Chair: Giacomo Giannoccaro

Innovation in Irrigation Technologies for Sustainable Agriculture: An Endogenous Switching Analysis on Italian Farms’ Land Productivity
Sabrina Auci¹, Andrea Pronti²
¹University of Palermo, Italy; ²University of Ferrara, Italy; andrea.pronti@unife.it

The technical efficiency of farms with different irrigation sources: Evidences from the Apulian winegrowing
Ruggiero Sardaro, Piermichele La Sala University of Foggia, Italy;
ruggiero.sardaro@gmail.com

The Water-Energy-Food nexus approach to analyse the climate change effects in the agri-food sector: the TIMES WEF model
Maria Maddalena Tortorella¹,², Carmelina Cosmi², Mauro Viccaro¹, Patrícia Fortes³, Senatro Di Leo², Mario Cozzi¹, Filomena Pietrapertosa², Monica Salvia², Severino Romano¹
¹School of Agricultural, Forestry, Food and Environmental Sciences, University of Basilicata, Potenza, Italy; ²National Research Council of Italy, Institute of Methodologies for Environmental Analysis—(CNR–IMAA), C.da S.Loja, 85050 Tito Scalo, PZ, Italy; ³CENSE, NOVA University Lisbon - Lisbon, Portugal;
maddalenatortorella@gmail.com

Water Pricing in Agriculture in Connection to the Water Framework Directive: A Systematic Review of The Literature
Laura Mirra, Gianni Cicia, Guido D'Urso, Teresa Del Giudice
Università degli Studi di Napoli Federico II, Italy; laura.mirral@gmail.com

Design of incentive-based tool for an effective water saving policy in agriculture. Results from a pilot study in Apulia region.
Giacomo Giannoccaro, Ruggiero Sardaro, Rossella De Vito, Luigi Roselli, Bernardo De Gennaro
Università degli studi di Bari Aldo Moro, Italy; giacomo.giannoccaro@uniba.it
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<tr>
<td>9:00am - 11:00am</td>
<td>3B: Climate Change Impacts and Measures</td>
<td>Implications of climate changes for Mediterranean agriculture - the case of horticulture sector in Albania</td>
<td>Martina Bozzola</td>
<td>Drini Imami(^1), Engjell Skrelli(^1), Endrit Kulla(^1), Pjerin Shoshi(^2)</td>
<td>Agricultural University of Tirana, Albania; 2Ministry of Agriculture and Rural Development and Agricultural University of Tirana, Albania; <a href="mailto:drinimami@yahoo.com">drinimami@yahoo.com</a></td>
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<td>Treated wastewater reuse as an eco-efficient strategy of adaptation and mitigation of climate change effects in agriculture: the case of citrus cultivation in the Souss-Massa region (Morocco)</td>
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<td>Nohaila El Hyani, Alessandra Scardigno, Andi Mehmeti, Mladen Todorovic</td>
<td>Mediterranean Agronomic Institute of Bari (CIHEAM IAM), Italy; <a href="mailto:mehmeti@iamb.it">mehmeti@iamb.it</a></td>
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<td>Climate change adaptation measure: an Italian case study applying a Multi-Criteria Analysis</td>
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<td>Raffaella Zucaro, Veronica Manganiello, Marianna Ferrigno, Romina Lorenzetti</td>
<td>Council for Agricultural Research and Economics - Research Center for Agricultural Policies and Bioeconomy (CREA-PB), Italy; <a href="mailto:marianna.ferrigno@crea.gov.it">marianna.ferrigno@crea.gov.it</a></td>
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<td>Beekeepers' perceptions of climate change, adaptation strategies and policies in Piedmont (Italy)</td>
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<td>Silvia Novelli, Monica Vercelli, Chiara Ferracini</td>
<td>Department of Agricultural, Forest and Food Sciences - University of Torino, Italy; <a href="mailto:silvia.novelli@unito.it">silvia.novelli@unito.it</a></td>
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<td>Revisiting the impacts of extreme weather on agriculture: Italy as a case study</td>
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<td>Martina Bozzola(^1,2), Emanuele Massetti(^3,4), Jaroslav Mysiak(^4)</td>
<td>1Queen's University Belfast (UK); 2ZHAW (CH); 3Georgia Institute of Technology; 4CMCC; <a href="mailto:martina.bozzola@qub.ac.uk">martina.bozzola@qub.ac.uk</a></td>
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<td>9:00am - 11:00am</td>
<td>3C: Sustainability Pillars at Crossroads</td>
<td>Sustainability Impact Of Children's School Lunch Plate Waste In Two Italian Case Studies</td>
<td>Gianmaria Tassinari</td>
<td>Beatrice Biasini(^1), Michele Donati(^2), Alice Rosi(^1), Francesca Giopp(^1), Davide Menozzi(^1), Francesca Scazzina(^1)</td>
<td>1University of Parma, Department of Food and Drug, Italy; 2University of Parma, Department of Chemistry, Life Sciences and Environmental Sustainability, Italy; <a href="mailto:beatrice.biasini@unipr.it">beatrice.biasini@unipr.it</a></td>
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<td>Unfair Trading Practices: Evidence from the fruit value chain in Slovakia</td>
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<td>Katarína Baráthová, Ján Pokrivčák, Miroslava Rajčániová</td>
<td>Slovak University of Agriculture in Nitra, Faculty of Economics and Management, Slovak Republic; <a href="mailto:barathova.katka@gmail.com">barathova.katka@gmail.com</a></td>
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Testing a healthy default option: a field experiment at a casual restaurant
Gerarda Caso, Riccardo Vecchio, Teresa Del Giudice, Carla Cavallo, Gianni Cicia
University of Naples Federico II, Italy; gerarda.caso@unina.it

Agglomeration bonus, coordination costs and endogenous group formation
Matteo Zavalloni¹, Francois Bareille², Davide Viaggi¹
¹Università di Bologna, Italy; ²INRAE, France; matteo.zavalloni@unibo.it

Bioeconomy in Social Sciences: a Systematization of Different Case Study Approaches
Gianmaria Tassinari¹, Dusan Drabik³, Stefano Boccaletti², Claudio Soregaroli²
¹Agricultural Economics and Rural Policy Group, Wageningen University, Wageningen; ²Dipartimento di Economia Agro-alimentare, Università Cattolica del Sacro Cuore, Piacenza, Italy; gianmaria.tassinari@unicatt.it

9:00am - 11:00am
Organized Session - OS 4: Adoption of agro-ecological practices: state of the art and prospects
Organizer: Andrea Povellato, Francesco Vanni and Matteo Zavalloni
Università degli Studi di Bologna, Italy

Drivers and barriers of agroecological transitions in European farming systems: Lessons and experiences from multi-actor engagement in 15 case studies
Gerald Schwarz et al.
Thünen Institute of Farm Economics, Germany

Towards a novel farm typology based on uptake of ecological farming practices: preliminary results from the LIFT project
Carlo Rega, Maria Luisa Paracchini
European Commission - Joint Research Centre, Ispra (VA), Italy

Technical-economic performance of specialized dairy farms in Austria considering the adoption of different ecological approaches
Andreas Niedermayr, Ludwig Gerner, Peter Walder, Lena Schaller, Jochen Kantelhardt
University of Natural Resources and Life Sciences, Vienna, Department of Economics and Social Sciences (WISO), Institute of Agricultural and Forestry Economics (AFO)

The role of governance networks in supporting the agroecological transition: evidence from 15 European case studies
Oriana Gava, Andrea Povellato and Francesco Vanni
CREA-PB, Research Centre for Agricultural Policies and Bioeconomy, Italy

11:00am - 11:15am
Break 04

11:15am - 12:00pm
2nd Plenary: Risk Management and Weather Index Insurance
Key note: Eva Iglesias - CEIGRAM-Universidad Politecnica de Madrid (Spain)
Chair: Margherita Scoppola - Università degli Studi di Macerata (Italy)

12:00pm - 1:00pm
Young economists’ session and Ceremony (Maietta best paper award and Gioffi award)
Session Chair: Fabio Bartolini

1:00pm - 1:30pm
Concluding ceremony
Session Chair: Filippo Arfini
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Alessandro Sorrentino (Università della Tuscia, Italy, Chair)
Martina Bozzola (Queen’s University Belfast (UK) and ZHAW, Switzerland)
Maria B. Forleo (Università del Molise, Italy)
Francesca Galli (Università di Pisa, Italy)
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Luigi Roselli (Università degli studi di Bari “Aldo Moro”, Italy)
Alessandra Scardigno (CIHEAM Bari, Italy)
Massimiliano Schiralli (CREA - Centro di ricerca Politiche e Bioeconomia, Italy)
Grazia Valentino (CREA - Centro di ricerca Politiche e Bioeconomia, Italy)

Information and Contacts

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