

188<sup>th</sup> EAAE Seminar

*Reorienting agri-food chains to hinder  
climate change and food security threats*

PROGRAMME



European Association of the  
Agricultural Economists (EAAE)



CIHEAM  
MAI CHANIA  
Mediterranean Agronomic  
Institute of Chania (MAICh)

Mediterranean Agronomic Institute of Chania (MAICh)  
Chania, Greece, 12 - 13 September, 2024

## WEDNESDAY, 11 September 2024

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20:30 – 22:30 Welcome Reception at MAICh Venue

## THURSDAY, 12 September 2024

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08:30 – 09:30 Registration  
Conference Center of CIHEAM-MAICh

09:30 – 11:00 Introductory session,  
Room: **ARISTOTLE**  
Chair: **Mattas** Konstadinos

Welcoming address:

**Baourakis** George, Director of CIHEAM-MAICh

**Gil José** María, EAAE President

**Krifca** Frida, President of the Governing Board of  
CIHEAM

Key-Note Speaker

Christian **Schöb**, University Rey Juan Carlos, Spain

THEME: "**More biodiversity for a more sustainable  
and resilient agriculture**"

11:00 – 11:30 Coffee break

11:30 – 13:00 PARALLEL SESSIONS

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### SESSION 1A

#### **Agri-food value chain dynamics**

Chair: **Lamprinakis** Lampros

Room: **ARISTOTLE**

Are farms in short food supply chains more resilient to external shocks? The empirical study from Poland

Borychowski Michał, Stępień Sebastian, Matuszczak Anna

Transformative policies for dynamic legume value chains

Balázs Bálint

The impact of sustainable consumption on supply chain management: an EU-wide study

Anastasiadis Foivos, Stamos Aggelos, Syndoukas Nikolaos, Tsolakis Naoum, Kyriakidis Anastasios, Mousiadou Anastasia, Louvrou Nina, Manikas Ioannis, Mattas Konstadinos

Promoting Sustainable Supply Chains through the Consumption of Certified Tropical Fruits in the Central European Region

Chaloupkova Petra, Rondevaldova Johana, Hejkrlik Jiri

Sustainability of Indigenous Green Leafy Vegetable Value Chains in Uganda: Status Quo and Identification of Key Determinants

Asiimwe Robert, Teuber Ramona

Uncovering power and biodiversity issues in agri-food value chains

Lamprinakis Lampros, Mulazzani Luca, Schaer Burkhard, Tisseyre Cyril, Halland Hilde, Mattas Konstadinos

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## SESSION 1B

### **Modelling dealing with sustainable agriculture**

Chair: **Wim Verbeke**

Room: **SOCRATES**

Food Self-Sufficiency under Limited Resources: Economic Analysis for the Case of Israel

Kan Iddo, Slater Yehuda, Troen Aron, Finkelshtain Israel

Breeding Livestock: An Intensifier of Climate Change or a Mitigation Strategy?

Smeets Kristkova Zuzana, Ghaderi-Zefreh Masoud, Doeschl-Wilson Andrea, Dominguez Viera Marcos, Bunnefeld Nils, Moghayer Saeed

Integrated Assessment of EU Soil Biodiversity Policies: Synergies and Trade-offs Among Policy Objectives

Zamani Omid, Banse Martin

Identifying motives and barriers among Greek farmers towards innovative pest management adoption

Diakoulakis Giorgos, Tzouramani Irene

The livestock system in the Netherlands under attack: an Applied General Equilibrium model approach

Peerlings Jack

## SESSION 1C

### **Sustainable production and consumption**

Chair: **Sinabell Franz**

Room: **PYTHAGORAS**

Modeling the emission reduction potentials of non-CO2 mitigation measures for Austrian farms

Kröner Verena, Falkner Katharina, Schmid Erwin, Mitter Hermine

The effects of soil consumption and human diets on the degree of self-sufficiency in Austria

Falkner Katharina, Sinabell Franz

Sustainability Pathways of Ecuadorian Cocoa Farming Communities: A Photovoice Journey towards Post-Growth Agrifood Systems

Egger Moritz, Curran Michael, Jacobi Johanna

The impact of geographical indications on farms' performance. An empirical analysis of the EU vineyard sector

Antonioli Federico

Farmers' intention towards investing in Agriculture 4.0 in marginal and non-marginal conditions

Sabbagh Maria, Gutierrez Luciano

Digital Technologies and Climate Smart Agriculture - the Case of Variable Rate Fertilisation in Austria

Sinabell Franz

**13:30 – 15:00**

**Lunch (Restaurant Mediterranean)**

15:00 – 16:30

AFTERNOON SESSIONS

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## SESSION 2A

### **Perceptions and attitudes regarding biodiverse production systems**

Chair: **Xoplaki** Elena

Room: **ARISTOTLE**

Uncovering local perspectives on sustainability in Ecuadorian cocoa farming communities through Photovoice action research

Egger Moritz, Curran Michael

Exploring Public Attitudes Towards Meat Policies in Europe

Kmetkova Diana, Scasny Milan, Zverinova Iva, Maca Vojtech

Stakeholders positions on greenhouse gas emissions mitigation from Germany's cattle supply chain

Arcia Karen, Cerini Livia, von Cramon-Taubadel Stephan

Societal perceptions and attitudes towards genetically modified (GM) crops, feed, and food products in the Middle East, North Africa, and Turkey (MENAT) region: A systematic literature review

Medani Khalid, Garrod Guy, Ojo Mercy, Hubbard Carmen

Explaining Consumers Online Food Purchase Intention through Technology Adaptation Model (TAM): A Case of Antalya Province/Türkiye

Simsek Sibel, KOC Gulcin, Demir Mehmet Ozer, KOC Ahmet Ali

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## SESSION 2B

Consumer preferences and sustainable food choices

Chair: **Jukka** Kola

Room: **SOCRATES**

Organic consumers' acceptance of food produced with recirculated nutrients

Smed Sinne

Exploring consumer preferences for quality labels on extra virgin olive oil: Accounting for stated versus inferred attribute non-attendance

Ballco Petjon, Gracia Azucena, Pérez Luis

Understanding Italian consumers' engagement with cultured meat. An insight on the role of political ideology and risk attitude

Proi Migena, Perito Maria Angela, Coderoni Silvia

Consumer Preferences toward Eco-labeled Fruit and Vegetables Comparing Short and Export-Oriented Supply Chains: A Cross-National Study

Aminravan Marzieh, Ahmadikaliji Sina, Mulazzani Luca, Camanzi Luca

The role of behavioral barriers in consumer acceptance of underutilized and genetically diverse food

Atakan Pelin, Günden Cihat, Yercan Murat, Mattas Konstadinos, Knez Marija

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## SESSION 2C

### **Trends and policies affecting the structure of the agro-food market**

Chair: **Götz Linde**

Room: **PYTHAGORAS**

Can we observe relation between environmental subsidies, biodiversity and motivation of farmers in Czech agriculture?

Cechura Lukas

Reforming budgetary support to agriculture: GHG emission impacts, co-benefits and trade-offs

Freund Florian, Valin Hugo, Lankoski Jussi, Ben Henderson

Fallow land in the EU – How are agricultural revenues and markets affected?

Laquai Verena, Zirngibl Max, Haß Marlen

Incentive mechanisms to improve data availability in food systems

Toma Luiza, Thompson Bethan, Reynolds Christian, Morrison Rosanna

The impact of Russia's war in Ukraine on the integration of grain markets in Ukraine and the Black Sea region

Götz Linde, Svanidze Miranda, Yugay Stanislav, Gagalyuk Taras, Jaghdani Tinoush

16:30 – 17:00

Coffee break

17:00 – 18:30

AFTERNOON SESSIONS

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### SESSION 3A

#### **Health, dietary choices and diverse food consumption**

Chair: **Schader** Christian

Room: **ARISTOTLE**

The impact of climate change on beekeeping in Crete, Greece

Gana Lyes, Wim Verbeke, George Gadanakis, Panagiota Gotsiou, Eleni Stamataki

Effectiveness of nudge- and boost-based interventions to foster sustainable food choice:  
The role of moral agency

Hess Anne Marlen, Tatic Milan, Klink-Lehmann Jeanette, Zenker Paul, Hartmann Monika

An Integrated Approach to Linking Sectoral Models and Individual Dietary Behavior

Thom Ferike, Gocht Alexander

Exploring the Market Potential for Tomato Cultivated from Local Landraces: A  
Segmentation Approach Using an Inferred Non-Attendance Choice Experiment

Gracia Azucena, Mallor Cristina

How environmentally friendly are the eight largest German food retailers?

Schader Christian, Keller Olivia, Teriete Moritz, Seo Hyewon

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### SESSION 3B

#### **The theoretical framework of biodiversity**

Chair: **Banterle** Alessandro

Room: **SOCRATES**

Agricultural Knowledge and Innovation System (AKIS) in Greece: From diagnostics toward  
operational practices

Michailidis Anastasios, Amerani Epistimi

Transformative Agri-Food Supply Chains for Climate Resilience – Which indicators are  
suitable to measure resilience and social transformation?

Altenbuchner Christine

Incorporating Sustainability in the Modern Understanding and Quality Assessments of Agrarian Governance

Bachev Hrabrin

Analysis of Sustainable Agri-Food Systems: Assessment and Comparison of Sustainability Indicators

Guadarrama Fuentes Omar, Menéndez i Molist Adrià, Gil José María, Kallas Zein

Do Timing and Methods Impact the Effectiveness of Incentives? A Narrative Review of Education-Based Interventions for Promoting Plant-Based Food Choices Among Students in Developed Countries

Yan Wanying, Sipiläinen Timo, Banterle Alessandro

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## SESSION 3C

### **Sustainable and biodiverse food systems**

Chair: **Bavorova** Miroslava

Room: **PYTHAGORAS**

From Fork to Footprint: Unveiling the Environmental Impact of Food Consumption across Income Divides

Renhart Anna

Trade for nutrition: Evidence from Morocco

Omar Frikhat, Van Den Broeck Goedele

Turning food waste and agri-food byproducts into animal feed ingredients and organic fertilizer using insects – Towards pilot implementation in Greece

Yarali Paisios Ayse, Kolorizos Argyrios, Paisios Emmanouil, Manios Thrassyvoulos, Kotouzas Dimitris, Milonas Panagiotis, Kizis Dimosthenis, Rumbos Christos, Athanassiou Christos

National-scale diet change and international trade dynamics

Sherry Erin, Binfield Julian, Caskie Paul

Food Security Dynamics Across Diverse Regions in Sulaymaniyah, Iraq

Bavorova Miroslava, Abdalla Niga, Ullah Ayat



**Group 1**Chair: **Kalogeras Nikolaos**

Heightening sustainability transition in the fresh produce industry

Mili Samir

Water buffalo production in Greece: Challenges and prospects in a competitive environment

Ragkos Athanasios, Skordos Dimitrios, Roustemis Dimitrios, Lympelopoulos Aristotelis

The role of precision agriculture in sustainable food supply chains

Erdei-Gally Szilvia, Vágány Judit

The role of opportunistic behavior to the performance of agricultural cooperatives

Tsioumis Alexandros, Kalogeras Nikos, Sergaki Panagiota, Partalidou Maria

Holistic Farm Management Model Based on Cross Compliance Rules via Multi-Criteria Analysis Method

Prentzas Angelos, Kouriati Asimina, Moulogianni Christina, Lialia Evgenia, Tafidou Anna, Dimitriadou Eleni, Bournaris Thomas

Exploring the multifaceted benefits of green leafy vegetables - promoting biodiversity for enhanced health, environmental benefits, and sustainable practices

Knez Marija, Gurinovic Mirjana, Ranic Marija, Koukounaras Athanasios, Gkotsamani Anna, Mattas Konstadinos

Agricultural Cooperatives: Roadblocks to Achieving Climate Change Resilience and Food Security

Paraschou Myrto, Kalogeras Nikos, Sergaki Panagiota, Nastis A. Stefanos

Enhancing Sustainability in Agri-Food Chains with Digital Food Passports: An Analysis of Stakeholder Perspectives from Farm to Packaging

Kosior Katarzyna, Jarzabek Jacek, Młodawska Paulina

Managing soil health in EU: the role of Institutions

Bartolini Fabio, Winkler Greta, Langlais Alexandra

A Successful model of integrating biodiversity conservation and economic activity: insights from establishment and operation of community conserved areas in Armenia

Yeritsyan Naire

## Group 2

Chair: **Koç Ahmet Ali**

Conservation Through Consumption: Enhancing Biodiversity via Market Demand for Local Breeds in Croatia

Cerjak Marija, Faletar Ivica, Ivanković Ante

The situation of raw cow milk production on small-scale farms and agri-food chains in Hungary

Vágány Judit, Erdei Késmárki-Gally Szilvia

Does drought pose a main challenge of farming in Tajikistan? The perception of small-scale farmers

Pilařová Tereza, Mirkholiqov Azamjon, Khobilova Nigina

POS consumer behaviour towards defective food: a case study of beef with colour defects

Garcia-Torres Susana, Soto-Tello J., Jimenez-Dominguez Y., Diaz-Caro Carlos, Sierra Veronica, Olivan M., Sentandreu M.A., Mesias Francisco J.

Exploring young consumers' willingness to pay for edible takeaway coffee cups

Papoutsis Georgia, Kourtesi Elena

Hydrological Balance for Sustainable Water Resources Management: Case Studies from the EWA-BELT Project

Georgiou Pantazis, Mattas Christos, Mattas Konstadinos, Lazaridou Dimitra, Nastis Stefanos

BioValue's achievement - recipes for new food dishes and innovative food products for promoting underutilized crops, dietary diversity, and sustainability

Knez Marija, Gurinovic Mirjana, Ranic Marija, Vidovic Nevena, Pantovic Ana, Schaer Burkhard, Tisseyre Cyril, Stamataki Eleni, Karapataki Katerina, Zouaghi Amine, Loupasaki Sofia, Tsounapi Panagiota, Yercan Murat, Gunden Cihat, Csillag Péter, Horvath Renáta, Pelopida Myrto, Mattas Konstadinos

A Comprehensive Cereal Supply Chain Quality Control and Decision-Making Framework (TraCEREAL)

Nikoloudakis Nikolaos, Ntalaperas Dimitris, Pallides Andreas, Giannakopoulou Marianthi, Adamides George, Ioannis Constantinou Ioannis, Michailidou Anna-Valentini, Moavinis Angelos, Katsiotis Andreas

Addressing food security in a warming world - heat stress and nutritional impacts on wheat

Knez Marija, Nguyen Van Lam, Trethowan Richard, Stangoulis James

Food self-sufficiency of Western Balkan countries in the conditions of crisis

Matkovski Bojan

Improving food reuse in the supply chain: Spanish consumers' behaviour and perceptions towards beef with colour defects through Focus Groups

Mesias Francisco J., Diaz-Caro Carlos, Soto-Tello J., Jimenez-Dominguez Y., Sierra Veronica, Olivan Mamen, Sentandreu M.A., Garcia-Torres Susana

19:30

Dinner – Cretan Night (Restaurant Mediterranean)

FRIDAY, 13 September 2024

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9:30 – 11:00

MORNING SESSIONS

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SESSION 4A

**Data, tools and models to measure the environmental and economic performance of agriculture**

Chair: **Gil José María**

Room: **ARISTOTLE**

Total Factor Productivity in EU Livestock Farming: Balancing Sustainability and Competitiveness

Addo Felicity

The Sustainability assessment of Agrifood SMEs: a GRI-based Tailored Model vs ESRS

Tugliani Teresa, Guareschi Marianna, Filippini Rosalia, Arfini Filippo

Economic performance of apple tree farming in Greece

Koutouzidou Georgia, Vakouftsi Maria, Georgiadou Eleftheria, Melfou Katerina

Perceived Performance Evaluation of a Two-layered Agribusiness Firm: The Case of Marketing Cooperative

Kalogeras Nikos, Pennings Joost M.E., van Dijk Gert, Rigopoulos Konstantinos

Counting the Costs: The economic impact of drought-induced water restrictions in the Catalan economy (Spain)

Gezahegn Tafesse, Guesmi Bouali, Tadesse Tewodros, Gil José María

## SESSION 4B

### **Adaptability of food systems to climate change and other external shocks**

Chair: **Stojanović Žaklina**

Room: **SOCRATES**

The role of scientific data in shaping EU policies: enhancing food security resilience in the context of biodiversity loss and climate change: a systematic analysis and scoping group engagement with policy actors

Di Gregorio Luciana, Nolfi Lorenzo, Notarfonso Maurizio, Latini Arianna, Bunnefeld Nils, Nikoloudakis Nikolaos, Rossi Daniele, Dettenhofer Markus, Manikas Ioannis, Bevivino Annamaria

Collaboration and resilience in the Scottish pig supply chain

Revoredo-Giha Cesar, Dogbe Wisdom

EU CBAM's Role in Achieving Green Deal Targets and Its Impact on the EU Agricultural Sector

Stepanyan Davit, Zamani Omid, Heidecke Claudia, Gocht Alexander, Osterburg Bernhard, Pelikan Janine, Spiegel Alisa

Policy Experiments via Digital Data Processing: Leveraging Data Warehousing and Bayesian Networks for Agricultural Price Prediction

Theofilou Asterios, Tsagris Michail, Tzouvelekas Vangelis, Nastis Stefanos, Mattas Konstadinos

Demonstration of a supply chain platform supporting biodiversity

Theofilou Asterios, Tsagris Michail, Tzouvelekas Vangelis, Roldan Álvaro Ojeda, Pérez Rodriguez Santiago

Understanding Climate Change Impacts: Perspectives and Strategies of Farmers in Serbia

Stojanović Žaklina, Manić Emilija, Janković Irena

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## SESSION 4C

### **Supporting environmentally friendly practices and ideas**

Chair: **Zuluğ Asli**

Room: **PYTHAGORAS**

The Role of Soil Microbiological Indicators in Enhancing Agricultural Sustainability and Climate Resilience

Nolfi Lorenzo, Di Gregorio Luciana, Costanzo Manuela, Bindo Arianna, Palojarvi Ansa, Manikas Ioannis, Bevivino Annamaria

The adoption of environmental labelling in the EU food supply chains: a systematic review

Pucillo Flavia, Cavaliere Alessia, Bellettati Irene, Banterle Alessandro

University agricultural education and the development of students' entrepreneurial mindset and motivation: A study in Greece and Italy

Belletti Matteo, Bentivoglio Deborah, Bournaris Thomas, Charatsari Chrysanthi, Chiaraluce Giulia, Finco Adele, Lazaridou Dimitra, Lioutas Evagelos D., Loizou Efstratios, Michailidis Anastasios, Paltaki Aikaterini

Consumer attitudes towards visiting a wine destination

Mamalis Spyridon, Kamenidou Eirini, Bouloubasi Elisavet, Karampatea Aikaterini

Integrating Invasive Fish Species Management with Functional Food Production: A Sustainable Approach to Marine Ecosystem Restoration and Climate Threat Mitigation

Zuluğ Asli

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SESSION 4D

### **Projects' session**

Chair: **Manikas** Ioannis

Room: **DEMOCRITUS**

Scenario Development of 10 EcoReady Living Labs

Dettenhofer Markus, Bunnefeld Nils, Polakova Jana, Muntean Nina

Certification of novel food commodities based on DNA barcoding: a BIOVALUEable proof-of-concept

Katsiotis Andreas, Tsolakidou Maria, Nikoloudakis Nikolaos, Tisseyre Cyril, Knez Marija, Mulazzani Luca, Lazaridou Dimitra, Mattas Konstadinos

Recording EU society's awareness of climate change, food security, and biodiversity towards a more resilience agro-food system

Syndoukas Nikolaos, Mattas Konstadinos, Tsakiridou Efthimia, Anastasiadis Foivos, Manikas Ioannis, Mousiadou Anastasia, Staboulis Christos, Arroyo Schnell Alberto, Morelle Claire

High resolution climate variables under climate change conditions for European Countries – the BioValue pilot site areas

Haupt Moritz, Vlachopoulos Odysseas, Quezada Dominguez Viviana, Solovieva Irina, Xoplaki Elena

Advancing agroecosystem resilience through Intercropping: insights from topic modeling, meta-analysis, and field studies on cereal-legume systems

Riccardo Zustovi, Kevin Dewitte, Sofie Landschoot, Greet Verlinden, Marta da Silva Lopes, Matthias Heinrich Herrmann, Steven Maenhout, Geert Haesaert

11:00 – 11:30

Coffee break

11:30 – 13:00

MORNING SESSIONS

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SESSION 5A

**Sustainable agri-food systems**

Chair: **Haesaert** Geert

Room: **ARISTOTLE**

Cultivated biodiversity management and the impact of sustainability attributes on market prices: the case of Italian lentils

Chatzinikolaou Parthena, Verza Marta, Ceccacci Alberto, Frigo Giuseppe, Mulazzani Luca, Malorgio Giulio, Mattas Konstadinos

Employing structural equation modelling to measure resilience of farms. Framework and concept

Borychowski Michał, Stępień Sebastian

Assessing the Impact of Marine Protected Areas on Fisheries Resources: An Empirical Analysis Based on the Pressure-State-Response Framework

Kim Dae Eui, Lim Song Soo

Sustainable Aquaculture: Challenges and Barriers to the Growth of the Aquaponics Sector

Macht Janine, Klink-Lehmann Jeanette, Simons Johannes, Kilimann Jana, Hartmann Monika

Setting carbon tax on Finnish regional and national dairy production – SEEA-based multiplier analysis

Hyytiä Nina

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SESSION 5B

**Policy tools and assessment of environmental protection**

Chair: **Arfini** Filippo

Room: **SOCRATES**

Performance of Mutual Funds with Biodiversity Targets

Oude Lansink Alfons, Tarnaud Albane

Heterogeneous potential of farms to adopt organic agriculture: The case of German dairy and arable farms

Pignotti Davide, Curtiss Jarmila, Neuenfeldt Sebastian, Yang Xinxin, Gocht Alexander

Prediction of mycotoxin contamination in European wheat and related economic loss estimation

Wang Xinxin

Exit or Reversion? Structural Specifics of German Farms Leaving Organic Farming

Curtiss Jarmila, Pignotti Davide, Sebastian Neuenfeldt Sebastian, Kuhnert Heike, Gocht Alexander

The Food Environment Approach in Urban food policy: Assessing the socio-economic factors of Parma City

Fagbohun Oluwatosin Abigail, Guareschi Marianna, Arfini Filippo

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## SESSION 5C

Market demands as driving forces to enhance biodiversity

Chair: **Mili Samir**

Room: **PYTHAGORAS**

From Close to Distant: Exploring Consumer Preferences for Lignin-Based Products Across Various Product Categories

Klink-Lehmann Jeanette, Macht Janine, Kilimann Jana, Simons Johannes, Hartmann Monika

The role of policy in the use of Crop Wild Relatives and the enhancement of agrobiodiversity in Europe

Fodor Kata, Neulinger Ágnes, Balázs Bálint

Exploring the potential and challenges of underutilised crops in agri-food value chains: an example of Lathyrus in Germany and Spain

Solovieva Irina, Kasperczyk Nadja, Bessai Ann-Kathrin, Barilli Eleonora, Luna Casado Pedro Jose, Alba Morales Nikolas, Knez Marija, Ranic Marija, Gurinovic Mirjana, Xoplaki Elena

Reputation Indicator Mapping for German Wine Regions

Schamel Guenter

Determine the impacts of Climate change and Biodiversity on food security – Insights from the literature.

Vu Nam, Bourlakis Michael

13:00-14:30	Lunch (Restaurant Mediterranean)
14:30 – 15:00	PLENARY SESSION <b>Mattas</b> Konstadinos - Closing Remarks Room: <b>ARISTOTLE</b>
15:00-16:30	EAAE General Assembly Room: <b>ARISTOTLE</b>



188<sup>th</sup> EAAE Seminar Abstracts Book