



172<sup>ND</sup> EAAE Seminar

# Agricultural policy for the environment or environmental policy for agriculture?

Brussels, 28-29 May 2019

## AGENDA

**Venue:**  
Museum of Natural Sciences  
Rue Vautier, 29  
1000, Brussels

**Organisers:**  
JRC and DG AGRI

**In collaboration with:**



European Association of  
Agricultural Economists

# Tuesday

## 28 May 2019

**8:00 - 9:00**

*Registration*

📍 **ENTRANCE HALL**

**9:00 - 10:30**

*Academic Plenary: Challenges for enhancing environmental objectives of agricultural policy*  
(Session Chair: Claudia Olazabal)

📍 **GRAND AUDITORIUM**

**10:30 - 11:00**

*Coffee break*

📍 **VIP ROOM**

**11:00 - 12:30**

*Case Studies (light): Sustainability in agriculture - European and global case studies*

📍 **LEBON ROOM**

**11:00 - 12:30**

*Climate Change (1): Climate Change - European and global perspectives*

📍 **GRAND AUDITORIUM**

**11:00 - 12:30**

*Other (light 1): Environmental ambition and farmers' responses*

📍 **D'HONDT ROOM**

**12:30 - 13:30**

*Networking lunch*

📍 **VIP ROOM**

**13:30 - 15:00**

*Opening Plenary: The agricultural-environmental economics and policy nexus of the future CAP*  
(Session Chair: Margherita Scoppola)

📍 **GRAND AUDITORIUM**

**15:00 - 15:30**

*Coffee break*

📍 **VIP ROOM**

**15:30 - 17:00**

*AECM (1): What do AECM actually provide? Environmental, climate and economic impacts*

📍 **SMALL AUDITORIUM**

**15:30 - 17:00**

*Climate Change (2): Climate Change - Regional perspective*

📍 **GRAND AUDITORIUM**

**17:15 - 18:45**

*CAP (1): CAP impacts in the past - What can be learned for the future?*

📍 **GRAND AUDITORIUM**

**17:15 - 18:45**

*Climate Change (light): Climate change and EU agriculture*

📍 **SMALL AUDITORIUM**

**17:15 - 18:45**

*EAAE Meeting: General meeting of the EAAE*  
(Session Chair: Margherita Scoppola)

📍 **SUPERATELIER**

**19:15**

*Gala dinner*

📍 **DINOSAUR GALLERY MEZZANINE**

# Wednesday

## 29 May 2019

**8:00 - 8:30**

*Registration*

📍 **ENTRANCE HALL**

**8:30 - 10:00**

*CAP (2): The future CAP - Cornerstones, design, nudges, and possible impacts*

📍 **GRAND AUDITORIUM**

**8:30 - 10:00**

*Other (1): Institutional aspects in assessing agri-environmental performance*

📍 **D'HONDT ROOM**

**8:30 - 10:00**

*Other (light 2): The diversity of approaches to evaluate environmental ambition in agricultural policy*

📍 **LEBON ROOM**

**10:00 - 10:30**

*Coffee break*

📍 **VIP ROOM**

**10:30 - 12:30**

*Policy Plenary: International experiences with agri-environmental policy design and application (Session Chair: Tassos Haniotis)*

📍 **GRAND AUDITORIUM**

**12:30 - 13:30**

*Networking lunch*

📍 **VIP ROOM**

**13:30 - 15:00**

*AECM (2): Designing the environment and climate commitments of the future - Where can we improve?*

📍 **GRAND AUDITORIUM**

**13:30 - 15:00**

*Other (2): Data and spatial modelling of environmental output*

📍 **SMALL AUDITORIUM**

**15:00 - 15:30**

*Coffee break*

📍 **VIP ROOM**

**15:30 - 17:00**

*AECM (3): What does society expect from AECM – farmers, citizens and policy makers*

📍 **GRAND AUDITORIUM**

**15:30 - 17:00**

*Income: Economic and income attributes of enhancing environmental performance*

📍 **SMALL AUDITORIUM**

**17:15 - 18:45**

*AECM (light): AECM - Specific issues and individual scheme evaluations*

📍 **SMALL AUDITORIUM**

**17:15 - 18:45**

*CAP (light): CAP impacts and their measurement*

📍 **GRAND AUDITORIUM**

## **CLIMATE CHANGE (1): CLIMATE CHANGE - EUROPEAN AND GLOBAL PERSPECTIVES**

Tuesday, 28 May 2019 / 11:00 - 12:30 ·  **GRAND AUDITORIUM**

**Session Chair:** Christine Muller (DG CLIMA)

► ***Agriculture-related factors of climate change: a global evidence***

Jeremiás Máté Balogh (Corvinus University of Budapest, Hungary; jeremias.balogh@uni-corvinus.hu)

► ***Ruminant emissions and EU climate policy***

Alan Matthews (Trinity College Dublin, Ireland; alan.matthews@tcd.ie)

► ***Impacts of biofuel production from grassland on the European livestock sector, grassland resource use, greenhouse gas emissions and biodiversity***

David Leclere (IIASA, Austria; leclere@iiasa.ac.at), Hugo Valin (IIASA, Austria), Samantha Hill (UNEP-WCMC, UK), Stefan Frank (IIASA, Austria), Adriana De Palma (NHM, UK), Piero Visconti (IIASA, Austria), Andy Purvis (NHM, UK), Petr Havlik (IIASA, Austria)

► ***Impact of climate mitigation policies on the EU agricultural sector in the perspective of Sustainable Development Goals: An integrated modeling approach***

Stefan Frank (IIASA, Austria), Petr Havlík (IIASA, Austria; havlikpt@iiasa.ac.at), Andrzej Tabeau (Wageningen Economic Research, The Netherlands), Hans van Meijl (Wageningen Economic Research, The Netherlands), Heinz Peter Witzke (EuroCARE, Germany), Hugo Valin (IIASA, Austria), Floor Brouwer (Wageningen Economic Research, The Netherlands)

## **CASE STUDIES (LIGHT): SUSTAINABILITY IN AGRICULTURE - EUROPEAN AND GLOBAL CASE STUDIES**

Tuesday, 28 May 2019 / 11:00 - 12:30 · 📍 **LEBON ROOM**

**Session Chair:** Ignacio Pérez Domínguez (JRC)

▶ ***Farmers' preferences for grassland restoration: Evidence from France***

Marie Asma Ben-Othmen (Institut Polytechnique UniLaSalle, France), Mariia Ostapchuk (Institut Polytechnique UniLaSalle, France; mariia.ostapchuk@unilasalle.fr)

▶ ***Improving Farm Environmental Performance through Technical Assistance: Empirical Evidence on Pesticide Use***

Margaux Lapiere (French National Institute for Agricultural Research - INRA, France), Alexandre Sauquet ((French National Institute for Agricultural Research - INRA, France), Julie Subervie (French National Institute for Agricultural Research - INRA, France; julie.subervie@inra.fr)

▶ ***The increasing impact of environmental policies on agriculture: Perspectives from Norway***

Klaus Mittenzwei (NIBIO, Norway; klaus.mittenzwei@nibio.no), Lillian Øygarden (NIBIO, Norway)

▶ ***Quantifying the Yield Sensitivity of Modern Rice Varieties to Warming Temperatures: Evidence from the Philippines***

Ruixue Wang (North Carolina State University, USA), Roderick M. Reyes (North Carolina State University, USA; rmrejesu@ncsu.edu), Jesse Tack (Kansas State University, USA), Joseph V. Balagtas (Purdue University, USA), Andy Nelson (University of Twente, The Netherlands).

▶ ***Does index insurance help households recover from disaster? Evidence from IBLI Mongolia***

Kati Kraehnert (German Institute for Economic Research, Germany; kkraehnert@diw.de), Veronika Bertram-Huemmer (KfW)

▶ ***Farmers' Preferences for Water-Saving Strategies in Brazilian Eucalypt Plantations***

Gabriela Demarchi (French National Institute for Agricultural Research - INRA; gabriela.demarchi-dias@supagro.fr), Julie Subervie (Center for Environmental Economics of Montpellier - CEEM), Fernando Palha Leite (Empresa Celulose Nipo-Brasileira SA, Belo Oriente, Brazil), Jean-Paul Laclau (CIRAD, UMR EcoSols, Montpellier, France)

▶ ***Environmental effects and costs of erosion control with cover crops in European vineyards***

Rebekka Schütte (Georg-August-Universität Göttingen, Germany; rschuet2@gwdg.de), Gema Guzmán (Institute for Sustainable Agriculture-CSIC, Spain), Elke Plaas (Georg-August-Universität Göttingen, Germany), José Alfonso Gómez (Institute for Sustainable Agriculture-CSIC, Spain)

## **OTHER (LIGHT 1): ENVIRONMENTAL AMBITION AND FARMERS' RESPONSES**

Tuesday, 28 May 2019 / 11:00am - 12:30 · 📍 D'HONDT ROOM

**Session Chair:** Emmanuel Petel (DG AGRI)

### ▶ ***Path-dependencies of past and future agri-environmental policies***

Kyösti Arovuori (Pellervo Economic Research, Finland; kyosti.arovuori@ptt.fi), Heini Lehtosalo (Pellervo Economic Research, Finland), Johanna Kohl (Natural Resources Institute Finland), Tapani Yrjölä (Pellervo Economic Research, Finland), Jyrki Niemi (Natural Resources Institute Finland)

### ▶ ***What explains dairy pasture farming in Germany***

Sebastian Neuenfeldt (Thünen Institute of Farm Economics, Germany; sebastian.neuenfeldt@thuenen.de), Alexander Gocht (Thünen Institute of Farm Economics, Germany), Bernhard Osterburg (Thünen Institute of Rural Studies, Germany)

### ▶ ***Maintenance of permanent grasslands – agri-environmental protection, passive land use or constraint for the structural development?***

Ants-Hannes Viira (Estonian University of Life Sciences, Estonia; ants.viira@emu.ee), Jelena Ariva (Estonian University of Life Sciences, Estonia)

### ▶ ***Factors underlying German farmers' intention to adopt mixed cropping***

Vanessa Bonke (Georg-August-Universität Göttingen, Germany; vanessa.bonke@agr.uni-goettingen.de), Oliver Musshoff (Georg-August-Universität Göttingen, Germany)

### ▶ ***Gypsum Amendment of Arable Fields – Introducing a Socially, Economically and Environmentally Sustainable National Measure in the EU CAP Support Scheme***

Markku Ollikainen (University of Helsinki, Finland), Anna-Kaisa Kosenius (University of Helsinki, Finland; anna-kaisa.kosenius@helsinki.fi), Eliisa Punttila (University of Helsinki, Finland), Venla Ala-Harja (University of Helsinki, Finland), Petri Ekholm (Finnish Environment Institute SYKE, Finland)

### ▶ ***Improving consumer evaluation of the EU organic label: cross-country evidence on the effectiveness of logo modification***

Monika Hartmann (University of Bonn, Germany), Ching-Hua Yeh (University of Bonn, Germany), Matthew Gorton (Newcastle University, United Kingdom), Barbara Tocco (Newcastle University, United Kingdom; barbara.tocco@ncl.ac.uk), Aron Torok (Corvinus University of Budapest, Hungary)

## **CLIMATE CHANGE (2): CLIMATE CHANGE - REGIONAL PERSPECTIVE**

Tuesday, 28 May 2019 / 15:30 - 17:00 · 📍 **GRAND AUDITORIUM**

**Session Chair:** Christian Holzleitner (DG CLIMA)

▶ ***Refunding of a climate tax on meat consumption: Empirical evidence for Sweden***

Ing-Marie Gren (Swedish University of Agricultural Sciences - SLU), Lisa Höglind (Swedish University of Agricultural Sciences - SLU / Agrifood Economics Centre, Sweden; lisa.hoglund@slu.se), Torbjörn Jansson (Agrifood Economics Centre, Sweden)

▶ ***Mitigation of GHG emissions in Irish Agriculture***

Trevor Martin Donnellan (Rural Economy Development Programme Teagasc, Ireland; trevor.donnellan@teagasc.ie), Kevin F Hanrahan (Rural Economy Development Programme Teagasc, Ireland), Gary J Lanigan (Crops Environment and Land Use Programme, Teagasc, Ireland)

▶ ***Feasibility of the Nexus of Agricultural and Greenhouse Gas Emission targets in Ireland***

Lucie Adenaeuer (University College Dublin, Ireland; lucie.adenaeuer@ucd.ie), James Breen (University College Dublin, Ireland), Anne Eileen Hayden (University College Dublin, Ireland)

▶ ***Addressing climate change in agriculture with water reuse as adaptation strategy***

Jordan Hristov (European Commission, Joint Research Centre, Seville, Spain), Guna Salputra (European Commission, Joint Research Centre, Seville, Spain), Jesus Barreiro Hurlé (European Commission, Joint Research Centre, Seville, Spain; jesus.barreiro-hurle@ec.europa.eu), Maria Blanco (Technical University of Madrid, Spain), Peter Witzke (European Centre for Agricultural, Regional and Environmental Policy Research - EuroCARE, Bonn, Germany)

## **AECM (1): WHAT DO AECM ACTUALLY PROVIDE? ENVIRONMENTAL, CLIMATE AND ECONOMIC IMPACTS**

Tuesday, 28 May 2019 / 15:30 - 17:00 · 📍 **SMALL AUDITORIUM**

**Session Chair:** Andreas Gumbert (DG ENV)

▶ ***Evaluating farmers' provisioning of soil ecosystem services to inform agri-environmental policy***

**Mark V. Brady** (Swedish University of Agricultural Sciences, Sweden / Centre for Environmental and Climate Research - CEC, Lund University, Sweden; mark.brady@slu.se), **Jordan Hristov** (Joint Research Centre (JRC), European Commission, Seville, Spain), **Fredrik Wilhelmsson** (AgriFood Economics Centre, Lund University, Sweden), **Katarina Hedlund** (Centre for Environmental and Climate Research - CEC, Lund University, Sweden / Department of Biology, Lund University, Sweden)

▶ ***Estimating the Effects of Agri-Environmental Measures Using Difference-in-Difference Coarsened Exact Matching***

**Danilo Bertoni** (University of Milan, Italy), **Daniele Curzi** (University of Milan, Italy; daniele.curzi@unimi.it), **Giacomo Aletti** (University of Milan, Italy), **Alessandro Olper** (University of Milan, Italy)

▶ ***Ecology impact of Greening and the Agri-Environmental and Climate Measures (AECM) – An ecological-economic modelling approach for the federal state of Lower Saxony, Germany***

**Sebastian Lakner** (Department for Agricultural Economics and Rural Development, University of Göttingen; slakner@gwdg.de), **Carsten Holst** (Department for Agricultural Economics and Rural Development, University of Göttingen), **Guy Pe'er** (sDiv - Synthesis Centre of the German Centre for Integrative Biodiversity Research - iDiv, Halle-Jena-Leipzig)

▶ ***Impact of agri-environmental scheme of the Common Agricultural Policy on agricultural employment***

**Maria Garrone** (LICOS Centre for Institution and Economic Performance & Department of Economics, KU Leuven, Belgium), **Dorien Emmers** (LICOS Centre for Institution and Economic Performance & Department of Economics, KU Leuven, Belgium; dorien.emmers@kuleuven.be), **Alessandro Olper** (LICOS Centre for Institution and Economic Performance & Department of Economics, KU Leuven, Belgium / Department of Environmental Science and Policy, University of Milan, Italy), **Johan Swinnen** (LICOS Centre for Institution and Economic Performance & Department of Economics, KU Leuven, Belgium)

## **CAP (1): CAP IMPACTS IN THE PAST - WHAT CAN BE LEARNED FOR THE FUTURE?**

Tuesday, 28 May 2019 / 17:15 - 18:45 · 📍 GRAND AUDITORIUM

**Session Chair:** Mike Mackenzie (DG AGRI)

### ► ***Disentangling the environmental impact of the CAP pillars: a Propensity Score Matching approach to 2008-2013 FADN data***

**Riccardo D'Alberto** (Alma Mater Studiorum - University of Bologna, Italy - Department of Statistical Sciences "P. Fortunati"; riccardo.dalberto@unibo.it), **Matteo Zavalloni** (Alma Mater Studiorum - University of Bologna, Italy - Department of Agricultural and Food Sciences - DISTAL), **Meri Raggi** (Alma Mater Studiorum - University of Bologna, Italy - Department of Statistical Sciences "P. Fortunati"), **Davide Viaggi** (Alma Mater Studiorum - University of Bologna, Italy - Department of Agricultural and Food Sciences - DISTAL)

### ► ***The Common Agricultural Policy aggravates eutrophication in the Baltic Sea***

**Torbjörn Gunnar Jansson** (Swedish university of agricultural sciences, Sweden; torbjorn.jansson@slu.se), **Lisa Höglind** (Swedish university of agricultural sciences, Sweden), **Hans Estrup Andersen** (Aarhus University, Denmark), **Berit Hasler** (Aarhus University, Denmark), **Bo Gustafsson** (Stockholm University, Sweden)

### ► ***Recovering from the forest disaster: Do CAP payments matter under the absence of forest disaster payments?***

**Ilkay Unay-Gailhard** (Leibniz Institute of Agricultural Development in Transition Economies - IAMO; unaygailhard@iamo.de), **Stefan Bojnec** (Faculty of Management, University of Primorska)

### ► ***Impact of the measures introduced with the 2014-2020 CAP reform on the production of legumes and associated externalities in the Emilia Romagna region: A DID-Matching Approach***

**Francesco Galioto** (Department of Agricultural and Food Sciences, University of Bologna, Italy; francesco.galioto@unibo.it), **Meri Raggi** (Department of Statistical Sciences, University of Bologna, Italy), **Riccardo D'Alberto** (Department of Statistical Sciences, University of Bologna, Italy), **Davide Viaggi** (Department of Agricultural and Food Sciences, University of Bologna, Italy)

## **CLIMATE CHANGE (LIGHT): CLIMATE CHANGE AND EU AGRICULTURE**

Tuesday, 28 May 2019 / 17:15 - 18:45 · 📍 **SMALL AUDITORIUM**

**Session Chair:** Simon Kay (DG CLIMA)

▶ ***A global economic evaluation of GHG mitigation policies for agriculture***

Benjamin Byron Henderson (OECD, France; ben.henderson@oecd.org), Monika Verma (OECD, France), Andrzej Tabeau (OECD, France), Hans van Meijl (OECD, France)

▶ ***Global carbon taxes in agriculture: The prize of a multilateral agreement***

Torbjörn Jansson (Department of Economics, Swedish University of Agricultural Sciences - SLU) / AgriFood Economics Centre, Uppsala, Sweden), Hyung Sik Choi (Department of Economics, Swedish University of Agricultural Sciences - SLU) / AgriFood Economics Centre, Uppsala, Sweden; hyungsik.choi@slu.se), Ida Nordin (Department of Economics, Swedish University of Agricultural Sciences - SLU) / AgriFood Economics Centre, Uppsala, Sweden)

▶ ***Impact of Border Carbon Adjustments on Agricultural Emissions – Can Tariffs Reduce Carbon Leakage?***

Ida Nordin (SLU, Sweden), Fredrik Wilhelmsson (Lund University, Sweden), Torbjörn Jansson (SLU, Sweden), Thomas Fellmann (European Commission, Joint Research Centre, Spain; Thomas.FELLMANN@ec.europa.eu), Jesús Barreiro-Hurle (European Commission, Joint Research Centre, Spain), Mihaly Himics (European Commission, Joint Research Centre, Spain)

▶ ***What role for European agriculture in 'net-zero' climate policy?***

John Michael Lynch (University of Oxford, United Kingdom; john.lynch@physics.ox.ac.uk), Michelle Cain (University of Oxford, United Kingdom)

▶ ***Agricultural climate change mitigation options and the potential contribution of biofuels to climate change mitigation in the transport sector***

Marcel Adenauer (OECD, Paris, France; marcel.adenauer@oecd.org), Celine Giner (OECD, Paris, France), Deepayan Debnath (University of Missouri, Columbia, USA)

▶ ***Biofuel versus protein policies: what best strategy for self-sufficiency and climate mitigation in the EU?***

Yaw Sasu-Boakye (Chalmers University of Technology, Gothenburg, Sweden), Hugo Valin (International Institute for Applied Systems Analysis, Laxenburg, Austria; valin@iiasa.ac.at), Stefan Wirsenius (Chalmers University of Technology, Gothenburg, Sweden), Petr Havlik (International Institute for Applied Systems Analysis, Laxenburg, Austria), Fredrik Hedenus (Chalmers University of Technology, Gothenburg, Sweden), Stefan Frank (International Institute for Applied Systems Analysis, Laxenburg, Austria), Mario Herrero (Commonwealth Scientific and Industrial Research Organisation, St Lucia, Australia)

▶ ***How do Western European farms behave and respond to climate change? A simultaneous irrigation-crop decision model***

Steven Van Passel (University of Antwerp, Belgium), Janka Vanschoenwinkel (Hasselt University, Belgium / VITO, Belgium), Mark Vancauteran (Hasselt University, Belgium)

## **CAP (2): THE FUTURE CAP - CORNERSTONES, DESIGN, NUDGES, AND POSSIBLE IMPACTS**

Wednesday, 29 May 2019 / 8:30am - 10:00am · 📍 GRAND AUDITORIUM

**Session Chair:** Mariusz Migas (DG AGRI)

▶ ***“Agricultural policy for the environment or environmental policy for agriculture?” - Myths and reality***

Alfons Balmann (IAMO, Germany; balmann@iamo.de), Franziska Appel (IAMO, Germany), Florian Heinrich (IAMO, Germany), Christine Pitson (IAMO, Germany)

▶ ***Putting sustainability at the core of the future CAP: the new eco scheme, a meaningful tool for enhancing the environmental and climate performance of the CAP or an empty box to hide the status quo?***

Kaley Hart (Institute for European Environmental Policy, United Kingdom; khart@ieep.eu), David Baldock (Institute for European Environmental Policy, United Kingdom), Stephen Meredith (Institute for European Environmental Policy, United Kingdom), Faustine Bas-Defosse (Institute for European Environmental Policy, United Kingdom), David Mottershead (Institute for European Environmental Policy, United Kingdom)

▶ ***Using behavioral insights to inform agricultural policies***

Fabian Thomas (University of Osnabrueck, Germany; fabian.thomas@uni-osnabrueck.de), Ann-Kathrin Koessler (University of Osnabrueck, Germany), Stefanie Engel (University of Osnabrueck, Germany)

▶ ***Going organic with the CAP? Regional and global economic impacts of reduced fertilizer and pesticide use in EU agriculture***

Jonas Kathage (European Commission Joint Research Centre, Spain), Mihaly Himics (European Commission Joint Research Centre, Spain; mihaly.himics@ec.europa.eu), Thomas Fellmann (European Commission Joint Research Centre, Spain)

## **OTHER (1): INSTITUTIONAL ASPECTS IN ASSESSING AGRI-ENVIRONMENTAL PERFORMANCE**

Wednesday, 29 May 2019 / 8:30am - 10:00am · 📍 **D'HONDT ROOM**

**Session Chair:** Giampiero Genovese (JRC)

### ▶ ***Costs and benefits of collecting farm data for the new CAP's data needs: empirical evidence***

Hans Vrolijk (Wageningen University and Research, The Netherlands; hans.vrolijk@wur.nl), Krijn Poppe (Wageningen University and Research, The Netherlands)

### ▶ ***Production intensity and environmental performance in Swiss alpine dairy farming: how do they relate?***

Pierrick Jan (Agroscope, Research Division Competitiveness and System Evaluation, Farm Economics Research Group, Tänikon 1, 8356 Ettenhausen, Switzerland; pierrick.jan@agroscope.admin.ch), Nina Repar (Agroscope, Research Division Competitiveness and System Evaluation, Farm Economics Research Group, Tänikon 1, 8356 Ettenhausen, Switzerland), Thomas Nemecek (Agroscope, Research Division Agroecology and Environment, Life Cycle Assessment Research Group, Reckenholzstrasse 191, 8046 Zurich, Switzerland), Dunja Dux (Agroscope, Research Division Competitiveness and System Evaluation, Farm Economics Research Group, Tänikon 1, 8356 Ettenhausen, Switzerland)

### ▶ ***Cooperation and farmer knowledge in the European Innovation Partnership: a case study from Ireland***

Jack McCarthy (Teagasc; jack.mccarthy@teagasc.ie), David Meredith (Teagasc), Christine Bonnin (University College Dublin)

### ▶ ***Restoring cultivated agrobiodiversity: the role of Knowledge Governance within Peasant Seed Networks. an IAD perspective***

Armelle Mazé (Université Paris Saclay, INRA SADAPT, AgroParisTech, France; maze@agroparistech.fr), Aida Calabuig Domenech (Université Paris Saclay, INRA SADAPT, AgroParisTech, France), Isabelle Goldringer (GQE Le Moulon, INRA, Université Paris Saclay)

## **OTHER (LIGHT 2): THE DIVERSITY OF APPROACHES TO EVALUATE ENVIRONMENTAL AMBITION IN AGRICULTURAL POLICY**

Wednesday, 29 May 2019 / 8:30am - 10:00am ·  **LEBON ROOM**

### ► **Model and Data Requirements for an Integrated Model Assessment of Climate Policies**

Martin Banse (Thuenen Institute, Germany; martin.banse@thuenen.de), Petra Salamon (Thuenen Institute, Germany), Floor Brouwer (Wageningen Economic Research, Netherlands), Jesus Barreiro-Hurle (European Commission, Joint Research Centre, Spain), Maria Blanco (Technical University of Madrid), Alexander Gocht (Thuenen Institute, Germany), Petr Havlik (IIASA, Austria), Torbjorn Jansson (Sveriges Lantbruksuniversitet, Sweden), Roel Jongeneel (Wageningen Economic Research, Netherlands), Jan-Peter Lesschen (Wageningen Environmental Research, Netherlands), Ignacio Perez-Dominguez (European Commission, Joint Research Centre, Spain), Myrna van Leeuwen (Wageningen Economic Research, Netherlands), Hans van Meijl (Wageningen Economic Research, Netherlands), Peter Witzke (Eurocare, Germany)

### ► **Modelling Individual Decisions to Support the European Policies related to agriculture (MIND STEP)**

John Helming (Wageningen University and Research WUR, The Netherlands; john.helming@wur.nl), Hans Vrolijk (Wageningen University and Research WUR, The Netherlands), Hans van Meijl (Wageningen University and Research WUR, The Netherlands)

### ► **Using deliberative societal metabolism analysis to analyse CAP's delivery of EU sustainability and climate change objectives**

K. B. Matthews (The James Hutton Institute, United Kingdom; keith.matthews@hutton.ac.uk), K.L. Blackstock (The James Hutton Institute, United Kingdom), K. A. Waylen (The James Hutton Institute, United Kingdom), A. Juarez-Bourke (The James Hutton Institute, United Kingdom), M. Rivington (The James Hutton Institute, United Kingdom), D. G. Miller (The James Hutton Institute, United Kingdom), D. Wardell-Johnson (The James Hutton Institute, United Kingdom), V. Cabello (Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, Catalunya), Z. Kovacic (Centre for the Study of the Sciences and the Humanities - SVT, University of Bergen, Norway), A. F. Renner (Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, Catalunya), M. Ripa (Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, Catalunya), M. Giampietro (Institut de Ciència i Tecnologia Ambientals, Universitat Autònoma de Barcelona, Catalunya / (Institució Catalana de Recerca i Estudis Avançats - ICREA, Barcelona, Catalunya)

### ► **Adoption of cover crops for climate change mitigation in the EU – new insights from farm surveys**

Jonas Kathage (European Commission, Spain; jonas.kathage@ec.europa.eu), Bert Smit (Wageningen Economic Research), Bas Janssens (Wageningen Economic Research), Wiepie Haagsma (Wageningen Plant Research), Jose Luis Adrados (Kantar TNS)

### ► **Legume production challenged by European policy coherence: A case-study approach from French and German dairy farms**

Julia Jouan (SMART LERECO, Agrocampus Ouest, INRA, 35000 Rennes, France), Julia Heinrichs (Institute for Food and Resource Economics, University of Bonn, 53115, Bonn, Germany; julia.heinrichs@ilr.uni-bonn.de), Wolfgang Britz (Institute for Food and Resource Economics, University of Bonn, 53115, Bonn, Germany), Christoph Pahmeyer (Institute for Food and Resource Economics, University of Bonn, 53115, Bonn, Germany)

### ► **European grain futures reaction to weather shocks: Wheat and maize futures contracts in the face of abnormal weather conditions**

Guillaume Pierre (La Sapienza University of Rome; guillaume.pierre.econ@gmail.com), Stefan Trueck (Macquarie University), Rita D'Ecclesia (La Sapienza University of Rome), Pierluigi Montalbano (La Sapienza University of Rome)

**AECM (2): DESIGNING THE ENVIRONMENT AND CLIMATE COMMITMENTS OF THE FUTURE - WHERE CAN WE IMPROVE?**

Wednesday, 29 May 2019 / 13:30 - 15:00 · 📍 GRAND AUDITORIUM

**Session Chair:** Benjamin Van Doorslaer (DG AGRI)

▶ ***Do farmers follow the herd? The influence of social norms on the participation in agri-environmental schemes***

**Philippe LE COENT** (CEE-M, Univ Montpellier, CNRS, INRA, Montpellier SupAgro, Montpellier, France / BRGM, Univ Montpellier, Montpellier, France), **Raphaële PREGET** (BRGM, Univ Montpellier, Montpellier, France / INRA; raphael.e.preget@inra.fr), **Sophie THOYER** (CEE-M, Univ Montpellier, CNRS, INRA, Montpellier SupAgro, Montpellier, France / IRSTEA)

▶ ***Group incentives in Agri-Environmental Schemes***

**Matteo Zavalloni** (University of Bologna, Department of Agricultural and Food Sciences - DISTAL; matteo.zavalloni@unibo.it), **Riccardo D'Alberto** (University of Bologna, Department of Statistical Sciences), **Meri Raggi** (University of Bologna, Department of Statistical Sciences), **Davide Viaggi** (University of Bologna, Department of Agricultural and Food Sciences - DISTAL)

▶ ***Should agri-environmental schemes aim at coordinating farmers' pro-environmental practices? A review of the literature***

**Laure Kuhfuss** (The James Hutton Institute, Invergowrie, Dundee DD2 5DA, Scotland, United Kingdom), **Graham Begg** (The James Hutton Institute, Invergowrie, Dundee DD2 5DA, Scotland, United Kingdom), **Sharon Flanigan** (The James Hutton Institute, Craigiebuckler, Aberdeen AB15 8QH, Scotland, United Kingdom), **Cathy Hawes** (The James Hutton Institute, Invergowrie, Dundee DD2 5DA, Scotland, United Kingdom), **Simone Piras** (The James Hutton Institute, Craigiebuckler, Aberdeen AB15 8QH, Scotland, United Kingdom; Simone.Piras@hutton.ac.uk)

▶ ***Linking direct payments to green outcomes – designing and testing points- and landscape based farm remuneration in the CAP***

**Peter H. Feindt** (Humboldt University at Berlin, Germany; peter.feindt@hu-berlin.de)

## **OTHER (2): DATA AND SPATIAL MODELLING OF ENVIRONMENTAL OUTPUT**

Wednesday, 29 May 2019 / 13:30 - 15:00 · 📍 **SMALL AUDITORIUM**

**Session Chair:** Fabien Santini (DG AGRI)

### ▶ ***Linkage of economic and bio-physical data for a more targeted agricultural and environmental policy in the EU***

Jörg Rieger (Thuenen Institute of Farm Economics, Germany; joerg.rieger@thuenen.de), Alexander Gocht (Thuenen Institute of Farm Economics, Germany), Markus Kempen (University of Bonn, Institute for Food and Resource Economics, Bonn, Germany), Maria Bielza (Joint Research Centre, Ispra, Italy), Jean-Michel Terres (Joint Research Centre, Ispra, Italy), Sebastian Neuenfeldt (Thuenen Institute of Farm Economics, Germany)

### ▶ ***Heterogeneous Impacts of CAP Greening on Farmland Uses: Evidence from Big Data***

Danilo Bertoni (Università degli Studi di Milano, Italy; danilo.bertoni@unimi.it), Giacomo Aletti (Università degli Studi di Milano, Italy), Alessandra Micheletti (Università degli Studi di Milano, Italy), Daniele Cavicchioli (Università degli Studi di Milano, Italy), Roberto Pretolani (Università degli Studi di Milano, Italy)

### ▶ ***Decoupling and greenhouse gas emission in CGE models. Does parametrisation matter?***

Pierre Boulanger (European Commission, Joint Research Centre; pierre.boulanger@ec.europa.eu), Kirsten Boysen-Urban (Hohenheim University, Hans-Ruthenberg-Institute of Agricultural Sciences in the Tropics), George Philippidis (European Commission, Joint Research Centre / Aragonese Agency for Research and Development - ARAID, Centre for Food Research and Technology - CITA)

### ▶ ***Small is beautiful? Is there a relation between farmed area and the ecological output? - Results from evaluation studies in Germany***

Andrea Ackermann (Thünen Institute for Rural Studies, Germany; andrea.ackermann@thuenen.de), Norbert Röder (Thünen Institute for Rural Studies, Germany), Sarah Baum (Thünen Institute for Rural Studies, Germany), Sebastian Rudolph (Thünen Institute for Rural Studies, Germany), Thomas Schmidt (Thünen Institute for Rural Studies, Germany), Karin Reiter (Thünen Institute for Rural Studies, Germany)

### **AECM (3): WHAT DOES SOCIETY EXPECT FROM AECM – FARMERS, CITIZENS AND POLICY MAKERS**

Wednesday, 29 May 2019 / 15:30 - 17:00 · 📍 GRAND AUDITORIUM

▶ ***Eco-Schemes: Golden bullet or an additional unnecessary gadget - Challenges for a federal state to implement eco-schemes efficiently***

Maren Birkenstock (Thuenen Institute of Rural Studies, Germany; maren.birkenstock@thuenen.de),  
Norbert Röder (Thuenen Institute of Rural Studies, Germany)

▶ ***Does Demand Equal Supply in Ecosystem Service Provision? – Evidence from Finland***

Annika Tienhaara (Natural Resources Institute Finland), Emmi Haltia (Pellervo Economic Research, Finland), Eija Pouta (Natural Resources Institute Finland), Kyösti Arovuori (Pellervo Economic Research, Finland; kyosti.arovuori@ptt.fi), Ioanna Grammatikopoulou (Natural Resources Institute Finland), Antti Miettinen (Natural Resources Institute Finland), Kauko Koikkalainen (Natural Resources Institute Finland), Heini Ahtiainen (Natural Resources Institute Finland), Janne Artell (Natural Resources Institute Finland)

▶ ***Structural change and participation in agri-environmental programs – empirical evidence from Germany***

Carsten Holst (University of Göttingen, Germany; cholst@gwdg.de)

▶ ***Safeguarding Natura 2000 habitats from nitrogen deposition by tackling ammonia emissions from livestock facilities***

David De Pue (Ghent University, Belgium; David.DePue@Ugent.be), Jeroen Buysse (Ghent University, Belgium)

**INCOME: ECONOMIC AND INCOME ATTRIBUTES OF ENHANCING ENVIRONMENTAL PERFORMANCE**

Wednesday, 29 May 2019 / 15:30 - 17:00 · 📍 **SMALL AUDITORIUM**

**Session Chair:** Sophie Helaine (DG AGRI)

► **Public money for environmental public goods (that enhance farm incomes): a proposal for an evidence-based approach in Italy**

**Stefano Ciliberti** (University of Perugia, Italy; stefano.ciliberti@unipg.it), **Angelo Frascarelli** (University of Perugia, Italy)

► **The role of agri-environment payments in enhancing farm income: a dynamic panel analysis in Italy**

**Simone Severini** (Università della Tuscia - DAFNE, Italy; severini@unitus.it), **Luigi Biagini** (Università della Tuscia - DEIM, Italy), **Federico Antonioli** (Università della Tuscia - DAFNE, Italy)

► **Marginal cost estimation of agricultural output and ecosystem services**

**Enikő Vigh** (Research Institute of Agricultural Economics, Hungary), **Krisztina Miskó** (Research Institute of Agricultural Economics, Hungary; misko.krisztina@aki.gov.hu), **József Fogarasi** (Research Institute of Agricultural Economics, Hungary / Partium Christian University, Romania)

► **Greening the CAP: what implication of crop diversification for farming systems in economic terms**

**Nosra Ben Fradj** (Institute of Soil Science and Plant Cultivation, Dept. of Bioeconomy and Systems Analysis, 24-100 Pulawy, Poland), **Pierre-Alain Jayet** (UMR Economie Publique, INRA, AgroParisTech, Université Paris-Saclay, 78850 Thiverval-Grignon, France), **Stelios Rozakis** (Institute of Soil Science and Plant Cultivation, Dept. of Bioeconomy and Systems Analysis, 24-100 Pulawy, Poland / School of Environmental Engineering, Technical University of Crete, Akrotiri, Chania Crete, 73100, Greece; srozakis@iung.pulawy.pl), **Eleni Georganta** (International Hellenic University, 14th km Thessaloniki - Moudounia, 57001 Thermi, Greece), **Ania Je drejek** (Institute of Soil Science and Plant Cultivation, Dept. of Bioeconomy and Systems Analysis, 24-100 Pulawy, Poland), **Kozak Malgorzata** (Institute of Soil Science and Plant Cultivation, Dept. of Bioeconomy and Systems Analysis, 24-100 Pulawy, Poland)

## **AECM (LIGHT): AECM - SPECIFIC ISSUES AND INDIVIDUAL SCHEME EVALUATIONS**

Wednesday, 29 May 2019 / 17:15 - 18:45 · 📍 **SMALL AUDITORIUM**

▶ ***The legitimacy of result-oriented and action-oriented agri-environmental schemes: The comparison of landowners' and citizens' perceptions***

**Annukka Vainio** (University of Helsinki, Finland), **Annika Tienhaara** (Natural Resources Institute Finland, Finland; annika.tienhaara@luke.fi), **Emmi Haltia** (Pellervo Economic Research Institute, Finland), **Terho Hyvönen** (Natural Resources Institute Finland, Finland), **Jarkko Pyysiäinen** (Natural Resources Institute Finland, Finland), **Eija Pouta** (Natural Resources Institute Finland, Finland)

▶ ***Does the new "Green Architecture" of the CAP provide a chance for the conservation of Lapwings (Vanellus vanellus)? Findings from discrete choice experiments with German arable farmers***

**Christoph Buschmann** (Thünen Institute of Rural Studies, Germany; christoph.buschmann@thuenen.de), **Norbert Röder** (Thünen Institute of Rural Studies, Germany)

▶ ***Microplastics in agricultural soils: a new challenge not only for agro-environmental policy?***

**Martin Henseler** (Thünen Institute of Rural Studies, Germany; martin.henseler@thuenen.de), **Elke Brandes** (Thünen Institute of Rural Studies, Germany), **Peter Kreins** (Thünen Institute of Rural Studies, Germany)

▶ ***A valuation-based approach for irrigated agroecosystem services***

**José A. Zabala** (Universidad Politécnica de Cartagena, Spain; joseangel.zabala@upct.es), **Cristina Marín-Miñano** (Universidad Politécnica de Cartagena, Spain), **José A. Albaladejo-García** (Universidad de Murcia, Spain), **Erasmus I. López-Becerra** (Universidad Politécnica de Cartagena, Spain), **M. D. de Miguel** (Universidad Politécnica de Cartagena, Spain), **José M. Martínez-Paz** (Universidad de Murcia, Spain), **Francisco Alcon** (Universidad Politécnica de Cartagena, Spain)

▶ ***Agricultural policy evaluation using farm-level data***

**Reinhard Uehleke** (University of Bonn, Germany; r.uehleke@ilr.uni-bonn.de), **Martin Petrick** (University of Giessen, Germany), **Silke Hüttel** (University of Bonn, Germany)

## **CAP (LIGHT): CAP IMPACTS AND THEIR MEASUREMENT**

Wednesday, 29 May 2019 / 17:15 - 18:45 · 📍 GRAND AUDITORIUM

**Session Chair:** Florence Buchholzer (DG AGRI)

► **Indicators everywhere: The new accountability of agricultural policy?**

Christine Wieck, Isabell Hausmann

► **Possible economic and environmental impacts from changes to the coupled beef support payments for EU beef production**

Anne Hayden (UCD, Ireland; anne.hayden@ucdconnect.ie), Dr. Torbjorn Jansson (SLU), Lisa Hoglind (SLU), Dr. James Breen (UCD, Ireland)

► **Productivity impact of CAP Pillar II payments in the EU28**

Mauro Vigani (CCRI - University of Gloucestershire, United Kingdom; mvigani@glos.ac.uk), Daniele Curzi (University of Milano)

► **Regulating ammonia emissions within Common Agricultural Policy: Costs and benefits**

Elias Giannakis (The Cyprus Institute, Energy Environment and Water Research Center, Cyprus; e.giannakis@cyi.ac.cy), Jonilda Kushta (The Cyprus Institute, Energy Environment and Water Research Center, Cyprus), George K. Georgiou (The Cyprus Institute, Energy Environment and Water Research Center, Cyprus), Adriana Bruggeman (The Cyprus Institute, Energy Environment and Water Research Center, Cyprus), Jos Lelieveld (The Cyprus Institute, Energy Environment and Water Research Center, Cyprus / Max Planck Institute for Chemistry, Atmospheric Chemistry Department, Germany)

► **CAP regionalization trade-off analysis: environmental versus socioeconomic priorities**

Dimitris Kremmydas (Dept. of Agricultural Economics, Agricultural University of Athens, Greece; kremmydas@aua.gr), Athanasios Kampas (Dept. of Agricultural Economics, Agricultural University of Athens, Greece), Stelios Rozakis (Dept. Bioeconomy and Systems Analysis, IUNG, Poland), George Vlachos (Dept. of Agricultural Economics, Agricultural University of Athens, Greece)

