

## IFSA 2018 Symposium Session Programme

**Monday, July 2nd, 2018**

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.1 **Livestock/dairy**

Room **Democritus; Monday, July 2 | 11:00-12:30**

Chair **Eelke Wielinga**

- **Livestock farming systems and society: identification and analysis of key controversies from the perspective of different stakeholders**  
*Elsa Delanoue, Anne-Charlotte Dockès, Christine Roguet*
- **Alternative trajectories of dairy farmers reveal their embeddedness in the mainstream dairying and articulation with structural dynamics**  
*Véronique De Herde, Philippe V. Baret*
- **Forms of territorial embeddedness in dairy value chains. Case of the Chartreuse massif (French Alps): geographical and historical perspectives**  
*Sophie Madelrieux, Agnès Bergeret, Laurent Fillion*
- **The Kenyan dairy sector: stakeholder roles and relationships, and their impact on milk quality**  
*Simon Nyokabi, Simon Oosting, Bockline Bebe, Lisette Phelan, Bernard Bett, Johanna Lindahl, Imke de Boer*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.9 **The role of Localised AgriFood Systems and place-based products in the transition pathways towards sustainable agrifood systems: LAFs and territorial resources**

Room **Thales; Monday, July 2 | 11:00-12:30**

Chair **François Casabianca**

- **Collective (family) human capital and transition towards multifunctional agriculture in localized agrifood systems**  
*Luigi Simeone, Luca Bartoli, Marcello De Rosa*
- **How does decentralization of pasture management affect the local communities? Evolution and perspectives from Southeast Albania**  
*Florjan Bombaj, Dominique Barjolle, François Casabianca, Theodosia Anthopoulou*
- **Integrated supply-chain projects and multifunctional local development: The creation of a Perfumes Valley in Tuscany**  
*Silvia Scaramuzzi, Giovanni Belletti, Paola Biagioni*
- **By-products from raising small ruminants: an analysis based on the “baskets of goods” theory – A comparative study of Corsica, Sardinia and Morocco**  
*Nicolas Lacombe, François Casabianca*

Theme 3 **Integrating science, technology, policy and practice**

Session 3.1 **Co-production approaches I**

Room **Theophrastus; Monday, July 2 | 11:00-12:30**

Chair **Julie Ingram**

- **Integrating social science and agricultural practice through serious gaming – perspectives on benefits and challenges**  
*Therese Asplund, Tina-Simone Neset, Janina Käyhkö, Lotten Wiréhn, Sirkku Juhola*
- **Participatory socio-economic scenario development for land use change: a methodological approach**  
*Rike Stotten, Markus Schermer, Ulrich Strasser, Gertraud Meißl, Thomas Marke, Kristian Förster, Herbert Formayer*
- **The potential of digital platforms to facilitate the diffusion of diversification strategies in agriculture**  
*Emilia Schmitt, Seraina Schwab, Fabienne Vukotic, Isabel Jaisli*
- **Facilitating the collaboration of practitioner and scientific knowledge: experiences from an Australian action research intervention**  
*Jana-Axinja Paschen, Jim Shovelton, Andrea Evers, Carole Hollier, Ruth Nettle, Margaret Ayre, Barbara King, Nicole Reichelt*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.1 **Advisory services and farmers' decision making: Better understanding farmers' decision making**

Room **Heraclitus; Monday, July 2 | 11:00-12:30**

Chair **Pierre Labarthe**

- **Using the Theory of Planned Behaviour framework to understand Tasmanian farmer decision making and adoption of pasture management practices to inform future extension**  
*Alison Hall, Lydia Turner, Sue Kilpatrick*
- **Advisory role in farmers' micro systems of agricultural knowledge and innovation (microAKIS)**  
*Pierre Labarthe, Lee-Ann Sutherland, Boelie Elzen, Anda Adamsone-Fiskovica*
- **Motivations for Swiss lowland farmers to conserve biodiversity: Can individual beliefs be influenced by on-farm advice?**  
*Vanessa Gabel, Robert Home, Matthias Stolze, Lukas Pfiffner, Simon Birrer, Ulrich Köpke*
- **Nutrient management planning and water protection efficiency: examining the farmers' attitudes towards using soil testing as a nutrient management tool**  
*Evgenia Micha, John Lynch*

**Theme 1 Learning and knowledge systems, education, extension and advisory services**

**Session 1.4 Learning, participatory methods, system thinking, design: AKIS design**

Room **Pythagoras**; Monday, July 2 | 11:00-12:30

Chair **Chris Blackmore**

- **Developing learning systems for addressing uncertainty in farming, food and environment: what has changed in recent times?**  
*Chris Blackmore, Nadarajah Sriskandarajah, Ray Ison*
- **Learning from the developmental history of sustainable farming initiatives**  
*Laure Triste, Joke Vandenabeele, Ludwig Lauwers, Fleur Marchand*
- **Agroecological transition: human skills and social life matter for local actors**  
*Gwen Christiansen, Jean Simonneaux, Laurent Hazard*
- **Reaping the rewards of learning within agricultural knowledge systems: An account of a PhD learning system**  
*Catherine Seale, Andy Lane, Chris High, Áine Macken-Walsh, Martin Reynolds*

**Theme 2 Agroecology and new farming arrangements**

**Session 2.8 Farming system transitions to balance food production and sustainability: Perspectives from farm to landscape scale, actors and land use, drivers and constraints**

Room **Socrates**; Monday, July 2 | 11:00-12:30

Chair **Katharina Schmidt**

- **Assessing sustainable intensification at landscape scale: four case studies in Europe**  
*Etienne Polge, Marta Debolini*
- **Streamlining transition towards Sustainable Intensification: The role of societal context and knowledge brokerage**  
*Katharina Schmidt, Lorena Tudela Marco, Anita Beblek*
- **Farmers' choices of adopting and coupling strategies of sustainable intensification – Evidence from European farm level data**  
*Meike Weltin, Ingo Zasada*

**Theme 5 Sustainable agrifood systems, value chains and power structures**

**Session 5.2 Transition pathways**

Room **Democritus**; Monday, July 2 | 13:00-14:30

Chair **Ika Darnhofer**

- **Power and politics in agri-food sustainability transitions**  
*Hamid El Bilali, Michael Hauser, Maria Wurzinger, Andreas Melcher, Lorenz Probst*
- **Creating the conditions for a transition towards more sustainable farming systems: a participatory approach with prospective scenarios**  
*Clémentine Antier, Timothée Petel, Philippe V. Baret*

- **New local food systems in the Andes and their contribution to recognition of peasantries: the case of community baskets and citizen markets in the province of Chimborazo, Ecuador**  
*Claire Heinisch*
- **Transforming agri-food systems for Agroecology development: exploring conditions of success in European case studies**  
*Marc Moraine, Sarah Lumbroso, Xavier Poux*

Theme 5 **Sustainable agrifood systems, value chains and power structures**  
Session 5.10 **The role of Localised AgriFood Systems and place-based products in the transition pathways towards sustainable agrifood systems: Interaction between LAFS and GI place-based productions**  
Room **Thales**; Monday, July 2 | 13:00-14:30  
Chair **Andrea Marescotti**

- **Localized AgriFood Systems dynamics and Geographical Indications as ways to reinforce food systems' sustainability? Case studies in Mongolia and Peru**  
*Stéphane Fournier, Blandine Arvis, Fanny Michaud*
- **Are geographical indications heading towards more environment-friendly Product Specifications? An analysis of PDO-PGI amendments in the fruit and vegetable sector**  
*Xiomara F. Quinones-Ruiz, Hanna Forster, Andrea Marescotti, Marianne Penker, Giovanni Belletti, Silvia Scaramuzzi, Kristina Broscha, Christine Altenbuchner*
- **Protected Designation of Origin and spatial justice. Insights from Ossau-Iraty (French Pyrenees) and Brocciu (Corsica Island)**  
*Morgane Millet, François Casabianca*

Theme 3 **Integrating science, technology, policy and practice**  
Session 3.2 **Co-production approaches II**  
Room **Theophrastus**; Monday, July 2 | 13:00-14:30  
Chair **Therese Asplund**

- **Using a co-innovation approach to accelerate the development of dairy sheep enterprises in New Zealand**  
*David Stevens, Linda Samuelsson, Sue McCoard, Li Day, Wayne Young, Natalie Bartlett, William Konui, Peter Gatley, Nick Hammond, Thomas MacDonald, Miles King, Jazz Hewittson*
- **Agricultural knowledge and systems in Basilicata, southern Italy: key actors and implementation of dialogue**  
*Maria Assunta D'Oronzio, Giuseppina Costantini*
- **Evaluating interactive innovation processes: towards a developmental-oriented analytical framework**  
*Simona Cristiano, Patrizia Proietti*
- **The implementation of vine varieties testing in Languedoc: a watershed in the production of knowledge?**  
*Sophie Tabouret*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.2 **Advisory services and farmers' decision making: Pluralistic advisory systems and farmers' decision making**

Room **Heraclitus**; Monday, July 2 | 13:00-14:30

Chair **Ruth Nettle**

- **Assessment of pluralistic advisory services: A case of Madhupur Sal forest in Bangladesh**  
*Khondokar Humayun Kabir, Andrea Knierim, Ataharul Huq Chowdhury*
- **Knowledge and innovation in the agrifood supply chain: Old metaphors and new research directions**  
*Evangelos D. Lioutas, Chrysanthi Charatsari, Marcello De Rosa, Giuseppe La Rocca*
- **The advisory and extension system in Australia: Opportunities for strength in pluralism**  
*Ruth Nettle, Margaret Ayre, Barbara King, Nathan La, Jana-Axinja Paschen, Nichole Reichelt, Erin Smith*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.5 **Learning, participatory methods, system thinking, design: New roles of extension & research**

Room **Pythagoras**; Monday, July 2 | 13:00-14:30

Chair **Thomas Aenis**

- **A device for sharing knowledge and experiences on experimental farm station to sustain the agroecological transition**  
*Juliette Anglade, Matthieu Godfroy, Xavier Coquil*
- **Assessing the role of the research in the transition to organic farming by using the Actor Network Theory: lessons from two case studies in France and Bulgaria**  
*Sylvain Quiédeville, Petya Slavova, Jean-Marc Touzard, Dominique Barjolle*
- **Transforming higher education: How universities can engage with stakeholders**  
*Maria Wurzinger, Gustavo Gutierrez, Carlos Gomez, Hernán Cucho, Liliana Picardi, Graciela Nievas, Juan Pablo Gutierrez, Frederic Lhoste*

Theme 2 **Agroecology and new farming arrangements**

Session 2.9 **Panel session: Farm and land system dynamics in the Mediterranean basin**

Room **Socrates**; Monday, July 2 | 13:00-14:30

Chair **Marta Debolini & Elisa Marraccini**

Panelists *Johanna Fusco, Olga Moreno Perez, Sylvie Lardon*

External discussants *Rosalía Filippini, Esther Sanz Sanz*

Theme 5 **Sustainable agrifood systems, value chains and power structures**  
Session 5.11 **The role of Localised AgriFood Systems and place-based products in the transition pathways towards sustainable agrifood systems: GI evaluation from a sustainable development point of view**

Room **Thales**; Monday, July 2 | 16:00-17:30

Chair **Dominique Barjolle**

- **The key role of Geographical Indications in the governance of ‘terroir niches’. Insights from three Corsican case studies**  
*Raphael Belmin, François Casabianca*
- **Economic impacts of Geographical Indications: Worldwide evidences from 9 case studies**  
*Emilie Vandecandelaere, Catherine Teyssier, Dominique Barjolle, Stéphane Fournier, Philippe Jeanneaux, Olivier Beucherie*
- **Geographical indications to enhance the value chain of agricultural and agri-food products in Benin: Sugar loaf pineapple and Wagashi case**  
*Adégnandjou Mahouna Roland Fadina, Dominique Barjolle*

Theme 3 **Integrating science, technology, policy and practice**

Session 3.3 **Management approaches for resilient and sustainable farming & Strategies and methods for managing and monitoring farm resources**

Room **Theophrastus**; Monday, July 2 | 16:00-17:30

Chair **Jana-Axinja Paschen**

- **Individual preferences and public incentives: What agro-environmental scheme for grassland restoration by farmers? The case of the Normandy region in France**  
*Marie Asma Ben Othmen*
- **Making smallholder farming systems in Nigeria sustainable and climate smart**  
*Oreluwa Akano, Sinah Modirwa, Azeez Yusuf, Oladimeji Oladele*
- **Understanding and changing farming and food & fiber systems. The organic cotton case in Mali and West Africa**  
*Gian L. Nicolay*
- **A transferable strategy to reduce competition for food and feed production in the establishment of agroforestry systems for energy production**  
*Rico Hübner, Andrea Winterling*
- **Researchers, advisors and growers working together to design monitoring methods for functional agro-biodiversity**  
*Aurélie Cardona, Servane Penvern, Marc Tchamitchian*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.3 **Advisory services and farmers' decision making: From inventors to social media: new forms of decision making challenge advisory services**

Room **Heraclitus**; Monday, July 2 | 16:00-17:30

Chair **Annemarieke de Bruin**

- **An investigation of social media's roles in knowledge exchange by farmers**  
*Tom Phillips, Laurens Klerkx, Marie McEntee*
- **Innovating in context: social learning and agricultural innovation**  
*Annemarieke de Bruin, Jonathan Ensor*
- **Farmers doing it for themselves: how farmer-inventors are frustrated by their interactions with the Agricultural Knowledge and Innovation System**  
*Trish O'Flynn, Áine Macken-Walsh, Andy Lane, Chris High*
- **Constraints to liquid fertilizer usage in dry season vegetable production in the Southern Guinea Savannah Zone of Nigeria**  
*Ivie Olaghere, Abdulazeez Muhammad-Lawal, Kemi Omotesho*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.6 **Learning, participatory methods, system thinking, design: Learning towards Agro-ecological transition**

Room **Pythagoras**; Monday, July 2 | 16:00-17:30

Chair **Thomas Aenis**

- **Farmers' involvement in collective experimental designs in a French region, Rhône-Alpes. How do they contribute to farmers' learning and facilitate the agroecological transition?**  
*Mireille Navarrete, Hélène Brives, Maxime Catalogna, Lucie Gouttenoire, Claire Heinisch, Claire Lamine, Emilie Ollion, Sylvaine Simon*
- **SEGAE: a serious game project for agroecology learning**  
*Olivier Godinot*
- **Using the concept of ecosystem services to foster social learning for concerted management of social ecological system: preliminary results from a case study in Mont Lozère, France**  
*Clémence Moreau, Cécile Barnaud, Raphaël Mathevet*

Theme 2 **Agroecology and new farming arrangements**

Session 2.1 **Sustainability of farm systems**

Room **Socrates**; Monday, July 2 | 16:00-17:30

Chair **Antonella Vastola**

- **Supporting farmers in the transition to agroecology to promote carbon sequestration from silvopastoral systems**  
*Sara Burbi, Rodrigo Olave*
- **Animal domestic biodiversity in farms: considering social interactions surrounding the farms together with farming systems specificities**  
*Anne Lauvie, Marie-Odile Nozières-Petit, Nathalie Couix*

- **Benefits of diversified horticultural systems: assessment with the modern portfolio theory**  
*Raphaël Paut, Rodolphe Sabatier, Marc Tchamitchian*
- **Conservation agriculture systems: an economic viable solution experimented in a Mediterranean area of Southern Italy**  
*Antonella Vastola, Mario Cozzi, Mauro Viccaro, Valeria Grippo, Severino Romano*

### Wednesday, July 4th, 2018

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.4 **Resilience and agroecology**

Room **Democritus**; **Wednesday, July 4 | 09:00-10:30**

Chair **Ika Darnhofer**

- **Quality labels as drivers of periurban livestock farming resilience**  
*Rosalía Filippini, Sylvie Lardon, Tiziana Sabbatini, Elisa Marraccini*
- **Resilience of smallholder farmers: a SWOT analysis in rural Italy**  
*Rafaela Reznik Rocha*
- **On farm level acting in order to mitigate climate change with help of a points-based system**  
*Aurelia Nyfeler-Brunner, Daniel U. Baumgartner, Gérard Gaillard, Sarah Hofmann*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.12 **SUFISA paper session: Managing risks in farming**

Room **Thales**; **Wednesday, July 4 | 09:00-10:30**

Chair **Egon Noe**

- **Lending to a farmer: a comparative analysis of frames banks use to interpret agriculture**  
*Mikelis Grivins, Martin Hvarregaard Thorsøe, Damian Maye, Pierre-Marie Aubert*
- **Farming strategies in the continuously evolving European dairy market – a comparative case study of five different EU countries**  
*Martin Thorsøe, Egon Noe, Pierre-Marie Aubert, Damian Maye, Mauro Vigani, James Kirwan, Hannah Chiswell, Mikelis Grivins, Anda Adamsone-Fiskovica, Talis Tisenkopfs, Emi Tsakalou*
- **Farmer strategies to manage market uncertainty: commodity-level analysis and critique**  
*Damian Maye, James Kirwan, Hannah Chiswell, Mauro Vigani, José Muñoz-Rojas, Erik Mathijs, Isabelle Bonjean, Martin Hvarregaard Thorsøe, Egon Noe, Susanne Von Münchhausen, Mikelis Grivins, Pierre-Marie Aubert, Piotr Nowak, Francesca Minarelli*
- **Food chain structure, price and risk management strategies - insights from the Serbian raspberry case study**  
*Zaklina Stojanovic, Radmila Dragutinovic-Mitrovic, Irena Jankovic, Bojan Ristic*



Theme 3 **Integrating science, technology, policy and practice**  
Session 3.4 **Transdisciplinary methodologies and assessment frameworks**  
Room **Theophrastus; Wednesday, July 4 | 09:00-10:30**  
Chair **Thomas Aenis**

- **How to train transdisciplinary competences? Insights from a lecture on “System Analysis and Scenario Technique”**  
*Valentin Fiala, Bernhard Freyer, Milena Klimek, Alexandre Fahringer*
- **Post-normal science in practice: a method proposal and its application to agricultural water management**  
*Sandrine Allain, Gaël Plumecocq, Delphine Leenhardt*
- **Integrating sustainability at the front end of system innovations in agriculture using a triple-helix approach**  
*Katharina Diehl, Bettina König*
- **Assessing the impact of the Standing Committee on Agricultural Research (SCAR). A tentative assessment framework**  
*Stefano Grando, Simona Cristiano, Serenella Puliga, Annalisa Zezza*
- **A systems approach to explore transformative socio-technical innovations**  
*Marianne Hubeau, Jonas Van Lancker, Fleur Marchand*

Theme 4 **Smart technologies in farming and food systems**  
Session 4.1 **Development of smart farming technologies and tools**  
Room **Heraclitus; Wednesday, July 4 | 09:00-10:30**  
Chair **Andy Wilcox**

- **Digital tools co-creation to ease the dialog among farmers’ communities with diverse visions. A practical case with conventional and organic farmers in CAPSELLA**  
*Mariateresa Lazzaro, Peter Paree, Diego Guidotti, Panagiota Koltsida, Stephen Benians, Paolo Barberi, Eleni Toli*
- **Inventory of smart farming technologies – focus of commercial and research products**  
*Spyros Fountas, Frits van Evert, Athanasios Balafoutis, Vasileios Psiroukis, Michael Koutsiaras, Konstantinos Grivakis, Pieter Blok, Chris van Dijk, Sandra Wolters, Sakura Tomita, Herman Berghuijs*
- **A Virtual Dairy Farm Brain**  
*Di Liang, Hector Delgado, Victor Cabrera*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.7 **Education and training of farmers and advisors. Skills and competences: Professionalization in extension and higher education**

Room **Pythagoras**; **Wednesday, July 4 | 09:00-10:30**

Chair **Barbara King**

- **Becoming an adviser within the privatized extension sector: Challenges and successes of seven early career advisers**  
*Barbara King, Sally Martin, Irene Sobotta, Jana-Axinja Paschen, Margaret Ayre, Nicole Reichelt, Ruth Nettle*
- **Towards competence-oriented learning in rural development: Transdisciplinary Student Team Investigation in Mexico, Colombia, Nicaragua and China**  
*Álvaro Acevedo Osorio, Susanne Hofmann-Souki, Juana Cruz Morales*
- **A robot from the scratch in 5 months. How agronomy students could master agricultural equipment innovation**  
*Davide Rizzo, Mehdi Jaber, Andrii Yatskul, Benoît Detot, Anne Combaud*
- **Financial literacy in rural areas of Kazakhstan – determinants and characteristics**  
*Sholpan Gaisina*

Theme 2 **Agroecology and new farming arrangements**

Session 2.2 **The technical dimension**

Room **Socrates**; **Wednesday, July 4 | 09:00-10:30**

Chair **Angelos Lontakis**

- **Optimizing a green manure-based row cropping system for organic cereal production**  
*Hong TT Phan, Kristian Thorup-Kristensen*
- **New arrangements for an agroecological management of animal health. The case of French farmers learning homeopathy**  
*Louis Rénier, Aurélie Cardona, Élisabeth Lécrivain*
- **Local *Dioscorea* sp production systems and their potential for agroecological practices in the central part of Cote d'Ivoire**  
*Esther Oka, Anne Floquet*
- **Mitigation of greenhouse gas emissions and technical efficiency of Greek dairy sheep production systems: meeting the ecological challenge**  
*Alexandra Sintori, Angelos Lontakis, Irene Tzouramani*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.5 **Markets and power**

Room **Democritus**; **Wednesday, July 4 | 11:00-12:30**

Chair **Ika Darnhofer**

- **Power imbalances in the Belgian sugar beet market: employing systems thinking for a supply chain analysis**  
*Katharina Biely, Steven Van Passel*
- **Food systems and farmers' bargaining power: The case of "Unfair Trade Practices" in the EU**  
*Miguel Angel de Porras Acuna, Sylvain Quiédeville*
- **Evaluation of farmers' markets from the organisers', producers' and consumers' perspective in Hungary**  
*Dorottya Szabó, Anikó Juhász, Katalin Olga Kujáni*
- **The role of cooperation for sustainability innovations in the agriculture and food sector**  
*Martina Schäfer, Bettina König, Jana Zscheischler*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.13 **SUFISA paper session: Regional and sectoral condition for farming in Europe**

Room **Thales**; **Wednesday, July 4 | 11:00-12:30**

Chair **Erik Mathijs**

- **The role of territorial conditions in influencing the sustainability of farming systems and strategies across Europe: a comparative analysis**  
*José Muñoz-Rojas, Fabio Bartolini, Damian Maye, Susanne von Münchhausen, Egon Noe, Teresa Pinto-Correia, Martin. H. Thorsoe, Danielle Vergamini*
- **Various strategies for different sectors and regions concerning agricultural production; The case of apples in Małopolska (Poland)**  
*Piotr Nowak, Krzysztof Górlach, Adam Dąbrowski, Anna Witowska*
- **Strategies farmers use to shape supply chain: a comparative analysis of dairy and grain farmers in Latvia**  
*Mikelis Grivins, Anda Adamsone-Fiskovica, Talis Tisenkopfs*
- **Increasing costs for land use challenge the international competitiveness of European arable farming – lessons learned from SUFISA case studies in three different areas**  
*Susanne von Münchhausen, Tanja Möllmann, Piotr Nowak*

Theme 4 **Smart technologies in farming and food systems**

Session 4.2 **Smart farming adoption and use by farmers**

Room **Heraclitus**; **Wednesday, July 4 | 11:00-12:30**

Chair **Julie Ingram**

- **Important lessons from new tailor-made services for smallholder farmers**  
*Antonius G.T. Schut, Keiji Jindo, Johannes W.A. Langeveld, Marja Rijerse, Lydia Munika, Peter Matyoko*

- **What drives adoption of smart farming technologies? Evidence from a cross-country study**  
*Andrea Knierim, Friederike Borges, Maria Lee Kernecker, Teresa Kraus, Angelika Wurbs*
- **An analysis of farmers' perceptions of the impact of technology on farm**  
*Luiza Toma, Andrew Barnes*
- **The potential impact of mobile phone application in agroecological transitioning in southeast Nigeria**  
*Ezinne Merianchris Emeana, Liz Trenchard*

**Theme 1 Learning and knowledge systems, education, extension and advisory services**

**Session 1.8 Education and training of farmers and advisors. Skills and competences: Agronomic education for sustainable development**

Room **Pythagoras**; **Wednesday, July 4 | 11:00-12:30**

Chair **Peter Paree**

- **FarmDemo: Valorize expertise through a joint 'visionary framework' for two H2020 projects**  
*Boelie Elzen, Peter Paree, Marleen Gysen, Claire Hardy, Lee-Ann Sutherland, Fleur Marchand, Lies Debruyne, Miguel Cordero, Ivonne de Bruijn*
- **Agronomic education and the quest for sustainability: Is there a link?**  
*Chrysanthi Charatsari, Afroditi Papadaki-Klavdianou, Alex Koutsouris, Evangelos D. Lioutas*
- **Making "middle managers": Workforce development for agricultural industries in transition**  
*Michael Santhanam-Martin, Lisa Cowan*
- **Challenges of labour supply in agri-food sector in Hungary**  
*Eszter Hamza, Katalin Rácz, Dorottya Szabó, Orsolya Márkiné Tóth, Eszter Varga*

**Theme 2 Agroecology and new farming arrangements**

**Session 2.3 Framing and frameworks**

Room **Socrates**; **Wednesday, July 4 | 11:00-12:30**

Chair **Stéphane Bellon**

- **A mixed method approach to characterize and explain the pursuit of agroecological principles at Flemish beef farms**  
*Louis Tessier, Jo Bijttebier, Fleur Marchand, Philippe Baret*
- **The European networks of research, education and training stakeholders in agroecology**  
*Rose Nicot, Stéphane Bellon, Allison Loconto, Guillaume Ollivier*
- **From land restructuration to land grabbing – the political context of agroecology**  
*Stephanie Domptail, Sarah Rauer, Bernd Müller, Daniel Mühlleitner, Ernst-August Nuppenau*

- **How to address sustainability transition of farming systems? A position paper**

*Guillaume Martin, Sandrine Allain, Jacques-Eric Bergez, Delphine Burger-Leenhardt, Julie Constantin, Michel Duru, Laurent Hazard, Camille Lacombe, Danièle Magda, Marie-Angéline Magne, Julie Ryschawy, Vincent Thénard, Hélène Tribouillois, Magali Willaume*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.6 **Value chains and markets I**

Room **Democritus; Wednesday, July 4 | 13:00-14:30**

Chair **Eelke Wielinga**

- **Floriculture and Floral Design. New high added-value markets and innovative origin-based qualification strategies for a sustainable revival of the Tuscan floriculture system**  
*Silvia Scaramuzzi, Sara Gabellini*
- **Which pathways for thriving tuber value chains in West Africa**  
*Anne Floquet*
- **Making sense of flexibility within value chains - Observations in the rubber sector in Southern China**  
*Susanne Hofmann-Souki, Jue Wang*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.14 **SUFISA paper session: Cooperation as farming strategy**

Room **Thales; Wednesday, July 4 | 13:00-14:30**

Chair **Isabelle Bonjean**

- **Cooperatives adapting to market conditions: insights from a comparative study of apple and pear farming in Poland, Italy and Belgium**  
*Eewoud Lievens, Isabelle Bonjean, Adam Dabrowski, Francesca Minarelli, Krzysztof Gorlach, Meri Raggi, Piotr Nowak, Davide Viaggi, Erik Mathijs*
- **Vertical integration as future strategy to increase value absorption of primary producers: the Belgian sugar beet and the German rapeseed case**  
*Katharina Biely, Susanne von Münchhausen, Steven Van Passel*
- **How the interplay between social capital creation and adaptive arrangements can impact the resilience of small-scale fisheries in different European contexts**  
*Paolo Prospero, James Kirwan, Emi Tsakalou, George Vlahos, Damian Maye, Fabio Bartolini, Daniele Vergamini, Gianluca Brunori*

Theme 3 **Integrating science, technology, policy and practice**

Session 3.5 **Panel Session: How to capture benefits and interactivity in multi-actor innovation processes**

Room **Theophrastus; Wednesday, July 4 | 13:00-14:30**

Chair **Simona Cristiano & Patrizia Proietti**

Panelists *Virgilio Buscemi, Boelie Elzen, Boru Douthwaite, Inge Van Oost*

Theme 4 **Smart technologies in farming and food systems**

Session 4.3 **Trust, risk and governance in value chains: which impact of Big data and smart solutions?**

Room **Heraclitus**; **Wednesday, July 4 | 13:00-14:30**

Chair **Laurens Klerkx**

- **The role of ICTs in improving smallholder maize farming livelihoods: The mediation of trust in value chain financing**  
*Christopher Agyekumhene, Jasper R. de Vries, Annemarie van Paassen, Philip Macnaghten, Marc Schut, Arnold Bregt*
- **“If they don’t tell us what they do with it, why would we trust them?” Applying the multi-level perspective on socio-technical transitions to understand trust, transparency and benefit-sharing in Smart Farming and Big Data**  
*Emma Jakku, Bruce Taylor, Aysha Fleming, Claire Mason, Simon Fielke, Peter Thorburn, Chris Sounness*
- **Smart Farming in Ireland: Anticipating positive and negative impacts through a qualitative study of risk and benefit perceptions amongst expert actors in the Irish agri-food sector**  
*Áine Regan, Stuart Green, Paul Maher*
- **The ‘Digitalisation of Agricultural Innovation Systems’: Governing the DAIS and exploring the prawn aquaculture value chain**  
*Simon J. Fielke, Robert Garrard, Emma Jakku, Aysha Fleming, Leanne Wiseman, Bruce M. Taylor, Ryan McAllister*
- **How can we make sense of smart technologies for sustainable agriculture? – A discussion paper**  
*Heidrun Moschitz, Matthias Stolze*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.9 **Education and training of farmers and advisors. Skills and competences: Innovative approaches to education and training**

Room **Pythagoras**; **Wednesday, July 4 | 13:00-14:30**

Chair **Thomas Aenis**

- **“Cropping School” - An alternative to advisory services in Brandenburg, Germany?**  
*Sabrina Scholz, Ralf Bloch, Susanne von Münchhausen, Anna Maria Häring*
- **Management and strategic advisory by using farm-based sustainability assessment in Denmark. Exemplifying the importance of imagery and process guidance (facilitation)**  
*Frank Oudshoorn, Lesley Lap*
- **Learnings from an exploratory implementation of an innovative training-program to improve and reduce antibiotic use in the dairy sector**  
*Axelle Poizat, Brigitte Frappat, Sabrina Corbel, Philippe Roussel, Marylise Le Guénic, Florence Bonnet-Beaugrand, Julie Duval, Nathalie Bareille*

- **Farmer Action Groups - A participatory approach to reducing antimicrobial use on UK dairy farms**  
*Lisa Morgans, Sarah Bolt, Lisa van Dijk, Henry Buller, Maria P. Escobar, Kristen Reyher, David Main*

Theme 2 **Agroecology and new farming arrangements**

Session 2.4 **System drivers I**

Room **Socrates**; **Wednesday, July 4 | 13:00-14:30**

Chair **Rike Stotten**

- **Thinking about the future of farming through different facets of “work in agriculture”. Textual analysis of papers from the first Symposium on Work in Agriculture**  
*Priscila Duarte Malanski, Sandra Schiavi, Benoît Dedieu*
- **The diversity of farmers’ practices and relations facing urban demands. A case study in Montpellier (France)**  
*Nabil Hasnaoui Amri, Laura Etienne, Christophe-Toussaint Soulard*
- **How can collective organization and the search for autonomy lead to an agroecological transition? The example of farm machinery cooperatives in France**  
*Stéphane de Tourdonnet, Jean-Marc Barbier, Sarah Courty, Pauline Martel, Véronique Lucas*
- **New farming arrangements for resilience**  
*Rike Stotten, Georg Leitinger*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.7 **Value chains and markets II**

Room **Democritus**; **Wednesday, July 4 | 16:00-17:30**

Chair **Eelke Wielinga**

- **Myths of intermediaries’ in citrus supply chain in Pakistan**  
*Saleem Ashraf*
- **Strategies to valorise agrobiodiversity**  
*Bernadette Oehen, Claudia Meier, Philipp Holzherr, Iris Förster*
- **Assessing healthy food chains**  
*Eelke Wielinga, Peter Parea*
- **Finding and analysing social hotspots in a global food value chain as a basis for livelihood improvement**  
*Sonja Trachsel, Isabel Jaisli, Emilia Schmitt*
- **More than wheat – the market potential of currently underutilised cereal crops**  
*Bernadette Oehen, Heidrun Moschitz*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.3 **Organic farming**

Room **Thales**; **Wednesday, July 4 | 16:00-17:30**

Chair **Ika Darnhofer**

- **Participatory guarantee systems: organic certification to empower farmers and strengthen communities**  
*Robert Home, Hervé Bouagnimbeck, Roberto Ugas, Markus Arbenz, Matthias Stolze*
- **How to influence the change in scale of organic agriculture when you are not in the driver's seat? The case of the French National Federation of Organic Farming**  
*Quentin Chance, Ronan Le Velly, Frédéric Goulet*
- **Which type of institution is able of initiating a sustainable change of paradigm in agrifood systems? A reflection based on the research in organic farming in Wallonia**  
*Julie Van Damme, Marie Moerman*

Theme 4 **Smart technologies in farming and food systems**

Session 4.4 **Smart farming, advisory services and knowledge systems**

Room **Heraclitus**; **Wednesday, July 4 | 16:00-17:30**

Chair **Pierre Labarthe**

- **Digitalisation of agricultural knowledge providers: the case of New Zealand**  
*Kelly Rijswijk, Laurens Klerkx, James A. Turner*
- **Exploring the value proposition of digital technologies in smart farming: an approach co-designed by agricultural advisors**  
*Margaret Ayre, Vivienne McCollum, Warwick Waters, Peter Samson, Anthony Curro, Ruth Nettle, Jana Paschen, Barbara King, Nicole Reichelt*
- **Farm advisors need to adapt to provide value to farmers in a smart farming future**  
*Callum Eastwood, Margaret Ayre, Brian Dela Rue*
- **Reflections on co-constructing a digital adviser with stakeholders in agriculture and forestry**  
*Julie Ingram, Pete Gaskell*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.15 **Panel session: Introducing the invisible into agricultural knowledge systems**

Room **Pythagoras**; **Wednesday, July 4 | 16:00-17:30**

Chair **Julia Wright**

Panelists *Christopher Brock, Saskia Von Diest*



Theme 2 **Agroecology and new farming arrangements**

Session 2.5 **System drivers II**

Room **Socrates**; **Wednesday, July 4 | 16:00-17:30**

Chair **Simona Zollet**

- **Neo-farmers: drivers of farming systems innovation and of the transition to agro-ecology? The case of Alentejo (Portugal)**  
*Paula Dolci, Coline Perrin*
- **Trade-offs between dreams and reality: Agroecological orchard co-design**  
*Servane Penvern, Blandine Chieze, Sylvaine Simon*
- **Agroforestry market gardening: a strategic choice to improve sustainability in agroecological transition?**  
*François Léger, Kevin Morel, Agnès Bellec-Gauche, François Warlop*
- **Towards sustainability transitions in Japanese agri-food systems: the role of new entrant organic farmers in rural areas of Hiroshima prefecture, Japan**  
*Simona Zollet*

**Thursday, July 5th, 2018**

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.8 **Sustainability**

Room **Democritus**; **Thursday, July 5 | 09:00-10:30**

Chair **Eelke Wielinga**

- **The impact of the Common Agricultural Policy on Cretan landscape and rural livelihood**  
*Annabelle Boulay, Richard Pope*
- **Developing a tool to evaluate the sustainability of intra-urban farms**  
*Agnès Lelièvre, Paola Clérino*
- **Exploring the path of wine sustainability in isolated and limited production systems. A comparative analysis between two islands, Elba (Italy) and Santorini (Greece)**  
*Daniele Vergamini, George Vlahos, Paolo Prospero, Fabio Bartolini, Gianluca Brunori*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.10 **Designing extension and advisory services: models and methods**

Room **Theophrastus**; **Thursday, July 5 | 09:00-10:30**

Chair **Simona Cristiano & Patrizia Proietti**

- **Demand-based extension models for smallholder farmers in Malawi**  
*Hastings Chiwasa, Daimon Kambewa*
- **Characteristics of successful extension education programs: Dairy examples from the University of Maryland Extension**  
*Dale M. Johnson, LeAnn A. Johnson*

- **An opportunity not to be missed: the possibilities to support Australian dairy and meat processors in agricultural advisory service provision**  
*Nicole Reichelt, Jacqui Knee, Bruce Hancock, Ian Linley, Doug McNicholl, Ashley Norval, Jana-Axinja Paschen, Ruth Nettle, Barbara King, Margaret Ayre*
- **Setting-up a Farm Advisory Network in the Agricultural University of Athens: an exploratory analysis**  
*Vasilía Konstantidelli, Alexandros Koutsouris, Pavlos Karanikolas, Konstantinos Tsiboukas*

**Theme 1 Learning and knowledge systems, education, extension and advisory services**

Session 1.12 **Paper session: Space for Agricultural Innovation (AgriSpin)**

Room **Pythagoras**; Thursday, July 5 | 09:00-10:30

Chair **Alex Koutsouris**

- **Diversity of innovation support services and influence on innovation processes in Europe – Lessons from the AgriSpin project**  
*Hycenth Tim Ndah, Andrea Knierim, Alex Koutsouris, Guy Faure*
- **Tools to observe innovation processes: The AgriSpin experience**  
*Eelke Wielinga, Alex Koutsouris*
- **Innovation support in farmer-driven processes – Lessons from Greece**  
*Alex Koutsouris, Eleni Zarokosta*
- **Multi-actor interaction and coordination in the development of a territorial innovation project: some insights from the Cilento Bio-district in Italy**  
*Elena Favilli, Tim Hycent Ndah, Yulia Barabanova*

**Theme 2 Agroecology and new farming arrangements**

Session 2.6 **Agri-food systems and certification**

Room **Socrates**; Thursday, July 5 | 09:00-10:30

Chair **Teresa Pinto-Correia**

- **A framework to characterize the diversity of food systems and their transition pathways**  
*Daniel Gaitán-Cremaschi, Laurens Klerkx, Jessica Duncan, Jacques H. Trienekens, Carlos Huenchuleo, Santiago Dogliotti, María E. Contesse, Walter A.H. Rossing*
- **Assessing food balance of Mediterranean city-regions. A multi-level methodology to highlight interactions between land system and food systems**  
*Esther Sanz Sanz*
- **Participatory Guarantee Systems: social innovation within the agroecological transition**  
*Antonieta Carolina Reyes Gómez, Michaël Pouzenc*

Theme 5 **Sustainable agrifood systems, value chains and power structures**  
Session 5.15 **SALSA Paper session: Our food systems are broken, can small farmers help to fix them?**  
Room **Democritus; Thursday, July 5 | 11:00-12:30**  
Chair **María Rivera Méndez**

- **Food system integration of olive oil producing small farms: a comparative study of four Mediterranean regions**  
*Pavlos Karanikolas, Teresa Pinto Correia, Victor Martinez-Gomez, Francesca Galli, Paola Andrea Hernandez, Laura Fastelli, Laura Arnalte-Mur, Maria Rivera Mendez, Paolo Prospero, Giannis Goussios*
- **Exploring the diverse connections between small farms and food consumption: case studies from Poland, Romania and Latvia**  
*Marta Czekaj, Ewa Tyran, Sandra Šūmane, Barbu Raluca Ioana*
- **Assessing small farms' role in the food systems at regional level: insights from a territorial approach**  
*Teresa Pinto Correia, Alejandro Guarín, Karlheinz Knickel, Sergio Godinho, María Rivera Méndez, Stefano Grandi, Gianluca Brunori*
- **Territorial fitting of small farms**  
*Talis Tisenkopfs, Sandra Šūmane, Anda Ādamsons-Fiskoviča, Miķelis Grīviņš*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**  
Session 1.11 **Governance and implementation of multi-actor innovations**  
Room **Theophrastus; Thursday, July 5 | 11:00-12:30**  
Chair **Simona Cristiano & Patrizia Proietti**

- **How long does it take to make innovation become custom? The montado case study**  
*M<sup>a</sup> Helena Guimarães, M<sup>a</sup> Isabel Ferraz-de-Oliveira, M<sup>a</sup> Teresa Pinto-Correia*
- **Stakeholder perception and learning from projects: Multi actor agricultural projects**  
*Arundhita Bhanjdeo, Marta Hernandez-Jover, Gavin Ramsay*
- **Promoting sustainable food systems in EU's remote rural regions through a place-based knowledge approach**  
*Paola Andrea Hernández*
- **Do EIP interactive innovation approaches interact each other?**  
*Simona Cristiano, Patrizia Proietti*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.13 **Paper session: On-farm demonstrations: developing effective peer to peer learning processes (AgriDemo & PLAID)**

Room **Pythagoras**; Thursday, July 5 | 11:00-12:30

Chair **Fleur Marchand**

- **Demonstration farms in historical context**  
*Rob J.F. Burton, Lee-Ann Sutherland, Claire Hardy*
- **Structural aspects of on-farm demonstrations: Key considerations in the planning and design process**  
*Eleni Pappa, Alex Koutsouris, Julie Ingram, Lies Debruyne, Hanne Cooreman, Fleur Marchand*
- **Identifying functional characteristics that enable learning in demonstrations: a discussion paper**  
*Julie Ingram, Hannah Chiswell, Jane Mills, Lies Debruyne, Hanne Cooreman, Alex Koutsouris, Eleni Pappa, Fleur Marchand*
- **Development process of a conceptual framework to investigate the role of peer learning processes at on-farm demonstrations in the light of sustainable agriculture**  
*Hanne Cooreman, Joke Vandenabeele, Lies Debruyne, Julie Ingram, Hannah Chiswell, Alex Koutsouris, Eleni Pappa, Fleur Marchand*

Theme 2 **Agroecology and new farming arrangements**

Session 2.7 **Sustainability evaluation and indicators**

Room **Socrates**; Thursday, July 5 | 11:00-12:30

Chair **Marc Tchamichian**

- **Evaluating sustainability of farms: introducing a new conceptual framework based on three dimensions and five key properties relating to the sustainability of agriculture. The IDEA method version 4**  
*Frédéric Zahm, Adeline Alonso Ugaglia, Jean-Marc Barbier, Héloïse Boureau, Bernard Del'homme, Mohamed Gafsi, Pierre Gasselin, Sydney Girard, Laurence Guichard, Chantal Loyce, Vincent Manneville, Amandine Menet, Barbara Redlingshöfer*
- **Assessment of sustainability indicators on farms under real-life conditions**  
*Andreas Roesch, Maria Bystricky, Aurelia Nyfeler-Brunner, Hisko Baas*
- **Sustainability of beekeeping farms: development of an assessment framework through participatory research**  
*Coline Kouchner, Cécile Ferrus, Samuel Blanchard, Axel Decourtye, Benjamin Basso, Yves Le Conte, Marc Tchamichian*
- **A participatory method to design farm scale scenarios for recovering groundwater quality**  
*Annabelle Richard, Marion Casagrande, Marie-Hélène Jeuffroy, Christophe David*

Theme 5 **Sustainable agrifood systems, value chains and power structures**

Session 5.16 **"Our food systems are broken, can small farmers help to fix them?" A panel session organised by the SALSA project team**

Room **Democritus; Thursday, July 5 | 13:00-14:30**

Chair **Karlheinz Knickel & Pavlos Karanikolas**

Panelists *Maria Partalidou, Chris Blackmore, Elisa Marraccini, Stéphane Bellon, George Vlahos, Teresa Pinto-Correia*

Theme 1 **Learning and knowledge systems, education, extension and advisory services**

Session 1.14 **Panel session: European inventories of demonstration activities (AgriDemo & PLAID)**

Room **Pythagoras; Thursday, July 5 | 13:00-14:30**

Chair **Fleur Marchand**

Panelists *Lies Debryune, Claire Hardy, Boelie Elzen, Adrien Guichaoua*

Theme 2 **Agroecology and new farming arrangements**

Session 2.10 **Panel session: Agroforestry**

Room **Socrates; Thursday, July 5 | 13:00-14:30**

Chair **Maria Rosa Mosquera Losada**

Panelists *Anastasia Pantera, Javier Santiago-Freijanes, Andreas Papadopoulos, Nathalie Corroyer*