

26th European Seminar on Extension & Education

Sustainability transitions of agriculture and the transformation of education and advisory services: convergence or divergence?



Toulouse, 10-13 July 2023

The **European Seminar on Extension & Education (ESEE)** is a biennial conference about **agricultural advice and education**. It has gathered scholars, advisors and educators since 1973. **The overall theme of the 26th conference is:** “Sustainability transitions of agriculture and the transformation of education and advisory services: convergence or divergence?” The conference will address five topics:

- **TOPIC 1 - Transitions towards agroecology & circular economy:** Which actors and approaches of advice and education support, what hinders them?
- **TOPIC 2 - Digitalisation of advisory services and education:** what are the effects of digital technology on the practices, actors and organisation of advice and education?
- **TOPIC 3 - Learning for innovation and resilience:** which theory and practice developments for training, life-long learning and education of farmers, advisors, teachers and facilitators?
- **TOPIC 4 - Public policies for innovation and the governance of AKIS:** how to embed advice & education into AKIS strategies and planning?
- **TOPIC 5 - Inclusion and the social dimension of sustainability:** (how) are these issues acknowledged in advice and education?

In this program you will find:

- An overview of the conference program (p.2)
- A short description of the plenary sessions (Opening keynote and roundtables) (p.3)
- A detailed presentation of all parallel session for each of the five topics of the conference (pp. 4-15)
- A table with the rooms for all parallel sessions (p. 16)

PLEASE NOTE THAT THIS IS A PRELIMINARY PROGRAM AND THERE ARE STILL POTENTIAL CHANGES. PLEASE CHECK WEBSITE FOR UPDATES

Overview of the preliminary program

Monday 10 July	Tuesday 11 July	Wednesday 12 July	Thursday 13 July
Arrival and Registration	Field trips	09:00-11:00 Roundtable 1: French and Irish perspectives on new extension methods (farmers' groups and demo) to support sustainability transition	09:00-11:00 Parallel session 5
		11:00-11:30 / Break	11:00-11:30 / Break
		11:30-13:00 Parallel session 2	11:30-13:00 Roundtable 2 : Intercontinental exchange about current trends in agricultural extension & education public policies with Andrea Knierim (Germany), Fernando Landini (Argentina), Ruth Nettle (Australia) & Ataharul Chowhudy (Canada)
		13:00-14:00 / Lunch	13:00-13:30 / Closing & Farewell
		14:00-16:00 Parallel session 3	Departure
		16:00-16:30 / Break	
		16:30-18:30 Parallel session 4	
Break			
From 19:00 Welcome cocktail	From 20:00 Gala diner		
14:00 /14:30 Official Opening			
14:30-16:00 /Keynotes (plenary) Julie Ingram (univ. Gloucester.) Katrin Prager (univ. Aberdeen)			
16:00-16:30 / Break			

ESEE 2023- KEYNOTES AND ROUNDTABLES

Opening Plenary- Monday 10th, 14:30-16:00 – Amphitheater MB 1

- **Advisory services and transition: negotiating new policies, markets and technologies**
Dr. Julie Ingram, CCRI, University of Gloucestershire
- **Advisors and facilitators as key players in novel agri-environmental contracts**
Dr. Katrin Prager, University of Aberdeen

Roundtable 1 - Wednesday 12th, 09:00-11:00 – Amphitheater MB 1

This roundtable will build on French and Irish perspectives to discuss about the potential and specific caveats of new forms and methods of advice (group advice, signpost farms, demo...), as tools to support agroecological transitions. The questions addressed will include: How to make the groups sustainable over time? How to guarantee the bottom-up functioning of the groups, while maintaining the support of the accompanying structures? What are the skills/knowledge needed from advisors? How to make sure that the benefits of the groups disseminate beyond the direct participants? In terms of governance: how to engage in networks in a multi-actor context?

Participants to the roundtable:

- **Calypso Picaud (Regional Chamber of Agriculture, France)**, in charge of coordinating and facilitating networks of advisors in charge of farmers' group
- **Nelson Guichet (chamber of agriculture of Ariège, France)** local advisors facilitating local farmers' groups
- **Christophe Mur (DRAAF, France)**, policy maker in charge of funding local farmers' group
- **Tom O'Dwyer (Teagasc, Ireland)**

Roundtable 2 - Thursday 12th, 09:00-11:00 – Amphitheater MB 1

This roundtable will propose a discussion gathering Intercontinental perspectives on new trends in farm advisory services public policies in a context of sustainable transitions. The challenges addressed will include: Digitalisation, Privatisation, Global issues: carbon markets, climate change

Participants to the roundtable:

- **Ruth Nettle (Univ. Melbourne, Australia)**
- **Fernando Landini (Conicet, Argentina)**
- **Ataharul Chowdury (Univ. Guelph, Canada)**
- **Andrea Knierim (Univ. Hoheheim, Germany)**

TOPIC 1 - Transitions towards agroecology & circular economy:*Convenors: Eelke Wielinga, Esmail Karamidehkordi, Livia Madureira,*

Session 1A - Monday 10th, 16:30-18:30 – Room MB 401**AKIS Policy assessment on Agroecology**

Chair: Gael Plumecocq

- *Implications of Global Biodiversity Framework on communication and extension systems*
Esmail Karamidehkordi
- *Innovating to enable extension and advisory services to promote agriculture and other nature-based approaches*
Zofia Krystyna Mroczek, Nevena Alexandrova Stefanova
- *The greening of agricultural policies in France: a look from within*
Floriane Clément, Pierre Labarthe, Gaël Plumecocq
- *Transitions and disturbances in action: a discursive method of analysis to characterize the impact of change on farmers and their advisors*
Cathy Milou
- *The attitude of technical advisors towards professional continuous learning: the case of Italian organic agriculture system*
Roberta Milardo, Aldo Bertazzoli

Session 1B - Wednesday 12th, 11:00-13:00 – Room MB 401**Customising advice for sustainable transition (1)**

Chair: Esmail Karamidehkordi

- *Are plantain-based production systems, Agricultural Innovation System in Guadeloupe?*
Marie Bezard, Carla Barlagne, Valérie Angeon, Maud Caperaa, Harry Ozier Lafontaine, Jean-Louis Diman, Nadine Andrieu
- *Agroecological transitions and farmers microAKIS: Case studies from the Global North compared to Global South*
Ana Fonseca, José Rosário, Carlos P. Marques, Carlos Marques, Livia Madureira
- *Customising advice: an attempt to evaluate customer satisfaction of Farm Advisory Services and improve agroecological transition*
Giuseppina Olivieri, Marcello De Rosa, Concetta Menna, Imma Cigliano, Ferdinando Gandolfi, Maria Passari, Teresa Del Giudice
- *Mapping knowledge circulation in the olive and viticulture sectors in Central Spain: a comparative study*
JL Cruz, A. Barrutieta, A. García, B. Sastre, O. Antón, JP Zamorano
- *Engaging with Monitor Farmers on Farmland Biodiversity Management*
Aoife, Richard O'Brien, James Kinsella

Session 1C - Wednesday 12th, 13:00-16:00 - Room MB 401***Customising advice for sustainable transition (2)***

Chair: Eleke Wielinga

- *Deliberative processes for co-constructing sustainability transitions using science, society, policy interfaces*
David Miller, Jorieke Potters, Ellen Bulten, Gerald Schwartz
- *Participatory workshops' impacts on farmers' intention to adopt climate mitigation farming practices: A randomized controlled trial in Slovenia*
Živa Alif, Ana Novak, Tanja Šumrada
- *Visioning a sustainable urban agriculture*
Vebjørn Egner Stafseng
- *Assessing capabilities of the hub organisations of Innovation Support Services Ecosystems: an evaluation grid for researchers and practitioners*
Claire Orbell, Aurélie Toillier, Sophie Mignon

Session 1D- Wednesday 12th, 16:30-18:30 - Room MB 401***Education and training for agroecology – Insights from France***

Chair: Rachel Levy

- *Agricultural education and its audiences facing the challenge of climate change. A socio-economic analysis of the contribution of this training device to the implementation of Nature-Based Solutions*
Lorine Maretz, Rachel Levy
- *The stakes of the transmission of knowledge for the agroecological transition*
Nina Asloum, Nicola Gallai, Jean-Pierre Del Corso
- *The role of teaching and social relationships into the traditional knowledge access: comparison between France and Benin*
Rachel Levy
- *Training young teachers in teaching agroecology: challenges and opportunities*
Anne-Emmanuelle Fiamor, Agnès Terrieux,
- *Training of trainers in agroecology based on the teaching of endogenous knowledge*
Jean-Pierre Del Corso, François Fall, Nicolas Gallai, Guillaume Guillet, Micheline Marie Sainte

Session 1E – Thursday 13th, 09:00-11:00 - Room MB 401***Special Session: Emerging soil carbon policies and markets: the implications for advisory services***

Chair: Julie Ingram, Katrin Prager, Beth Dooley

Session 1F – Thursday 13th, 09:00-11:00 - Room MB 407***Special Session: Serious games exhibition for agricultural education & extension***

Chairs: Sylvain Dernat, Julie Rychawy et Guillaume Martin

TOPIC 2 - Digitalisation of advisory services and education:*Convenors: Andrea Knierim, Laurens Klerkx and Pierre Labarthe*

Session 2A- Monday 10th, 16:30-18:30 – Room MB 402**Critical perspective on digitalisation and advisory networks**

Chair: Pierre Labarthe

- *Making use of system concepts for the analysis of digitalisation in agriculture: Synergies, Clashes or Voids?*
A. Knierim, B. Herrera, M. Paulus, G. Brunori, R. Hortigüela, D. Vergamini, C. Giagnocavo
- *How does misinformation influence the virtual agri-food advisory service? Multiactor's Perspectives from Sri Lanka*
Ataharul Chowdhury, Kabir Khondokar Humayun, Kasuni Sachithra Illesinghe Kankanamge
- *Action-oriented approach to assess digitalization-related risks and trade-offs by advisors*
Nevena Alexandrova Stefanova, Zofia Krystyna Mroczek-
- *Can agricultural knowledge and innovation systems guide the digital transition of short food supply chains? A study in Greece and Italy*
Chrysanthi Charatsari, Anastasios Michailidis, Marcello De Rosa, Evangelos D. Lioutas, Dimitrios Aidonis, Luca Bartoli, Martina Francescone, Giuseppe La Rocca, Luca Camanzi
- *Perspective from an advisor from a local French Chamber of agriculture*
Guillaume Laplace

Session 2B – Wednesday 12th, 11:00-13:00 – Room MB 402**Designing & Selecting the right digital tool for advisors**

Chair: Ataharul Chowdhury

- *Working with farmer organizations to co-design more user-relevant and responsible digital advisory services? An analysis of motivations and blocking factors.*
Chloé Alexandre, Teatske Bakker
- *Digitalisation of advisory services and education: The case of remote consulting to overcome the challenge of on farm meeting restrictions for farm advisors, by choosing appropriate digital tools..*
Evi Arachoviti, Laura Palczynski
- *Transitioning to Agriculture 4.0: the role of the agricultural advisor*
Karen McGrath, Aine Reganb, Tomás Russell a
- *Designing with Farmers: A multi-actor framework to include Human-Centred Design in the digitization of farming services and collaboration practices.*
David Hearne, Daniel Wolferts, Gráinne Dilleen
- *Managing digital cognitive load for farmers and advisory networks in a digital agriculture future*
Callum Eastwood, Paul Edwards, Brian Dela Rue

Session 2C – Wednesday 12th, 14:00-16:00 - Room MB 402**Adoption and use of tools**

Chair: Andrea Knierim

- *Factors influencing the use of digital advisory tools and services: insights from user cases across Europe*
Lies Debruyne, Charlotte Lybaert, Rani Van Gompel, Tom Kelly
- *The Potentials of the use of mobile phone to access agricultural information: Which Factors Matter*
Martin Bosompen, Pious Ainoo Cudjoe
- *Can SMS, IVR and apps enhance organic farming practices in Africa?*
Selina Ulman, Benjamin Gräub, Faith Maiyo, Lise Dusabe, Dieudonne Sindikubwabo
- *The digitization of agriculture and the advisors' support. An analysis through the Multilevel Perspective*
Taïana Hobonobo, Fabiola Polita, Lívia Madureia
- *Investigating stakeholder perception of virtual fencing technology to promote sustainable grazing management*
Juliette Schillings
- *Requirements for Adopting Drones by Farmers in Paddy Fields in the Haraz Plain Watershed, Iran*
Jamileh Aliiloo, Enayat Abbasi, Esmail Karamidehkordi, Ebadat Ghanbari Parmehr, Maurizio Canavari

Session 2D - Wednesday 12th, 16:30-18:30 - Room MB 402**Special session: Securing the future of data driven services and digital advisory tools: consolidating the legacy of FAIRshare with behavioral innovation insights from Ploutos**

Facilitator Aine Macken Walsh.

Contributions from Tom Kelly, Peter Patee, Patricia Fry, Raquel Ferreira

TOPIC 3 - Learning for innovation and resilience:

Convenors: Monica Gorman, Alex Koutsouris, Maria Gerster-Bentaya

Session 3A - Monday 10th, 16:30-18:30 – Room MB 403**Extension Tools (A)**

Chair: Monica Gorman

- *Seeing the forest through the trees: A systematic review approach to the compilation of relevant and useful tools and learning materials in support of multi-actor project development?*
Evelien Cronin, Hanne Cooreman, Elke Rogge
- *Development of an Agricultural Extension Support Tool to Increase Farmer Engagement in Conversations about Climate Change*
Niamh Dunphy, Sinéad Flannery, Seamus Kearney
- *A reflective practice framework to support social learning in the context of a multi-actor project setting*
Sangeun Bae, Andrea Knierim
- *A sustainable game changer? Systematic review of serious games using for agriculture*
Sylvain Dernet, Gilles Martel
- *Micro-AKIS of new entrants in agriculture*
Sara Mikolič

Session 3B – Wednesday 12th, 11:00-13:00 – Room MB 403**Extension Tools (B)**

Chair: Sinead Flannery

- *The role of boundary objects as a multi-actor and value connector in agricultural programmes*
Jorie Knook, R. Knopp, G. Beck, K. Mitchelmore, L. Beehre, C. Eastwood
- *The role of boundary objects and shared governance in the social learning of innovation networks: the case of NEFERTITI*
Laure Triste, Rebekka Frick, Annie McKee
- *Supporting collaborative and participative learning through cross-cases qualitative analysis. The case of the European project DiverIMPACTS*
Margot Leclere, L. Gorissen, Y. Cuijpers, L. Colombo, M. Schoonhoven-Speijer, W.A.H. Rossing
- *The Eco Analysis: a tool for facilitating co-creative processes*
Bowine Wijffels and Eelke Wielinga
- *Art and Agriculture; inspiring learning for sustainability transitions*
Jorieke Potters
- *Combining serious games contributes to changes of farmers' practices*
Rébecca Etienne Stéphane Ingrand, Cyrille Rigolot, Sylvain Dernet

Session 3C – Wednesday 12th, 14:00-16:00 – Room MB 403**Education**

Chair: Rachel Lévy

- *Strengthening the future advisors' capacity to support innovation through interactive training*
Eleni Zarokosta, Alex Koutsouris
- *Interdisciplinary PhD training of environmental experts: challenging the problem-centred expert*
Zora Kovacic
- *Developing the self-positioning Master students' capacity through a collaborative learning on a scientific analysis of the glyphosate controversy*
Simon Giuliano, Adeline Bouvard, Philippe Cousinié, Alain Rodriguez
- *What farmers learn for sustainable development through participatory farming system inquiry: a case study of student–farmer action learning projects*
Åsmund Steiro
- *Responsible training for responsible agricultural digitalization: Some preliminary remarks*
Chrysanthi Charatsari, Evangelos D. Lioutas, Anastasios Michailidis
- *Developing competences for modern rural advisors: Nature connectedness, ethos and professional ethics*
Ioanna Skaltsa, Alex Koutsouris, Katerina Kasimatis

Session 3D – Wednesday 12th, 16:30-18:30 – Room MB 403**Supporting farmers**

Chair: Nathalie Girard

- *A social cognitive framework for learning processes in communities of practice on integrated pest management*
Simon Lox
- *Inquiry, a framework to support the transformation of farmers' activity in agroecological transition*
Celina Slimi, Marianne Cerf, Lorène Prost, Magali Prost
- *Exploring the role of knowledge sources in innovation adoption through a farmer typology*
Mertijn Moeyersons
- *Focussing on mindset to engage the elite*
Amy Hughes, Arron Nerbas
- *The impacts of time perspective on farmers' resilience to climate change: A challenge for agricultural extension*
Masoud Bijani, Maryam Shariatzadeh, Negin Fallah Haghighi
- *How can we support farmers in the management of complex systems? A case study on multi-trophic rice-fish farming systems in Guinea*
Lucas Fertin, Teatske Bakker

Session 3E – Thursday 13th, 09:00-11:00 - Room MB 403**Advisors' competences and training**

Chair: Alex Koutsouris

- *Competencies for the innovation advisor in practice*
Charlotte Lybaert, Lies Debruyne, Eva Kyndt, Fleur Marchand
- *How Extension Educators' Leadership Competencies Affect the Support for Organizational Change*
Suzanna Windon
- *How do rural extension agents really learn? Evidence and proposals from Latin America*
Fernando Landini
- *Integrating lifelong learning in practice for advisors in Australia's national extension strategy for the vegetable sector: literature review and research design*
Elizabeth Koech
- *How can we better pass on the expertise of organic farm advisors to the next generation of advisors?*
Anne Glandières

Session 3F – Thursday 13th, 09:00-11:00 - Room MB 402**Extension/Advisory Issues**

Chair : Deirdre O'Connor

- *Learning good practices from the experiences of interactive innovation cases*
Tom Kelly, Līga Cimermane, Linda Sarke, Geoffrey Hagelaar, Dora Lakner, Jos Verstegen, Alex Koutsouris, Patrizia Proietti, Simona Cristiano, Andrés Vér, Sylvain Sturel
- *The value of actors' topical insights in a transition to a culture of interactive innovation support in advisory services*
Tom Kelly, J. Kavanagh, R. Clancy, F. Birke, I. Hrovatic, L. Debruyne, S. Sturel
- *The life-long learning challenge in the context of multi-actor innovation: diversity across community-based approaches to sustainability*
Áine Macken-Walsh
- *Organisational Capacity Assessment for Innovation Support: approach and results from tool applications in Cameroon and Madagascar*
Hycenth Tim Ndah, A. Knierim, S. Audouin, N. Ngouambe, S. Crestin-Billet, N. Randrianarison, A. Toillier, O. Traoré, G. Fongang, S. Mathé
- *Improving farm advisory services to stimulate transitions for sustainable agriculture: towards a farmer-perspective paradigm*
Ellen Bulten, Boelie Elzen, Jaroslav Prazan
- *Learning from the world: Using a global review of innovative extension approaches to support the red-meat knowledge and innovation system in Australia*
Ruth Nettle, Nicole Reichelt, Jana-Axinja Paschen, Helen McGregor, Basil Doonan, Ashley Evans and Leanne Sherriff

Session 3G – Wednesday 12th, 16:30-18:30 – Room MB 406***Innovation related issues***

Chair : Alne Macken-Walsh

- *Co-agency as a leverage point in farmer, advisor and researcher interactions*
Lisa Blix Germundsson, Magnus Ljung
- *Tailoring technical options: case studies of intangible and tangible supports in advisory approaches in West Africa*
T. Bakker, T. Cherièrè, A. Ganeme, H. Sawadogo, M. Adam, K. Descheemaeker
- *From practice-based evidence to evidence-based practice: how to close the loop?*
Nicolas Giraud H  l  ne Brives, Laurent Hazard
- *Understanding anchoring processes in crop diversification initiatives: A middle-range conceptual model*
Lenn Gorissen, Mirjam Schoonhoven-Speijer, Walter A.H. Rossing
- *Evaluating co-innovation as complexity-aware project governance: creating space for agricultural transformation within Horizon 2020 project DiverIMPACTS*
Mirjam Schoonhoven-Speijer
- *Implementing the Knowledge and Innovation System for Bioeconomy (KISB): a new vision from the BIObec project*
Giacomo Maria Rinaldi

Session 3H – Monday 10th, 16:30-18:30 – Room MB 407**Special session: *ClimateSmartAdvisors: an EU advisory network on climate smart farming***

Chairs: Laure Triste, Evelien Cronin, Jorieke Potters, Ellen Bulten, Lies Debruyne

Session 3I – Wednesday 12th, 11:00-13:00 – Room MB 407**Special session: *Good practices in multi-actor collaboration for joint innovation projects***

Chairs: Mikelis Grivins, Evelien Cronin, Susanne von M  nchhausen

TOPIC 4 - Public policies for innovation and the governance of AKIS: how to embed advice & education into strategies of AKIS

Convenors: *Simona Cristiano, Michael Küegler, Patrizia Proietti*

Session 4A – Monday 10th, 16:30-18:30 – Room MB 404

New perspectives on AKIS

Chair: Simona Cristiano

- *The evolution of AKIS as a concept*
Eelke Wielinga
- *Strengthen the AKIS through the Transformative AKIS Journeys*
Patrizia Proietti, Simona Cristiano
- *Climate change and innovation: the role of public policies in a multi-stakeholder approach.*
Jose Luis Cruz, A. Barrutietia, I. González, V. Bermejo, JP. Zamorano
- *Towards a Capacity Development framework for the EIP-AGRI concept*
Susanne von Münchhausen, Mark Redman, Mikelis Grivins, Lisa van Dijk
- *Evaluation of Italian Food Districts: preliminary data*
Francesco del Puente; Concetta Menna; Marcello De Rosa; Giuseppina Olivieri; Piermichele La Sala; Ferdinando Gandolfi; Irene Paola Borrelli; Teresa del Giudice; Alessandro Sapio
- *A Global Foresight Framework for the transformation of national agricultural extension systems: contribution for renewing AKIS*
P. Djamen, S. Audouin, N. Alexandrova, P. Van Doren, Z. Mroczek

Session 4B – Wednesday 12th, 11:00-13:00 – Room MB 404

Integration of innovation support service in the AKIS

Chair: Syndhia Mathé

- *Towards a framework to assess quality of innovation support services in AKIS: match and mismatch between farmers and providers' perceptions in Madagascar*
Sarah Audouin, S. Valisoa Ranaivomanana, N. Randrianarison M. Nantenaina Andriamanantsoa, H. Tim Ndah, H. Andriamaniraka, S. Mathé
- *What are the specificities of agricultural innovation systems in the South: an approach based on innovation support services*
Syndhia Mathé, S. Audouin, A. Toillie, L. Temple, T.H. Ndah H, A. Knierim, N. Randrianarison, O. Traoré, N. Ngouambe, G. Fongang
- *Mapping ISS functions as a tool for national policymakers across EU countries*
Livia Kránitz, S. Aboelnaga, S. Vágó, Patrizia Proietti, Simona Cristiano
- *Ecosystem of actors and sectoral governance strategies for agricultural innovation in Cameroon*
Temple Ludovic, Talla SMB, Kamga R., Awah MLA., Mathé S.
- *Worthy ISS provider functions case as a guide for the national policymakers, through mapping ISS across EU countries.*
Peter Paree, Somaya Aboelnaga, Livia Kránitz, Patrizia Proietti, Simona Cristiano

Session 4C – Wednesday 12th, 14:00-16:00 – Room MB 404**Methods and tools to support policies**

Chair: Michael Kuegler

- *Assessing performances of advisory services based on their quality: a user-centred evaluation model*
Simona Cristiano, Patrizia Proietti, Alberto Sturla, Valentina Carta
- *Investigating the organizational dimension of AKIS in digital agriculture in Iran: Mendelow's power and interest matrix*
S. Bahar Homayoon, M. Yazdanpanah, S. Mohammadzadeh, T. Zobeidi, A.J. Lamm
- *Measuring the effectiveness of CAP's agri-environmental knowledge transfer: An evaluation framework*
Ana Novak, Tanja Šumrada
- *Taking stock of farmers' knowledge needs in Rhineland-Palatinate. Entry points for the systematic evaluation of AKISs performance*
Oliver Müller
- *New directions in changing farmer behaviour: extension lessons from the HerdAdvance project (Welsh Government/AHDB)*
David Rose, Juliette Schillings, James Breen, Rosie Morrison
- *The needs of extension and education and governance of AKIS for the revival of chestnut growing in Italy*
Tatiana Castellotti

Session 4D – Wednesday 12th, 16:30-18:30 – Room MB 404**The role of public and private advice actors in changes**

Patrizia Proietti

- *The trusted advisor: a farmer-centric case study in North-West Greece*
Eleni Pappa, Alex Koutsouris
- *Examining engagement patterns amongst collaborating organisations in the pluralistic agricultural extension system (PAES) in Kenya*
Wycliffe Oyunga, Ruth Nettle, Margaret Ayre, Michael Santhanam-Martin
- *From farm advisory regimes to KIBS market menageries. Effects of privatisation on technological change in the agricultural sectors of seven European countries.*
Pierre Labarthe
- *Analyzing the role of agricultural extension and education in improving the agricultural startups ecosystem*
A. Norouzi, H. Sadighi, E. Abbasi, H. Shabanali Fam, H. Mokhtari Aski
- *Local Action Groups and Leader approach in innovation transfer and governance policies: The case of Turkey*
Mücahit Paksoy

Session 4E – Thursday 13th, 09:00-11:00 - Room MB 404***Special Session Promoting evidence-based, participatory and foresight-informed policy-making for extension and advisory services to innovate and achieve transformative outcomes***

Chairs: Nevena Alexandrova-Stefanova (FAO), Patrice Djamen (CIRAD), Sarah Audouin (CIRAD), Zofia Krystyna Mroczek (FAO)

TOPIC 5 - Inclusion and the social dimension of sustainability

Convenors: Mark Moore and Pierre Labarthe

Session 5A – Monday 10th, 16:30-18:30 – Room MB 406**Social farming**

Chair: Mark Moore

- *The Advisors' role in Social Farming: a case study project*
Giulia Granai, Francesco Di Iacovo, Alessandra Funghi and Roberta Moruzzo
- *How is animal well-being affecting employees farmers and extension on large dairy farms ?*
Louise Axelson
- *Social Farming and Animal Assisted Intervention in rural context: a cultural change in social and health services for people*
Morgana Galardi, Laura Contalbrigo, Roberta Moruzzo
- *The potentials of an integrated approach to social sustainability in natural resource management – Swedish experiences from 50 land owner groups*
Magnus Ljung, Lars Johansson
- *Transition from connectedness to the nature to sustainable behavior of water conservation: An intervention for agricultural extension*
Zeynab Hallaj, Masoud Bijani, and Esmail Karamidehkordi
- *Theatre-Based Behaviour Change Intervention as an Agricultural Extension Tool for Farm Health, Safety and Wellbeing Training for Farmers*
Sinead Flannery, Anne Markey

Session 5B – Wednesday 12th, 11:00-13:00 – Room MB 406**Occupational health, safety and well-being**

Chair: Mark Moore

- *Managing Stress on the Farm*
Suzanna Windon
- *The mental wellbeing of young farmers in Ireland and the UK: driving factors, help-seeking and support: Implications for advisory and extension services*
Deirdre O'Connor
- *Dying to Farm – understanding the factors affecting farmer mental health and the support requirements*
Tomás Russell, Alison Stapleton, Anne Markey, Louise McHugh
- *Good farmers are safe farmers? Understanding the role of normative beliefs' in shaping farmers' safety behaviours.*
Brian Leonard
- *What would a relevant evaluation of occupational safety and health advisory services in agriculture be? Evidence of conflicting perceptions in the French context.*
Pierre Labarthe, Catherine Laurent, Nathalie Jas, Agnès Labrousse
- *How to deal with pesticide exposure and pest reduction.*
Marine Pithon, a perspective from a advisor for a local chamber of agriculture

Session 5C – Wednesday 12th, 14:00-16:00 – Room MB 406**Designing farm advisory services for Hard-to-reach population**

Chair: Pierre Labarthe

- *'I was always the farmer': The dynamics of young farmer education choices in Irish agriculture*
David Meredith
- *Institutional Evolution of Gender in Farm Advisory Services: A Canada-France Comparison*
Rivellie Tschuisseu
- *Supporting women's roles within family dairy farms – A case study of an Irish learning initiative*
Monica Gorman, Beth Dooley, Marion Beecher
- *How to make Johnes' Disease extension strategies more inclusive of 'disengaged' farmers*
Rosie Morisson - David Rose, Pete Orpin, James Hanks, Emma Taylor,
- *Our Farm, Our Plan - reaching the hard to reach*
Neil Webster

ROOM	Monday 10 th 16:30-18:30	Wed. 12 th 11:00-13:00	Wed. 12 th 14:00-16:00	Wed. 12 th 16:30-18:30	Thurs. 13 th 09:00-11:00
1-MB 401 (44 people max)	1A – Agroecology & Advisory policies	1B – Customising advice for transition 1	1C - Customising advice for transition 2	1D – Education policy for agroecology	1E - <u>Special Session</u> Carbon marke
2-MB 402 (30 people max)	2A - Critical perspective on digitalisation	2B - Designing & selecting digital solutions	2C - Farmers Adoption & Use of digital technologies	2D- <u>Special session</u> Farishare	3F – New advisory issues
3-MB 403 (38 people max)	3A – Extension tools (1)	3B - Extension tools (2)	3C - Education	3D – Supporting farmers	3E – Advisors’ competences & training
4-MB 404 (40 people max)	4A – New perspectives on AKIS	4B – Policy for innovation support services	4C – New methods & tools for policy	4D – Public & Private advice	4E <u>Special session</u> FAO
5-MB 406 (30 places)	5A - “Social farming”	5B- “Health & Safety”	5C- “Hard to reach”	3G – New innovation issues	1H - <u>Special Session</u> Serious games
6-MB 407 (38 places)	3H - <u>Special Session</u> Climate Smart	3I - <u>Special Session</u> Multi-Actor			