

FARMING AND RURAL SYSTEMS RESEARCH AND EXTENSION
European Farming and Society in Search of a New Social Contract – Learning to Manage Change

(Pre)Proceedings of the 6th European IFSA Symposium

Coordinated by

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With the collaboration of

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TABLE OF CONTENTS

<i>Preface</i>	ix
Symposium Organization and Programme	xi
<i>The IFSA European Symposia</i>	xi
<i>The 6th Symposium Committees</i>	xi
<i>The 6th Symposium Programme</i>	xii
<i>Topics and Content of Workshops</i>	xiii
Acknowledgements	xv

WORKSHOP 1

Food System: Food Quality and Safety for Sustainable Rural Development

<i>Interdisciplinary Dialogue for Sustainable Systems</i>	3
Alice Woodhead, Abigail Jenkins and Roger Packham	
<i>The Role of Geographical Labelling to Insert Extensive Cattle into Beef Marketing Channels. Evidence from Three Spanish Case Studies</i>	15
Almudena Gómez Ramos, Isabel Bardají Azcárate and Ignacio Atance Muñiz	
<i>Creating and Fixing Quality Relationships in the Organic Producer to Consumer Chain: From Madagascar to Germany</i>	25
Cathy Rozel Farnworth	
<i>Organic food initiatives and their transformative power on the conventional food system</i>	41
Gunnar Vittersø, Bjørn Jansen, Geir Lieblein, Hanne Torjusen and Edvin Østergaard	
<i>Recognizing the farmer: Local food systems can provide improved social conditions for farmers</i>	53
Helena Nordström Källström	
<i>Agri-environmental Problems in Farming Systems of Central and Eastern European Countries Change During Transition 1989-2003</i>	63
John Sumelius, Stefan Bäckman and Timo Sipiläinen	
<i>Traditional Products and industrialization processes: The Coherence of Geographical Indications</i>	69
Maryline Filippi and Pierre Triboulet	
<i>Sustainable Rural and Commercial Development (The BNU-Program): Participant Cooperation, Multi--Dimensionality and Learning</i>	85
Torger Gillebo	
<i>How to analyse technical adaptability of dairy farms involved in quality cheese production? Case study of non-pasteurized cheese production with Protected Geographical Indication label in the Pyrenean Mountains</i>	97
Vincent Thénard, François Coleno, Jean-Pierre Theau, Laurent Marey and Michel Duru	

WORKSHOP 2

The sustainability of small scale farming

<i>Are Social and Human Capital Important in Promoting Continuity of Farming? Evidence from Polish Farmers</i>	107
Axel Wolz, Jana Fritsch and Klaus Reinsberg	
<i>Farming Systems Research and Consumer Behaviour Theory</i>	117
Geoff Kaine, Jo Vigliaturo, Denise Bewsell and Neels Botha	
<i>The influence of agritourism on the human and social environment: The cases of Trikala and Ikaria in Greece</i>	127
H. Theodoropoulou	
<i>Work and income patterns of men and women of Norwegian family farms: Masculinisation, feminization, or professionalisation of farm work?</i>	139
Hilde Bjørkhaug and Arild Blekesaune	
<i>Pluriactivity and succession in small family farms: The case of two less favoured areas in Greece</i>	151
I. Gidarakou, L. Kazakopoulos and A. Koutsouris	
<i>Early Experiences of Participatory Learning and Action Research with Organic Farmers in Sweden</i>	161
Karin Eksvärd and David Gibbon	
<i>The Concept of Eco-regions in Austria</i>	173
Markus Schermer	
<i>Conditions for sustainable farming systems: Lessons from implementation of the Territorial Farm Contract</i>	185
Mohamed Gafsi	
<i>Assessing Socioeconomic Resilience of Rural Livelihood Systems in an Ecuadorian Agrosocioecosystem</i>	195
Norman E. Breuer, Peter E. Hildebrand and Victor E. Cabrera	
<i>Meeting the challenges of change: Cattle farms in Vina (Cameroon) between opting for security, diversification or intensification</i>	207
Patrice Djamen Nana	
<i>Organic Farming in Austria with the concept of Selbsternte: A new and innovative production system for small-scale farming connecting farmers and consumers</i>	221
Paul Axmann and Christian R. Vogl	
<i>Rural landscapes: Case study of Village Plans in Central Portugal (“Network of Schist Villages”)</i>	233
Paulo Carvalho	
<i>Constructing sustainable agriculture at local level. Insights from small-scale farming in the Alps</i>	244
Philippe Fleury, Sandrine Petit, Ernst Mattanovich, Giorgio De Ros and Valérie Miéville-Ott	
<i>Flexibility of suckler cattle farms in the face of uncertainty within the beef industry: A proposed definition</i>	259
S. Ingrand, H. Bardey and J. Brossier	
<i>How to model work organisation in livestock farms implementing a combination of economic activities?</i>	269
Sophie Madelrieux, Benoît Dedieu and Laurent Dobremez	

WORKSHOP 3

Natural resources management and farm functions in landscape construction

<i>Towards multi-functional agriculture – what motivates German farmers to realise biodiversity conservation?.....</i>	283
A. Knierim and Dr. R. Siebert	
<i>Landscape Prototyping: towards an integrative approach for the design and analysis of multifunctional agricultural landscapes ...</i>	293
André Jellema, Walter A.H. Rossing and Paul F.M. Opdam	
<i>Water and wildlife on a commercial farm: multifunctional management of set-aside and other natural resources in lowland England.....</i>	303
Chris Stoate	
<i>Struggling for Rural Environment: Conflicts between desires and needs in Portuguese rural areas</i>	311
Elisabete Figueiredo	
<i>Studying the Effect of Organic Farming on Rural Landscapes: Issues of Methodology and Scale</i>	325
Gregor Levin	
<i>The Indeterminacy of Technical Effects: The Case of the 2nd. Generation Water Conservation Project, The Netherlands.....</i>	335
Janice Jiggins and Niels Röling	
<i>Agricultural Land Design Modelling: a methodological proposal.....</i>	349
Marc Benoît, Eric Kernéis, Yves Pons, Alain Gerbaud, Sylvia Herrmann and Florence Le Ber	
<i>Nature management and livelihood strategies on Danish organic farms.....</i>	361
Pia Frederiksen and Vibeke Langer	
<i>Combinations of productive and environmental functions in a farmland area: synergies and antagonisms: Method of analysis and application in a small area in a mixed crop-livestock farming area in France.....</i>	375
Rapey H., Klingelschmidt F., Josien E., Lardon S., Servièrre G. and Fiorelli C.	
<i>Farms considered as units of management of natural resources at various landscape scales: needs for concepts and methods. Illustration with French cases of study</i>	387
Thenail, C., Joannon, A., Mignolet, C. and Maigrot, J.-L.	
<i>The Continuous Re-creation of a Swedish Rural Community: Moose hunting, The School, The Church, Agriculture</i>	399
Yvonne Gunnarsdotter	

WORKSHOP 4

Knowing and Learning: labour and skills at stake for a multidimensional agriculture

<i>Organising for change – a national approach to meet the challenge for the Australian dairy industry</i>	413
A.E. Crawford, M.S. Paine and T.M. Davison	
<i>Farmers' expectations of farmers' organisations in Minas Gerais, Brazil: extension rhetoric or practice?</i>	427
Ana Alice Vilas Boas and Patricia Goldey	
<i>Learning new skills by French farmers. Evolution and unevenness of the beliefs.....</i>	439
Catherine Macombe	

<i>From one-off events to learning systems and communities of practice.....</i>	449
Chris Blackmore	
<i>Preparing for a new agri-environment scheme in England: influences on farmer participation.....</i>	459
Chris Stoate	
<i>An everyday tale of farming folk</i>	467
Colin Newsham	
<i>CTE as a process of competences' transformation?</i>	471
Dupeuble T.	
<i>The Response-Ability of Networks: Healthy and Sick Agricultural Knowledge Networks in the Netherlands</i>	483
Eelke Wielinga	
<i>Learning Innovation: Teacher Education for a Multidimensional Agriculture</i>	497
Edvin Østergaard and Erling Krogh	
<i>Management of multidimensional farming - the perspective of farm enterprises as heterogeneous self-organising systems</i>	507
Egon Noe	
<i>Innovation and Development: Intensification / Disintensification Paradigms - Reflections from the French Experience</i>	517
Gilles Allaire and Jean Boiffin	
<i>Potentials of the agricultural adviser: The specialist, the reflective specialist and the reflective listener</i>	527
H. J. Andersen	
<i>Participative learning for the Future: using interactive farmer-research networks in the development of new plant production systems in The Netherlands</i>	537
Hans Langeveld and Jet Proost	
<i>Changing our perspectives on learning to manage change</i>	549
Harold Mattner, Roger Packham and Richard Bawden	
<i>Facilitating participatory evaluation as a learning process</i>	561
Hasnawaty Habibie, Nadarajah Sriskandarajah and Roger.G. Packham	
<i>Partnership as a Special Case of Participation: an Experience of Cooperation Among Farmers, Researchers and Extensionists in Brazil.....</i>	573
Heribert Schmitz	
<i>Spatial and temporal boundaries, stakeholder ownership and the power of people in Action Research and Extension processes.....</i>	585
Jess Jennings and Roger Packham	
<i>Rural Areas are Shaping the Future: Some Experiences with the Regional Action Programme in Germany</i>	595
Karlheinz Knickel and Sarah Peter	
<i>Continuous Business Improvement: An animal difficult to domesticate.....</i>	605
Kate Roberts and Mark Paine	
<i>Knowing and Learning: Views of Extension Agents concerning their Training Needs for Agriculture and Rural Development in Myanmar</i>	615
Khin Mar Cho and Hermann Boland	

<i>FSR's possibilities and shortcomings – the necessity of learning from and with farmers' knowledge and worldviews. Insights from a Case Study in Peru</i>	623
Kristina Marquardt	
<i>The Farm as a Pedagogical Resource: Background for and evaluation of the co-operation between agriculture and primary school in the county of Nord-Trondelag, Norway</i>	633
Linda Jolly, Erling Krogh, Tone Nergaard, Kristina Parow and Berit Verstad	
<i>Change in Management of Information Systems in Czech Agriculture</i>	645
Milan Slavik and Emil Kriz	
<i>Learning and professional development in advisory services: supporting the reflective practitioner</i>	653
Mark Paine, Ruth Nettle and Steven Coats	
<i>Strengthening local food systems: tracing learning of knowledge and skills by content and discourse analysis</i>	663
Minna Mikkola	
<i>From farm advisory work to new practices facilitating learning in rural areas: The case of a saffron association in south-west France</i>	673
Nathalie Girard, Christophe Albaladejo and Julie Labatut	
<i>Learning from change – A case study method to support learning and evaluation within systems projects</i>	687
R.A. Nettle, M.S. Paine and P. Brightling	
<i>Role Models and Farm Development Options: A Comparison of seven Swiss farm families</i>	699
Ruth Rossier	
<i>Social learning and the changed construction of nature conservation</i>	711
Severine van Bommel	
<i>PLA - a catalyst for good local governance?</i>	723
Silke Stöber	
<i>Participative Research to Develop a Model for Decision Making in Precision Agriculture</i>	735
Spyros Fountas, Hanne Lipczak Jakobsen, and Simon Blackmore	
<i>Water management and environmental awareness: a case study on nursery gardening in Tuscany, Italy</i>	745
T. Bozzoli, G. Brunori and M. Rovai	
<i>Cognitive styles and networks patterns; a combined approach of learning processes in sustainable agriculture</i>	757
Y. Chiffolleau and F. Dreyfus	

WORKSHOP 5

Combined micro-economic and ecological assessment tools for sustainable rural development

<i>Changing views of innovation and the role of science. The 'socio-technical root-system' as a tool for identifying relevant cross-disciplinary research questions</i>	773
Cees Leeuwis	
<i>Environmental and economic assessment of agricultural production practices at a regional level based on uncertain knowledge....</i>	783
Claudia Sattler and Peter Zander	

<i>The impact of European Agri-environmental Policy on Organic Citrus Growing: A case study of Calabria (Italy), and the Comunidad Valenciana (Spain)</i>	797
Elena M ^a Peris Moll, Juan Francisco Juliá Igual and Franco Gaudio	
<i>Towards more ecoefficient food production: MFA approach</i>	805
H. Risku-Norja, I. Mäenpää, K. Koikkalainen, P. Rikkinen and P. Vanhala	
<i>Integrating Soil Erosion and Profitability in the Assessment of Silvoarable Agroforestry at the Landscape Scale</i>	817
J. Palma, A.Graves, A. Bregt, R. Bunce, P. Burgess, M. Garcia, F. Herzog, G. Mohren, G. Moreno and Y. Reisner	
<i>The LEADER and PRODER Programmes: A Real Contribution to Rural Development? The Galician Case</i>	829
Pérez Fra, M. Mar, Verdugo Mates, Rosa. M. and López Iglesias, E.	
<i>“The quality of rural life – Investigating the relationship between farming styles and biodiversity in Austrian agricultural landscapes”</i>	843
Schmitzberger, I., Wrбка, T., Peterseil, J., Steurer, B., Aschenbrenner, G. and Zechmeister, H.	
<i>“Economic and Ecologic Assessment of Groundwater Nitrogen Pollution from North Florida Dairy Farm Systems: an Interdisciplinary Approach”</i>	857
Victor E. Cabrera	
 POSTERS	
<i>The Provision of Information, Advice and Training to the Scottish Farming Sector: a Study of the Key Organisations</i>	873
A. M. Dahlin and F.Quin	
<i>Evaluation of Agricultural Sustainability by the Mesmis Method: a First Approach</i>	875
Alexandre Manuel Silva Dinis Poeta and Ana Alexandra Vilela Marta Rio Costa	
<i>Use of Indicators as Tools of Decision-Making</i>	879
Anja Yli-Viikar and Leena Savisalo	
<i>Swot Analysis of a Reforestation project with <i>Caesalpinia spinosa</i> in the central sierra of the Huacar District (Perù)</i>	883
Bernardini C., Contini C. and Omodei Zorini L.	
<i>Study on Productive and Economic Indicators in Two Types of Sheep Farms in Bulgaria</i>	887
Dimitrinka Kuzmanova, Doytcho Dimov and S. Chipeva	
<i>Food Safety. Consumers’ Reaction to a False Alert: <i>Listeria</i> in a French Cheese</i>	893
Eric Cahuzac, Daniel Hassan and Sylvette Monier-Dilhan	
<i>Learning experience through theoretical, practical and experiential knowledge: a case study in North Tuscany (Italy)</i>	895
Galli Mariassunta and Bonari Enrico	
<i>Scenario development as methodological approach for defining vision for rural landscapes: case study southeast Portugal</i>	897
Isabel Loupa Ramos	
<i>Using a landscape scale to approach resources management and farm functions: the case of vanishing wooded structures and small ruminants itinerancy over the agrarian matrix</i>	899
José Castro and Marina Castro	
<i>Aspects of Interdisciplinary Research on Nature Quality in Organic Farming Systems</i>	901
K. Tybirk and J. Fredshavn	
<i>Minifundios and Metropolis: territorial management of Organic Farming in Ibiúna (São Paulo, Brazil)</i>	903
L. Santiago de Abreu and S. Bellon	
<i>Subsided planted hedgerows as part of construction of rural landscape in Brittany (France)</i>	907
Laurence Le Du-Blayo	
<i>The Role of Consumer in Saving the Cultural Landscape in the Countryside</i>	909
Leena Savisalo	

<i>Sustainability and Diversity in the Production Systems of Rural Settlements in Brazil</i>	911
Leonardo de Barros Pinto, Julieta Teresa Aier de Oliveira and Sonia Maria Pessoa Pereira Bergamasco	
<i>Coordination of farmers activities and land use patterns: from single-scale management to multi-scale management</i>	913
Mathieu Capitaine, Jacques Baudry and Marc Benoit	
<i>Framework for assessing the Sustainability of Agricultural Systems: the SAFE concept</i>	915
N. Van Cauwenbergh, C. Bielders, V. Brouckaert, V. Garcia, M. Hermy, E. Mathijs, B. Muys, J. Valckx, M. Vanclooster, E. Wauters and A. Peeters	
<i>Find your way to rural landscapes: contributions to integrated approaches for landscape analysis and management</i>	919
Pinto-Correia T., Breman B., Dneboská M., Doorn A. van, Ferreira A., Horst E.ter, Oliveira R. and Ramos I.L.	
<i>Tools of assessment and monitoring for sustainable agriculture in mountain areas. An experience in Alps (France , Austria, Italy, Switzerland)</i>	921
S. Petit, L Dobremez, K. Steininger, O. Roque and P. Fusani	
<i>Communal Land Use and Management Systems in Northern Portugal</i>	923
Sónia Ribeiro, Artur Cristóvão and João Galhano	
<i>Disentangling marginalisation processes in rural Portugal</i>	925
Teresa Pinto Correia and Bas Breman	

Using a landscape scale to approach resources management and farm functions: the case of vanishing wooded structures and small ruminants itinerancy over the agrarian matrix

José Castro and Marina Castro*

Abstract

The agrarian policy of national governments and EU, practiced for decades, was part of a growth-oriented industrialization and economic policy. This had led, among other things, to the loss of diversified rural landscapes, which had developed in the course of history; sites and utilization, both in area and time, tend to be standardized. As a consequence, not only habitats had been lost, which is documented by an increasing number of wildlife species threatened by extinction, but also a considerable number of domestic animal and plant species have become misplaced of their natural context, in spite of some of them have been artificially maintained last decade by compensatory issues of new “environment oriented” CAP.

Authors look upon two examples of threatened landscape process in three rural communities of Trás-os-Montes: (1) the vanishing punctual, linear and spatial wooded structures of agricultural matrix, and (2) the flocks' itinerancy of native sheep and goats. In the first case, the reduction in punctual (since 1950 by -50 percent) and linear (since 1950 by -75 percent) wooded structures, as a result of functional lack such as fencing, animal forage, summer sheltering, handcraft tools, etc could have consequences in many landscape ecological process (soil loss, hydrological disturbance, seed bank removal, fragmentation, etc.). In the second case, new perennial plantations of olives and chestnuts, resulting in several constraints to animals' circuits and forage resources availability, have disrupted traditional cereal open fields and spatial rotation. Implications for relationships of process on patterns in landscape dynamics, and incoherent consequences of financial support of some productions are discussed. The landscape scale has allowed the identification of some conflicts among environmental CAP issues for specific natural resources protection and the landscape functions in the farming system.

* ESABragança.