Contents

List of Authors xiii

Introduction xix

Part I Multifunctional Concepts, Societal Demand and Impact Assessment

1.1 The Operational Framework of the MEA-Scope Project
A. Piorr and K. Müller 3

1.2 Agricultural Activities, Rural Areas and Natural Environment: Drawing Up the Frontiers of the Multifunctionality Concept
S. Ferrari and M. Rambonilaza 21

1.3 Multifunctionality Concepts: A Critical Assessment of the Framework Approaches
L. Casini and G.V. Lombardi 35

1.4 Societal Demand for Commodity and Non-commodity Outputs – A Regional Perspective
C. Schader, H. Moschitz, C. Kjeldsen, J. Wasilewski, M. Stolze 53

1.5 TOP-Mard Problematique, Structure and Progress – The Case of Norway
J. Bryden and K. Refsgaard 73
Part II Modelling of Policy Induced Structural Change and Adaptation of Agricultural Practices

2.1 The MEA-Scope Modelling Approach

2.2 A Scenario-Wise Analysis of Economic and Environmental Impacts in the MEA-Scope Case Study Regions
S. Uthes, C. Sattler, A. Sahrbacher, V. Hutar, G. Amon, E. Perret, H. R apey, L. Podmaniczky, A. Ciancaglini, J. Wasilewski, L. Mogensen

2.3 Recreating Context in Spatial Modelling of Agricultural Landscapes
M. Damgaard, C. Kjeldsen, F. Ungaro

2.4 Spatial Characteristics of Land Use Patterns in Mugello (Central Italy) and Policy Impacts on Their Environmental Outputs
F. Ungaro, A. Ciancaglini, C. Sattler, S. Uthes, M. Damgaard, K. Happe, A. Sahrbacher

Part III Linking Scales, Policy Issues and Impacts

3.1 Scaling from Farm to Landscape
T. Dalgaard, C. Kjeldsen, M.S. Jorgensen, N. Hutchings, L. Mogensen, A. Sahrbacher, M. Damgaard, K. Happe, A. Piorr

3.2 Analysing Exemplary Policy Issues Using the MEA-Scope Framework
A. Sahrbacher, K. Happe, S. Uthes, C. Sattler, T. Dalgaard
3.3 Implementing the Indicators of the MEA-Scope Multifunctionality Impact Assessment Approach: A Gap Between Supply and Demand of NCOs?
Y. Waarts, K. Happe, T. Dalgaard, P. Zander

Part IV Regional and Local Case Study Stories of a Europe in Change

4.1 Environmental Impacts of Pillar I and II with Specific Respect to Designated Areas – Results from the MEA-Scope Case Study in Germany
C. Sattler, S. Uthes, U. Heinrich

4.2 Validation of an Agent-Based, Spatio-Temporal Model for Farming in the River Gudenå Landscape. Results from the MEA-Scope Case Study in Denmark
M. Damgaard, C. Kjeldsen, A. Sahrbacher, K. Happe, T. Dalgaard

4.3 Impacts of Three Direct Payment Options on Farm Structure, Economic Performance and Production Pattern: Results from the MEA-Scope Case Study in Italy
A. Ciancaglini, G. Piani, S. Uthes, M. Damgaard, F.-J. Reinhardt, K. Happe, A. Sahrbacher

4.4 Possibilities for the Development of Mixed Crop-Beef Farming in the Kościán Region Based on Natural Fodder Resources. Results from the MEA-Scope Case study in Poland
J. Bieńkowski, J. Jankowiak, A. Kędziora, J. Wasilewski
4.5 Multifunctional Farming and Survival Strategies in the Borsodi Floodplain

B. Balázs, B. Bodorkós, G. Bela, L. Podmaniczky, K. Balázs

Index
Rural Landscapes and Agricultural Policies in Europe
Piorr, A.; Müller, K. (Eds.)
2009, XXIII, 313 p., Hardcover
ISBN: 978-3-540-79469-1