

# Agricultural Cooperative Management and Policy

## (New Robust, Reliable and Coherent Modelling Tools)

### A Book Review

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#### 1. Introduction

The objective of this work is the book “Agricultural Cooperative Management and Policy (New Robust, Reliable and Coherent Modelling Tools)”, 978-3-319-06634-9, from Springer Series “Cooperative Management”, review.

Zopounidis, C., Kalogeras, N., Mattas, K., van Dijk, G., Baourakis, G. Editors of this book, assume in the presentation three main achievements:

1. Presents new modelling tools for the analysis of agricultural and environmental policy
2. Explains recent trends in agricultural cooperative systems,
3. Offers a powerful environment for decision making.

It is composed of twenty two chapters, tidied in seven parts:

#### **PART I - RISK MANAGEMENT AND PRICING ISSUES IN AGRICULTURE POLICY ANALYSIS**

1. VAR Models for Dynamic Analysis of Prices in the Agri-food System  
Leucci, A. C. (et al.)



2. Irrigation Water Resource in a Rice-Growing Area: Economic Evaluation under Different Pricing Conditions  
Sali, Guido (et al.)

3. Stochastic Partial Equilibrium Modelling: An Application to Crop Yield Variability  
Feng, Siyi (et al.)

#### **PART II - ESTIMATING INCOME AND PERFORMANCE LEVELS**

4. Alternative Specifications of Reference Income Levels in the Income Stabilization Tool  
Finger, Robert (et al.)

5. Developing of Modelling Tool for Policy and Economic Rent in Agriculture  
Bezat-Jarzębowska, A. (et al.)

6. Performance Evaluation of Rural Governance Using an Integrated AHP-VIKOR Methodology  
Romeo, Giuseppa (et al.)

#### **PART III - SURVEYING AND EXPERIMENTAL DESIGNS IN AGRICULTURAL POLICY ANALYSIS**

7. Consumers' Perception of Wastewater Usage in Agriculture: Evidence from Greece  
Anastasiadis, Foivos (et al.)

8. Modelling Structural Change in Ex-Ante Policy Impact Analysis  
Offermann, Frank (et al.)

9. Public Preferences for Climate Change Adaptation Policies in Greece: A Choice Experiment Application on River Uses

Andreopoulos, Dimitrios (et al.)

10. The Stakeholder Analysis: A Contribution Toward Improving Impact of Rural Policy

Benedetto, G. (et al.)

#### **PART IV – THE INFLUENCE OF CLIMATE CHANGE AND CONSTRAINTS**

11. Impacts of Climate Change on Agriculture Water Management: Application of an Integrated Hydrological-Economic Modelling Tool in a Semi-Arid Region

Scardigno, A. (et al.)

12. Expanding Agri-Food Production and Employment in the Presence of Climate Policy Constraints: Quantifying the Trade-Off in Ireland

Miller, Ana Corina (et al.)

13. Development and Application of Economic and Environmental Models of Greenhouse Gas Emissions from Agriculture: Some Difficult Choices for Policy Makers

Donnellan, Trevor (et al.)

#### **PART V – REGULATORY CHANGES AND MANAGEMENT OF EMISSIONS**

14. Economic Incentives and Alternative Nitrogen Regulation Schemes: A Spatial Sector Economic Modelling Approach

Jensen, Jørgen D. (et al.)

15. Conservation Agriculture as a Driving Force to Accumulate Carbon in Soils: An Analysis of RDP in Lombardy

Corsi, Stefano (et al.)

#### **PART VI – ASSESSING DIFFERENCES IN POLICY IMPLEMENTATION ACROSS COUNTRIES AND SECTORS**

16. Cross-Atlantic Differences in Biotechnology and GMOs: A Media Content Analysis

Galata, Lena (et al.)

17. Examining the Evolution of Agricultural Production of Three SAARC Countries: Bangladesh, India, and Pakistan

Rezitis, Anthony N. (et al.)

18. Assessing the Evolution of Technical Efficiency of Agriculture in EU Countries: Is There a Role for the Agenda 2000?

Vlontzos, G. (et al.)

19. Agriculture Commodity Prices Forecasting Using a Fuzzy Inference System

Atsalakis, George S.

#### **PART VII – GREENING CRITERIA FOR AGRICULTURAL AND RURAL POLICY MANAGEMENT**

20. Assessment of CAP Reform 2014–2020 in the Emilia-Romagna Region

Gigante, R. (et al.)

21. Measuring Biodiversity of Cropping Structure with the Use of FADN Data

Was, Adam (et al.)

22. Economic Efficiency of Production Systems in the Gharb Irrigated Area (Morocco) Affected by Access to Water Resources

Harbouze, R. (et al.)

## **2. The review**

As it was specified above, this book integrates the Springer Series “Cooperative Management”. It is important to note here that in its presentation are established, among other commitments, the following ones:

- It provides an invaluable forum for creative and scholarship work on cooperative economics, organizational, financial and marketing aspects of business cooperatives and development of cooperative communities throughout the Mediterranean region and worldwide.

-The main objectives of this book series are to advance knowledge related to cooperative entrepreneurship as well as to generate theoretical knowledge aiming to promote research within various sectors wherein cooperatives operate (agriculture, banking, real estate, insurance, and other forms).”

These commitments, which are classifiable as extremely noble and worthy, are also made in the book's preface. They are also extremely ambitious and very difficult to implement.

It turns out that the book we are to appreciate answers to these challenges in an extremely thorough way, even brilliant.

The title works as a brilliant summary- completeness of its content. Really it is focused in the development of new robust, reliable and coherent modelling tools for agricultural and environmental policy analysis, on the practice of farm level, micro- and macro-data of cooperative systems and networks. Even the role of the public sector is taken into account both economically and in political terms and, not least, the management performance. That is in the many ways assumed by their decision-making. Note that the authors assume their hope that this book helps the EU decision-makers.

Contributors, editors and authors, of this book are to be congratulated since they produced a very good text in which patented a great sense of social commitment and a huge scientific ambition.

The quality and quantity of models, methodologies and technologies presented and developed in the areas of agricultural and environmental management give this book a character of completed and exhaustive and also innovative work. Also point out the large number of practical situations considered and its large geographical extensiveness.

In short, a book of huge importance and very ambitious, which strongly binds the reader, scientifically impeccable and with noble objectives. Indispensable for both scholars and practitioners working in the fields of business economics, cooperative management, risk management and agriculture policy. Also, accessible to anyone curious in these matters and that want to improve their culture on them.