

# **Livestock farming systems**

**Product quality based on local resources  
leading to improved sustainability**



**EAAP publication No. 118, 2006  
Benevento, Italy**

## Contents

<b>Foreword</b> <i>C. Nardone</i>	1
<b>Introduction</b> <i>D. Matassino</i>	3
<b>Preface</b> <i>A. Gibon</i>	5
<b>Chapter 1: Product quality in livestock production: change in views and values</b>	
Local resources and typical animal products <i>F. Casabianca &amp; D. Matassino</i>	9
Food quality and human health: the human medicine point of view <i>N. Caporaso, P. Vitaglione, V. Fogliano, A. Ritieni, S. Stingo, A. Carbone &amp; F. Morisco</i>	27
Animal food quality and human health: the animal science point of view <i>C. Kijora, K.J. Peters, A. Nardone &amp; M.G. Keane</i>	37
Animal genetics and functional food <i>F. Pilla, A. Valentini, J.A. Lenstra &amp; P. Martin</i>	49
Establishing a quality convention, certifying and promoting the quality of animal products: the case of beef <i>B. Sylvander, G. Belletti, A. Marescotti &amp; E. Thévenod-Mottet</i>	61
Consumer attitudes towards specific beef and lamb quality products in different European regions <i>A. Bernués, A. Olaizola &amp; K. Corcoran</i>	83
<b>Short papers</b>	
Ass milk: nutritional and functional characteristics <i>E. Salimei, F. Fantuz, P. Polidori, R. Coppola, B. Chiofalo &amp; G. Varisco</i>	93
The origin attribute as a quality factor and as an element conditioning attitudes towards purchasing beef <i>M.T. Maza, V. Ramirez &amp; E. Manrique</i>	99
Consumers' evaluation of traditional Extremaduran cheeses through factor analysis <i>F. Pulido, F.J. Mesias, A. Rodríguez &amp; M. Escribano</i>	103
Marketing of agricultural products: strengthening of regional and socio-cultural values in the Netherlands and of bulk production values in Greece <i>S.J. Oosting, A.J. Sol &amp; N. Kalogeris</i>	109

The PDO Pélardon, the federator of new individual and collective dynamics <i>M. Napoléone &amp; J.-P. Boutonnet</i>	259
--	-----

## Short papers

The contribution of grazing management to the conservation of bird habitats <i>E. Kernéis, M. Tichit &amp; F. Léger</i>	267
--	-----

Multicriteria environmental assessment of contrasting pig farming systems <i>C. Basset-Mens &amp; H.M.G. van der Werf</i>	271
--	-----

Economic indicators in extensive sheep farms in the dehesa system in Spain <i>M. Escribano, A. Rodríguez de Ledesma, F. Mesías &amp; F. Pulido</i>	279
---	-----

Sheep and goat farming practices in a hilly and mountainous area of South Greece (Messinia) <i>G. Zervas &amp; M. Samouchos</i>	287
--	-----

## Chapter 5: The search for local avenues for sustainable development of livestock farming systems: trails and trials

Diversity of dairy systems and products in France and in Europe: the assets of less favoured areas <i>A. Pflimlin, C. Perrot &amp; P. Parguel</i>	293
--	-----

The impact of CAP changes on EU farming with special reference to cattle farming and Ireland <i>W. Dunne &amp; J.J. O'Connell</i>	309
--	-----

Partner Farms: experiences with livestock farming system research to support intersectoral cooperation in the Netherlands <i>J. de Wit, U. Prins &amp; T. Baars</i>	317
--	-----

Cattle farming systems in the Peneda mountain: a tentative assessment of sustainability <i>J. Côte-Real Santos</i>	323
---	-----

References for implementation of an outdoor pig production system in the Basque Country (Spain) <i>R. Ruiz, A. Domingo &amp; L.M. Oregui</i>	329
---	-----

Development of a methodology for assessing sustainable development in egg production <i>H. Mollenhorst &amp; I.J.M. de Boer</i>	335
--	-----

## Short papers

Diversity and sustainability in the pig industry in Guadeloupe <i>M.-F. Zebus, G. Alexandre, N. Dauphin &amp; J.-L. Diman</i>	341
--	-----

Animal production systems distribution in Mexico City <i>J. Vieyra, H. Losada, A. Castillo, J. Cortes, R. Soriano &amp; G. Alonso</i>	347
A study of the animal production in the municipality of Nezahualcoyotl City, State of Mexico <i>J. Vieyra, H. Losada, A. Castillo, J. Cortes, R. Soriano &amp; G. Alonso</i>	351
The diversity of ruminant rearing systems in Guadeloupe: positions within the industry and its sanitary regulations <i>J.-L. Diman, M. Naves, G. Alexandre &amp; M.-F. Zébus</i>	355
Organization of a local integrated chain for the production of natural goat products <i>D. Dinev &amp; N. Todorov</i>	361
Herd dynamics of medium scale dairy farms under a mixed farming system in the Nile delta region <i>M.A. El-Wardani, T.H. Shalaby &amp; F.E. El-Keraby</i>	367
The concept of flexibility and the analysis of livestock farming systems: illustration using extensive beef cattle systems in Argentina <i>E. Chia, B. Dedieu &amp; R. Perez</i>	373
The “production workshop” to model herd management decisions: examples in sheep and beef cattle dynamic herd models <i>B. Dedieu, S. Cournut, S. Ingrand, L. Perochon &amp; J. Agabriel</i>	379
Comparison of grazing management systems for calf and yearling steers <i>M. G. Keane</i>	385
Effect of feed block supply on in vitro fermentation and growth kids reared on woody vegetation <i>A. Gasmi-Boubaker &amp; C. Kayouli</i>	389
<b>Conclusion</b> <i>A. Gibon</i>	<b>395</b>