Sistemas silvopastorales en Portugal: perspectivas para o montado, um sistema multifuncional

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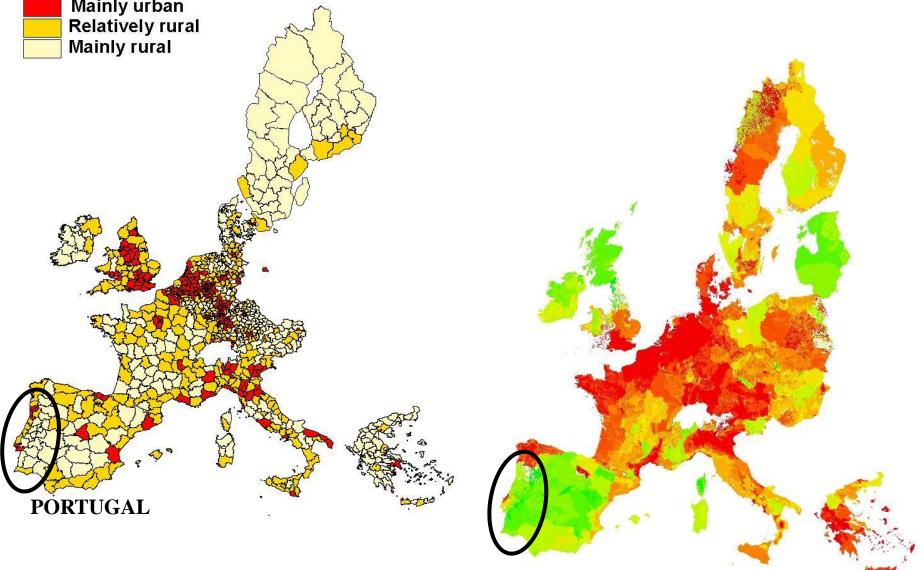


Rural peripheries of Europe

Rural / Urban

Mainly urban

Farming intensity



an empty countryside ?

Rural	Surface		Population	
		%	%	
Urban		17	55	
Ind.& Sei	vices	15	18	
Agricultu	ral	9	11	
Low Dens	sity	59	16	





specific Mediterranen landscapes: 2 types of High Nature Values Farming Systems

Type I

Type II

Farmland with high proportion of semi-natural vegetation Large scale holdings (> 100 ha) Silvo pastoral land use-Montado Extensive grazing Hunting Farmland with a mosaic of low intensity agriculture and natural+structural elements Small scale Olive groves, grazing and vegetable gardens Multiple uses





Small scale mosaic, mixed land cover: niche productions + lifestyle farming + residence + 2nd home



MONTADO: agro-silvo pastoral system open oak forest + extensive grazing





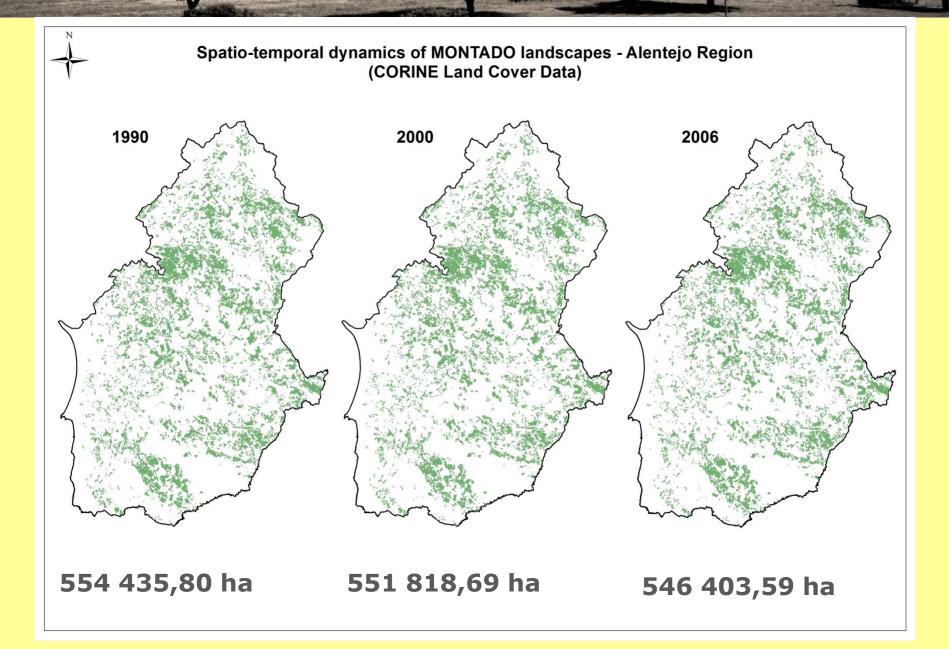




MONTADO: multifunctional landscape hotspot for multiple public goods

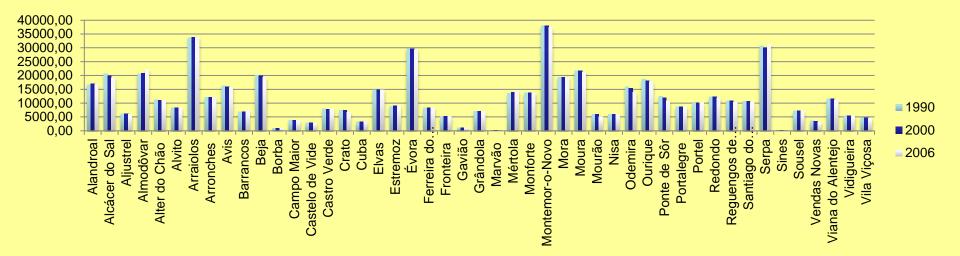


the MONTADO along time



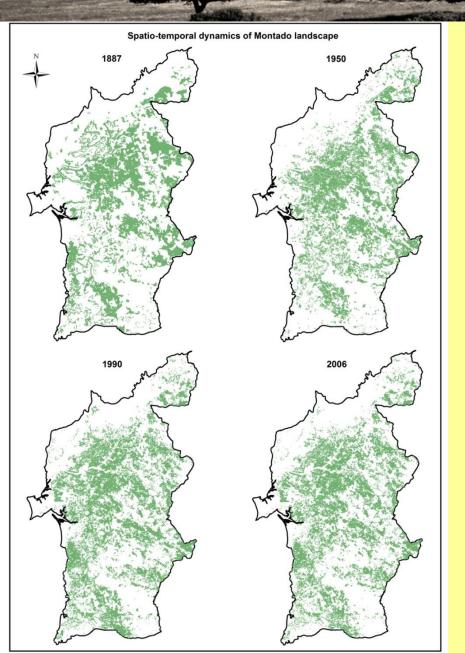


1990 – 2000	- 2617,11 ha
2000 - 2006	- 5415,10 ha
1990 - 2006	- 8032,21 ha



1990 – 2006 (Lost)	1990 – 2006 (Gain)		
Alcácer do Sal - 1358 ha	Almodôvar + 1500 ha		
Odemira - 2000 ha	Almodôvar + 800 ha		
Ponte de Sôr - 1700 ha	Serpa + 600 ha		

the MONTADO along time

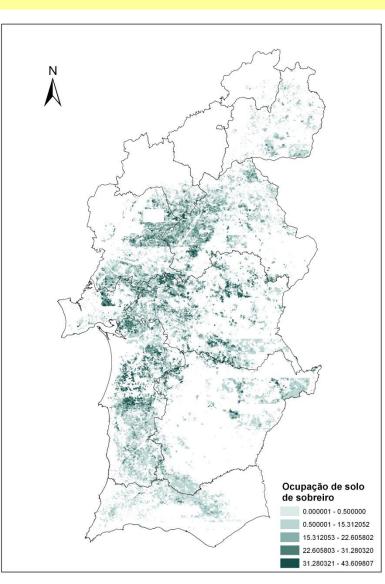


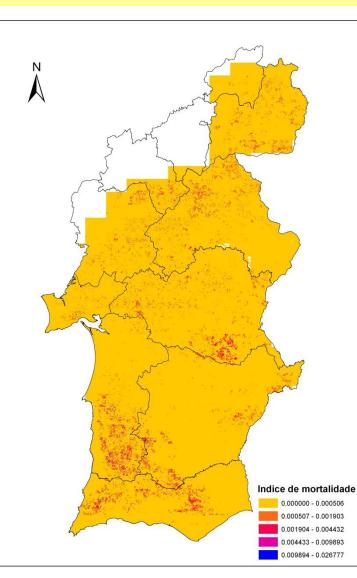
L 887	1	189	200	ha
L 950	1	154	192	ha
L 990	1	340	786	ha
2006	1	251	191	ha

highly resilient, but now threathened ?

1887 - 1950	- 35 000 ha
1950 - 1990	+ 187 000 ha
1990 - 2006	- 90 000 ha

National inventory of cork oak mortality 2004/06





329 323 dead trees

10 867 659 m2 crown cover loss

7 409 767 kg cork production loss

MONTADO main changing trends >> threats:

INTENSIFICATION

- Over-exploitation of tree cover by cork harvest and prunning for charcoal production
- Over-grazing >> soil compaction, increased erosion and hinders tree regeneration
- Mechanized and deep ploughing >> affect root system and weakens the trees
- Replacement by intensive, high income crops:

ex.vineyard and olive

EXTENSIFICATION

- Extreme decay of cultivation in under-cover rotation
- Shrub encroachment and increased fire risk
- Abandonment of grazing

Landscape simplification + loss of specific character

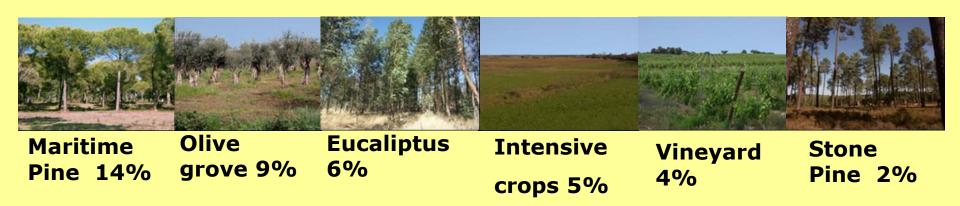
How does the public consider the Montado ?



expressed preferences for land cover types, among all land cover types in Alentejo

survey to different user groups - 2008 n = 232 in four municipalities

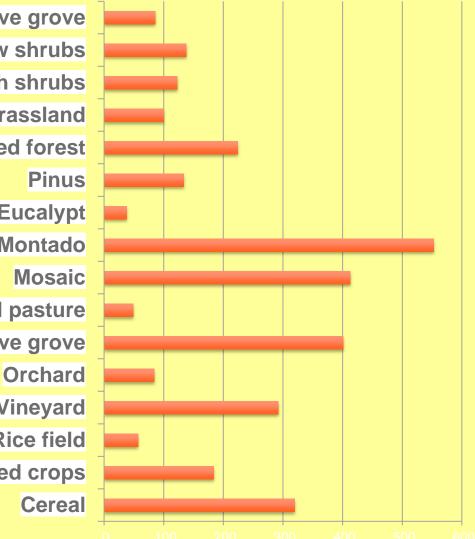
Montado 61%



How does the public consider the Montado ?

prefered land cover

Intensive olive grove Low shrubs High shrubs Natural grassland Mixed forest Pinus Eucalypt Montado Mosaic Irrigated pasture Olive grove Orchard Vineyard **Rice field** Irrigated crops Cereal



preferences expressed by multiple users

n = 1066 survey in all Alentejo 2010-2011

MONTADO landscape: which strategies for future management ?

It is a space of production, a space of conservation a space of consumption

BUT >> amenity functions depend on the productive land use system in place, fragile in a globalized market context

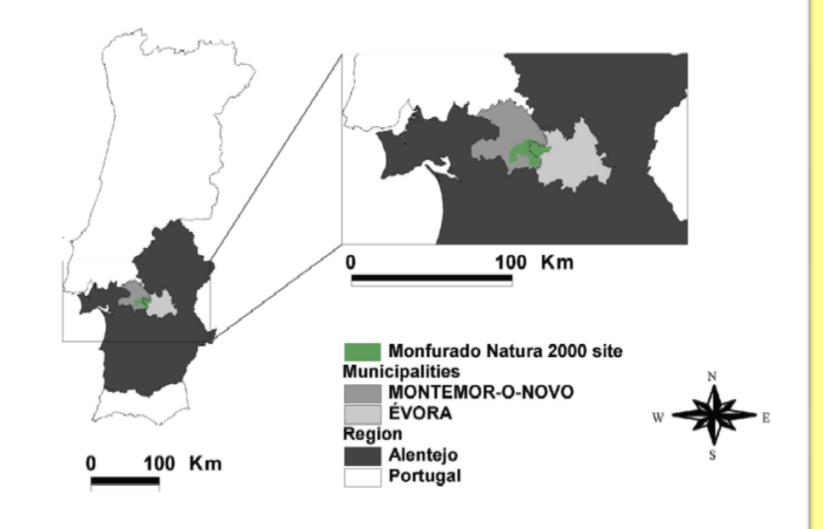
AND >> there is no market or market failure for the amenities, even if valued as public goods







Survey in Monfurado Natura 2000 site, a diversified landscape, 100km from the metropolitan area of Lisbon, many new comers, highly educated farmers



Can landscape multifunctionality be a new driver?

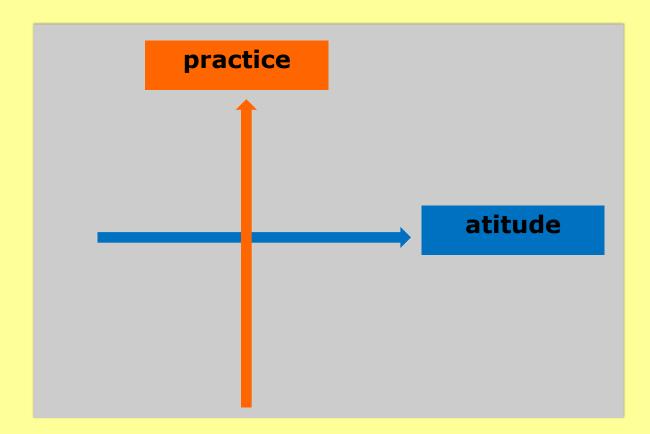


between specialised production and diversification for multifunctionality,

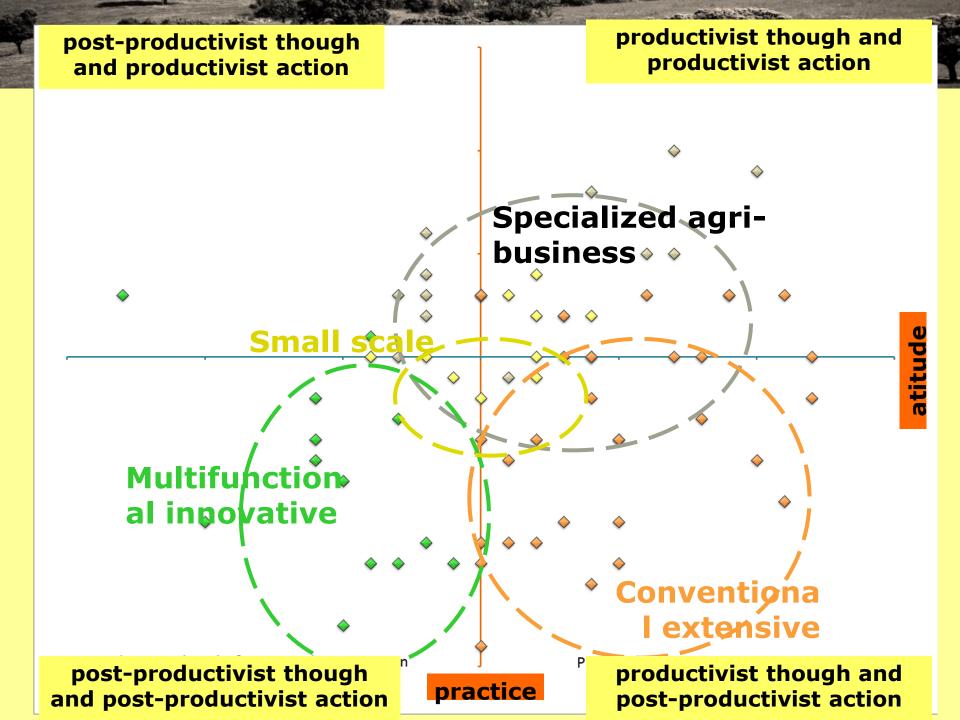
farmers feel conflicts between different policies and tensions between management models



looking behind the land management in place: the land manager self-concept



a step forward: understanding the relation between productivist and post-productivist action and though



Landscape multifunctionaly management is NOT straigntforward

	Number	% Area
Small scale	14	13
Multifunctional Innovative	13	13
Agri-Business Specialized	15	27 74%
Conventional Extensive	28	47

some innovation in management,
but no transition into a multifunctional model
>> fragility in face of changing policies and new pressures

The MONTADO is maintained, but production is still the driver of this landscape

In the Montado, as in other peripheric rural regions of Europe, a multifunctional landscape DOES NOT mean it is being taken care of by its direct managers

- >> importance of the farmers self-concept
- farmers keep a productivist ideal and their care may be grounded in awareness of environmental constrains x heritage values . or even lack of entrepreneurship .. property structure and tax system ... CAP tools...





>> many steps are required for a broader change of attitudes and innovative empowerment

new perspectives for Montado landscapes

society expectations for silvo-pastoral landscapes

new relations of factors as drivers for management: production x consumption x protection

can we enhance colaboration and fruitful combination of goals ?

Z

we should be able to assess and demonstrate the added valued of these systems for all actors define visions and better target policies

>>aim for a proactive Mediterranean colaboration

