

Matching policy and academic practices – the case of the Montado results-based payments

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The MONTADO: Mediterranean silvo-pastoral system

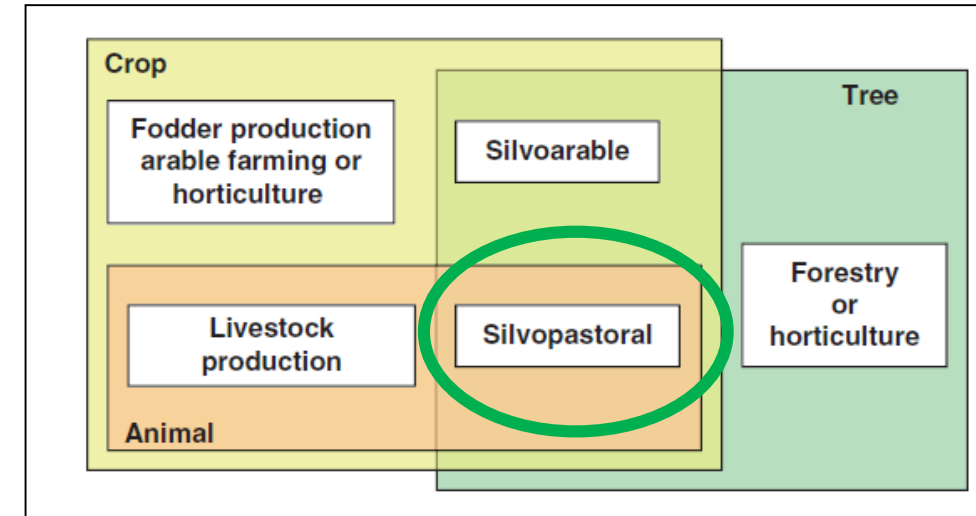
open forest (10-100 trees/ha), extensive land use, several layers, spatial and functional complexity, high spatial fuzzyness

Spatial and functional complexity

Multiple uses and externalities

High Nature Value

Increased societal demand



**As other silvo-pastoral systems,
Montados are over-mature and suffer recruitment failure
showing a significant shrinking and decline:**



D >50% Dense Montado



C 20 – 50% Open Montado



B 10 – 20% Clear Montado



A < 10% Open Pastures

**Between 1990 e 2014 and continuing....
»» 5625 ha/year have been lost
eventhough its multiple values are acknowledged**

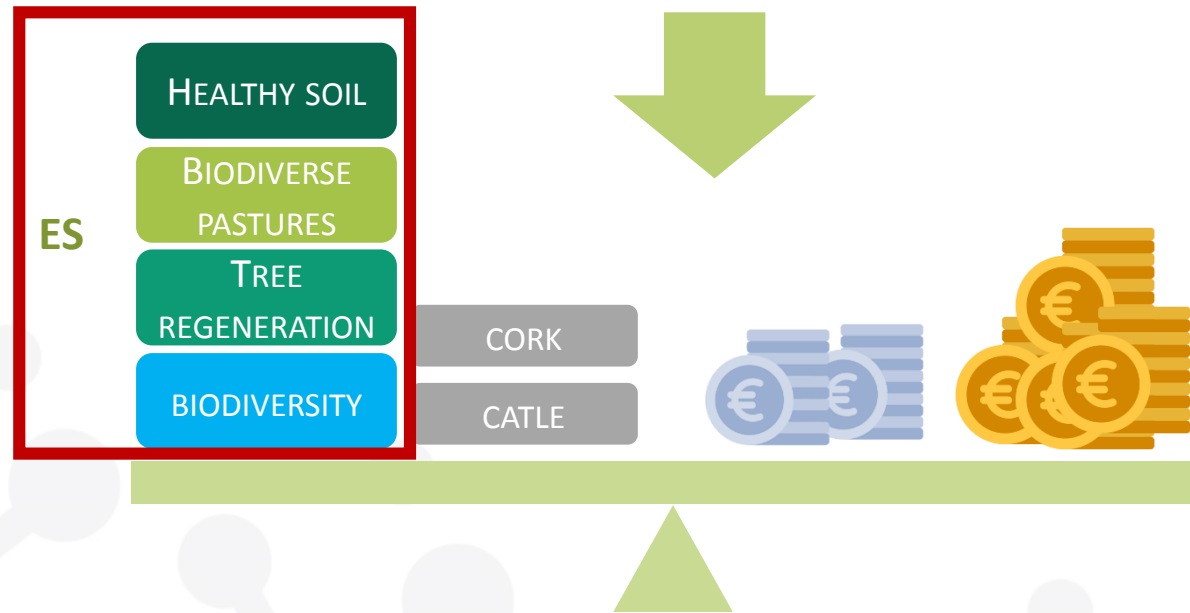
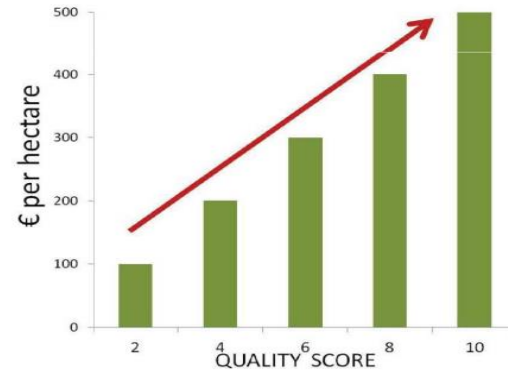
Major Threats affecting the extensive and non specialised production where different dimensions need to be articulated

- »» hardly competitive in global markets
- »» requiring special skills to be preserved
- »» highly vulnerable to policy changes



farmers are pushed towards specialization and simplification >> the dominant paradigm

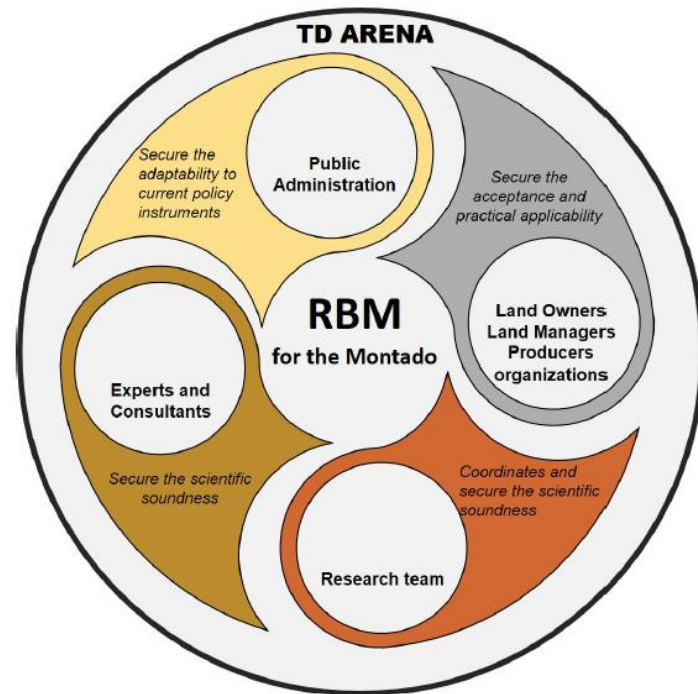
The case of the results-based model in the Montado



Guimarães, M.H., Pinto-Correia, T. Ferraz-de Oliveira, I., et al. (2023) [Farming for nature in the Montado: the application of ecosystem services in a results-based model](#). Ecosystem Services (61) 101524

The case of the results-based model in the Montado

Fig. 4. The design of the transdisciplinary (TD) arena around the development of a Result-Based Model (RBM) for the Montado.



Different steps in a step-wise approach

Different stakeholders

Different skills



INTERVENÇÃO AGRO-AMBIENTAL DO PEPAC (2023-2027)

GESTÃO DO MONTADO POR RESULTADOS



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AMBIENTE E DESENVOLVIMENTO



UNIVERSIDADE
DE ÉVORA

PILOT AREA	TOTAL AREA (ha)	Number of farmers	Number of sub-polt
Monfurado	30 743,47	233	2 359
Guadiana	6 229,51	81	798
Total	36 976,98	314	3 157



PILOT AREA	TOTAL AREA (ha)	Number of farmers	Number of sub-polt
Monfurado	25 ha < apenas maior sub-parcela por beneficiário <50 ha	5 430,12 (17%*)	146
Guadiana	20 ha < apenas maior sub-parcela por beneficiário <50 ha	1 087,21 (17%*)	38
Total		6 517,33	184

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- **Enthusiasm mixed with a nervous meltdown**



@In memory of Rui Enes 26/10/21

Our current work

- Systematize the mismatch between conceptualization and implementation at our case study.
- Share and compare mismatches with cases of Results-based models and other interventions that aim at improving silvopastoral systems.



What have we encountered so far, an example:

- Payments are made at the sub-plot level
- Within a paddock you can have several sub-plots allocated for payment in different subsidies schemes
- One sub-plot can include several paddocks and be under different management strategies
- Open areas cannot be included in this results payment scheme



Conceptualization was done at the management scale i.e., at the paddock level

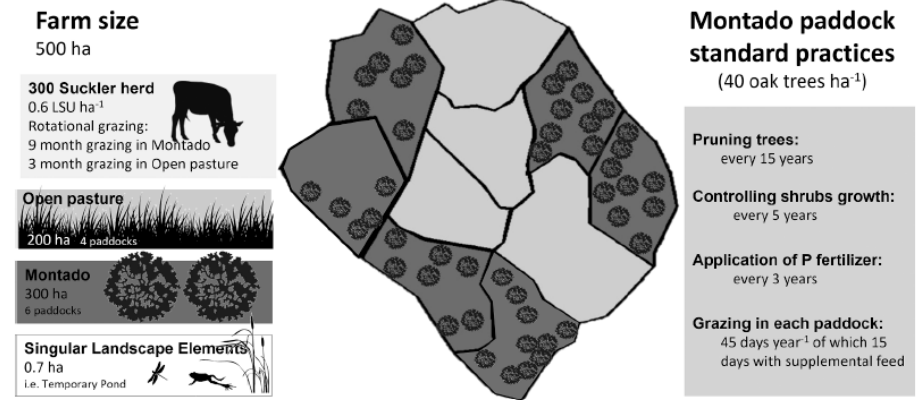


Fig. 3. How the virtual Montado farm was used to calculate costs.

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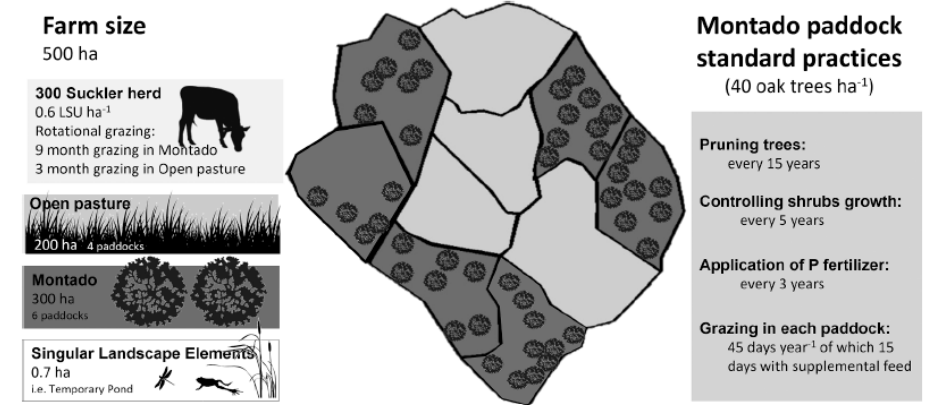


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Thank you for you attention
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