





MAN SHAPED FOREST OF CORK OAK OR HOLM OAK (evergreen oaks)

Represents 31% of the Portuguese forest

Mainly located in the south (farm size > 50 ha)

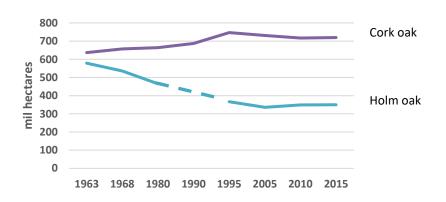
Stabilized area since 2005

Pastures are the main undercanopy use

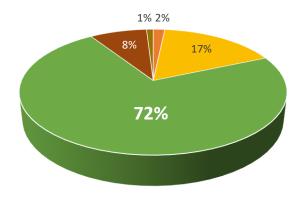
Biggest carbon sink in the portuguese forest (26%)

Protected by law since the 12th century!!

Montados área evolution between 1963 and 2015 (national forest inventories)



Montado agro-forestry



MONTADO AGRO FORESTRY | MULTIFUNCIONALITY





Extensive livestock farming



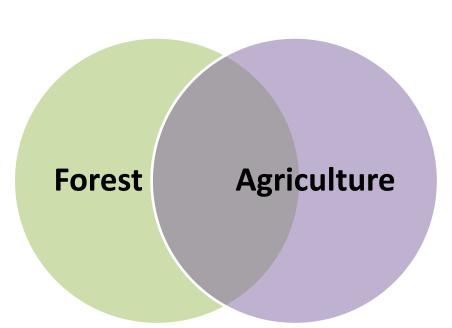




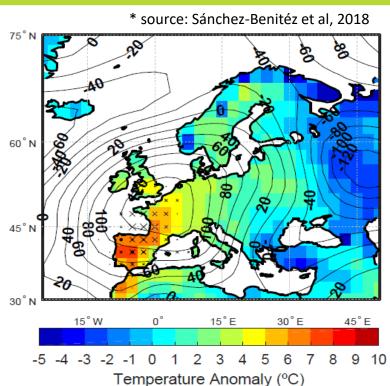


MONTADO AGRO FORESTRY | CONCERNS





1. Forest & Agriculture detachment



2. Climate adaptation & mitigation*



3. Economic sustainability

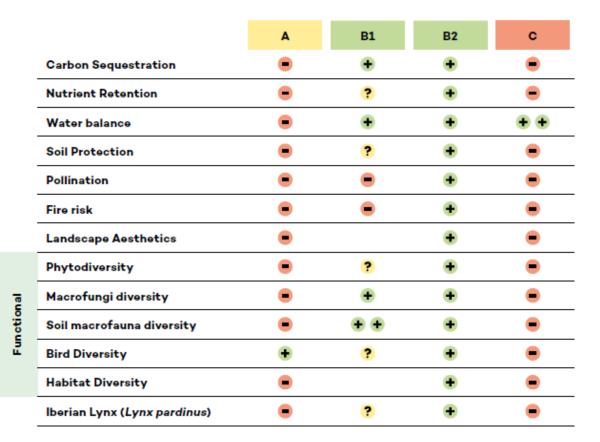
MONTADO AGRO FORESTRY | RESTORATION PRACTICES

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Scenario A Abandonment Scenario B1 Cork oak forest "Montado" without grazing Scenario B2 Cork oak forest "Montado" with grazing Scenario C Intensification

Abandonment

Intensification



Variation in the supply of each service in relation to scenario B2:

+ Increase | + Equivalent | ? Contradictory evidence

- Being B1 and B2 the Montado systems (without and with livestock, respectively)
- The green crosses represent the ES provision
- The ES provision generally diminishes in the scenario of abandonment (A)
- The ES provision generally diminishes in the scenario of intensification (C)
- 3 of the 9 ES evaluated represent 194€/ha/year (cork oak forest)

MONTADO CONSERVATION | POLICY NEEDS



- 1. THE SURVIVAL OF THE AGROFORESTRY SYSTEMS REQUIRES "FOREST AND AGRICULTURE" NOT "FOREST OR AGRICULTURE"
- 2. THESE ARE SYSTEMS OF VERY LOW INTENSITY, ECONOMICALLY FRAGILE, THAT NEED THE RIGHT FINANCIAL SUPPORT TO AVOID ABANDONMENT OR OVER EXPLOITATION

3. ECONOMIC REWARD OF THE EXTERNALITIES

- European recognition of the:
 - Forest singularity (long term economic activity)
 - Forest increasing requirements by the society
 - Forest public goods (carbon, water, soil, biodiversity, climate)
- Rural Development Program (2021-2027) with:
 - specific measures adapted to forest needs and expectations
 - appropriate budget to the EU forest targets
 - appropriate support rates
- Forest insurance policy
 - an economic activity & professional management must have access to an affordable insurance system.



