MONTADO AGROFORESTRY
A MULTIFUNCTIONAL SYSTEM

Conceição Santos Silva
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!!
MONTADO AGRO FORESTRY | MULTIFUNCIONALITY

MULTIPLE USE LOW INTENSITY SYSTEMS WITH...

- Cork production
- Extensive livestock farming
- Key role | Ecological processes
- High levels of biodiversity
- Rural employment
- Very long term investment return
1. Forest & Agriculture detachment

2. Climate adaptation & mitigation*

3. Economic sustainability

* source: Sánchez-Benítez et al, 2018
• 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)
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**

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- **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.
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Thank You!