

Notes for instructors and users

Juan M. Domingo-Santos & Reyes Alejano (University of Huelva, Spain) provided this presentation to HNV-Link Project. The HNV-Link project team adapted it for inclusion in the educational package on High Nature Value farming. Notes are based partly on the information in the listed sources. Other resources of the education package are available www.hnvlink.eu.

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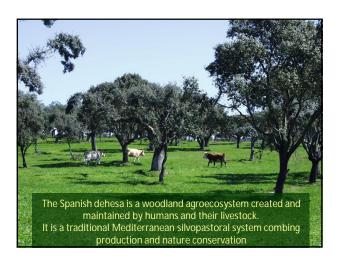


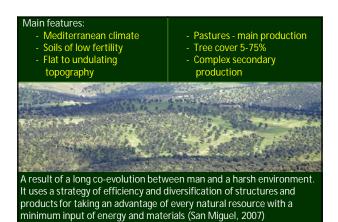


Content

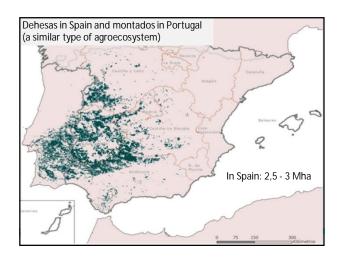
- What is Dehesa?
- · Products obtained from the dehesa
- Services provided by the dehesa
- Reasons for dehesas' existence and maintenance
- · Current threats
- Conservation values
- Management recommendations



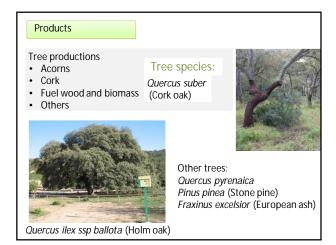




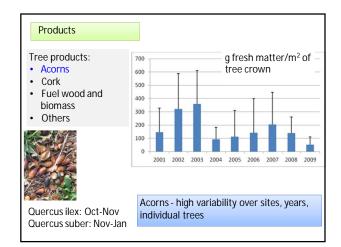


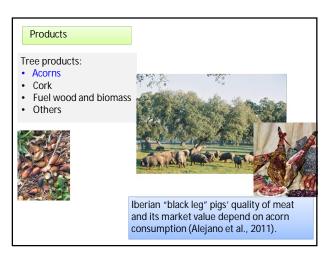


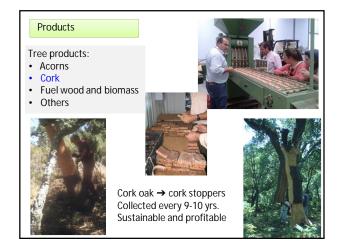












Products

Tree production

- Acorns
- Cork
- · Fuel wood and biomass
- Others

Traditional operation to obtain fuel wood Low benefit Supposed to increase acorn production





Products

Production not related to trees:

- Grass (shrubs) → pasture
- Mushrooms
- Crops Other: livestock, game



Three types of pastures with different composition and productivity



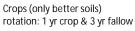


Products

Non-tree production:

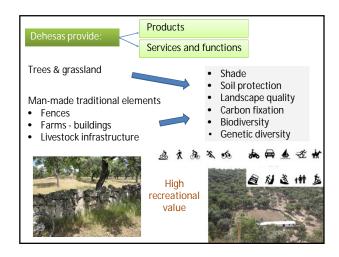
- Grass (shrubs) → pasture
- Mushrooms
- Crops
- Other: Livestock, Game



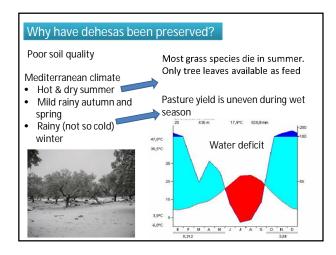


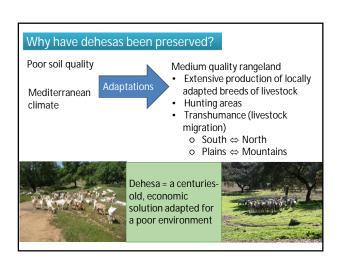


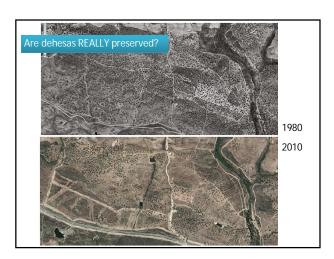
Sale of hunting rights (for wild boar, red deer) is an important income source

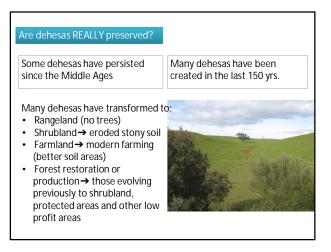


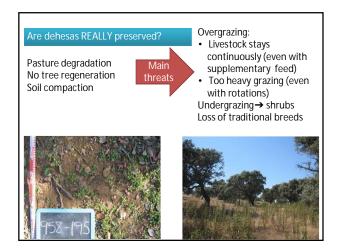


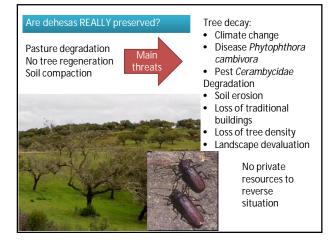




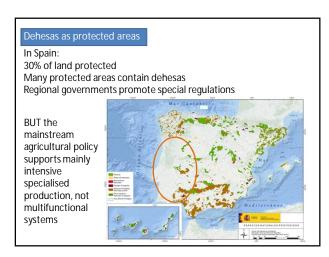


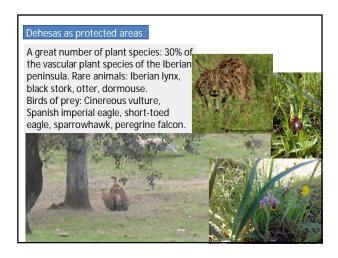


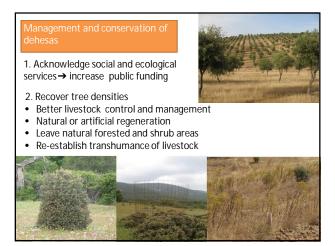












Management and conservation of dehesas

- 1. Acknowledge social and ecological services → increase public funding
- 2. Recover tree densities
- 3. Research on pest and diseases
- Plants resisting fungus
- Knowledge of disease mechanisms
- Improved management





Management and conservation of dehesas

- Acknowledge social and ecological services → increase public funding
- 2. Recover tree densities
- 3. Research on pest and diseases
- 4. Increase value of products
- 5. Protect against fire, erosion
- 6. Protect landscape
- Protect biodiversity





Local breeds





Sources:

Alejano, R., Vázquez-Piqué, F.J., Domingo-Santos J.M., Fernández Martínez, M., Andivia-Muñoz, E., Martín Pérez, D., Pérez-Carral, C., González Pérez, M.A. 2013. Dehesas: Open woodland forests of Quercus in Southwestern Spain. In Chuteira, C.A. y Grao, A.B. (Eds.), Oak: Ecology, types and management. Nova Science Publishers; Hauppauge, New York. pp.87-117.

Fra. Paleo, Urbano. (2010). "The dehesa/montado landscape". pp. 149–151 in Sustainable Use of Biological Diversity in Socio-ecological Production Landscapes, eds. Bélair, C., Ichikawa, K., Wong, B.Y.L. and Mulongoy, K.J. Montreal: Secretariat of the Convention on Biological Diversity. Technical Series no. 52. Available https://www.cbd.int/doc/publications/cbd-ts-52-en.pdf

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