

Project Designation | SILVPAST - Cost-efficient implementation of silvo-pastoral mosaics of *Quercus pyrenaica*

Project Code | PDR2020-101-031877

Main Objective | Test and develop a method of implementing silvo-pastoral mosaics, supported by means of remote sensing, which helps agricultural and forestry activities in areas of Pyrenean oak, typically of low productive activity

InterventionRegion | NUT III – Beira Baixa, Beiras and Serra da Estrela, Portugal

BeneficiaryEntity | UNAC - União da Floresta Mediterrânica

Partners

- TERRAPRIMA - Sociedade Agrícola Lda. (Project leader)
- ÁPIS – Companhia Agrícola e Pecuária S.A.
- ATN – Associação Transumância e Natureza
- FCUL – Faculdade de Ciências da Universidade de Lisboa
- Multinatura, Lda.
- Sociedade de Desenvolvimento da Quinta do Colmeal, Lda.

Approval Date | 2018/06/06

Start Date | 2017/07/01

Conclusion Date | 2021/12/31

Total Eligible Cost | 10 658,49 €

European Union financial support | 6 395,11 €

National Public financial support | 1 598,76 €

Expected results

- Implementation of a silvo-pastoral mosaic of *Quercus pyrenaica* in two pilot areas;
- Test and validate a process of implementing silvo-pastoral mosaics of *Quercus pyrenaica* in interventions of relevant scale, to maximize benefits (pastoral production, forest regeneration, promotion of biodiversity, fire risk control, carbon sequestration, protection soil), reduce management costs and avoid the costs associated with the occurrence of fires and consequent soil degradation;
- Cost-benefit analysis of the implementation of silvo-pastoral mosaics by taking advantage of natural regeneration and use of herbivory. The cost-benefit analysis report will be widely disseminated to support decision-making;
- Support the evaluation of agri-environmental measures related to the maintenance of agro-silvo-pastoral and agro-forest mosaics;
- Support for the development of payment schemes for environmental services, through the quantification of carbon sequestration in soil and trees.

Divuligation

- AGRO INOVAÇÃO 2018 - National Innovation Summit in Agriculture, Forestry and Rural Development | 29 october 2018 | Oeiras ([Poster](#), [ProjectCatalog](#), [Event Website](#))
- Conference European Ecological Federation "Livestock herbivory as tool for ecosystem management and restoration" | July 2019 ([Presentation](#))
- [Workshop EIP-AGRI "Cropping for the future: networking for crop rotation and crop diversification" | June 2019](#)
- 15º European Ecology Congress "Embending Ecology in Sustainable Development Goals" | July/August 2019 ([Website](#))
- Colóquio COPRAPEC, CRL "Solo do Montado Alentejano – a importância na sua manutenção" | Feira da Luz/Expomor 2019
- Seminar "Paisagens Fire-Smart: Criando territórios resilientes ao fogo" | November 2019 ([Presentation](#), [Abstract](#))
- [Article in Science Magazine](#)
- [Follow](#) the silvo-pastoral use in *Quercus pyrenaica* of Quinta da França (Experimental plot)