



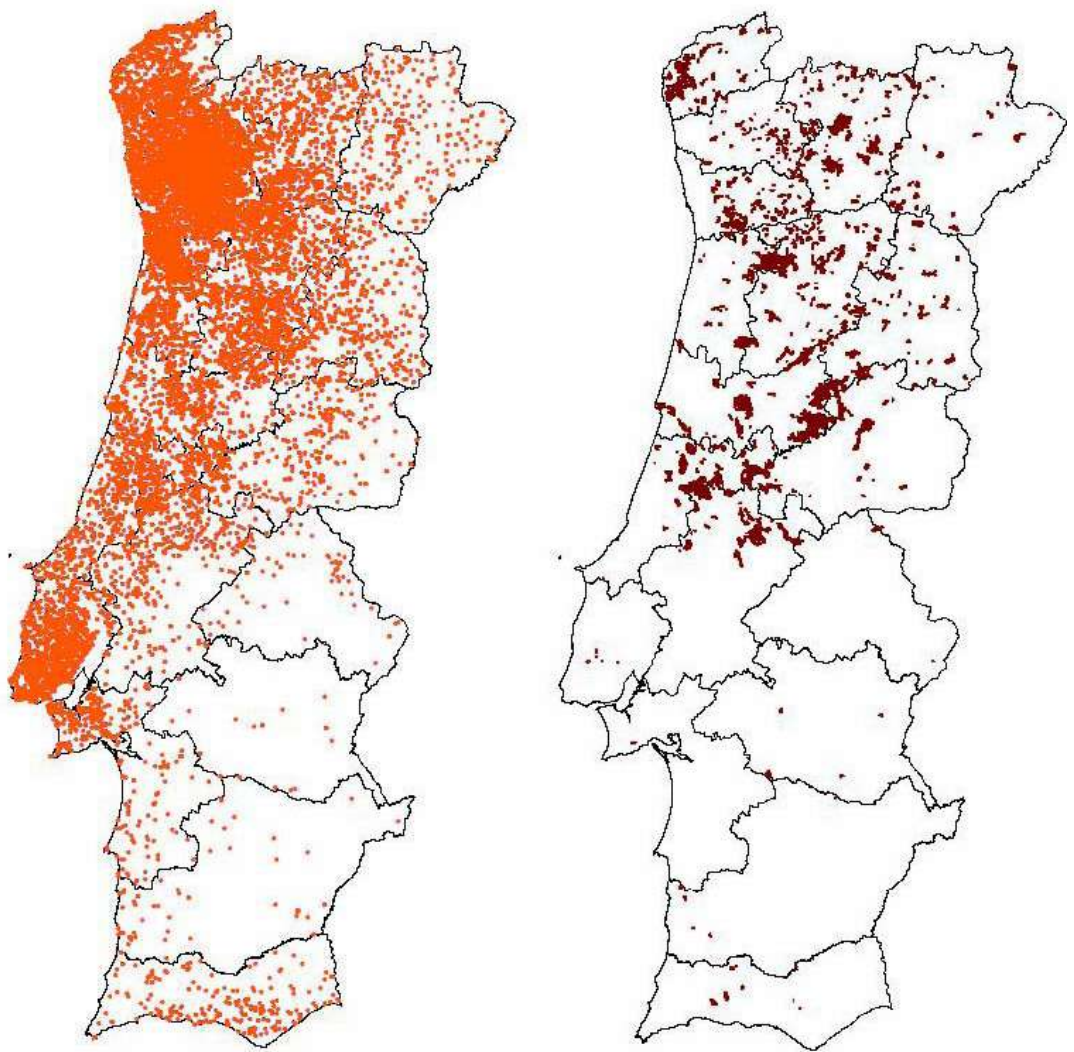
# LIFE—RELICT

## Preserving Continental Laurissilva Relicts

Meireles C., M. Raposo, M. Machado, F. Vasquez, A. Fonseca, S. Martinho, A. Silva, A. Silva  
C. Pinto-Gomes

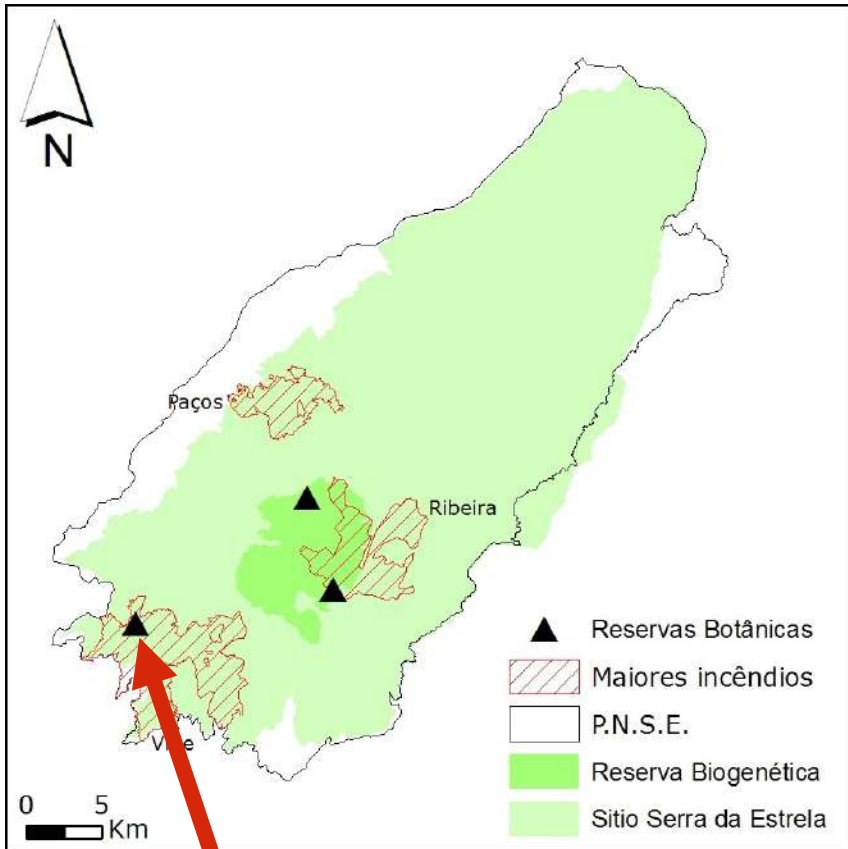


Com a contribuição do programa LIFE da Comissão Europeia  
Foto: F. Clamote



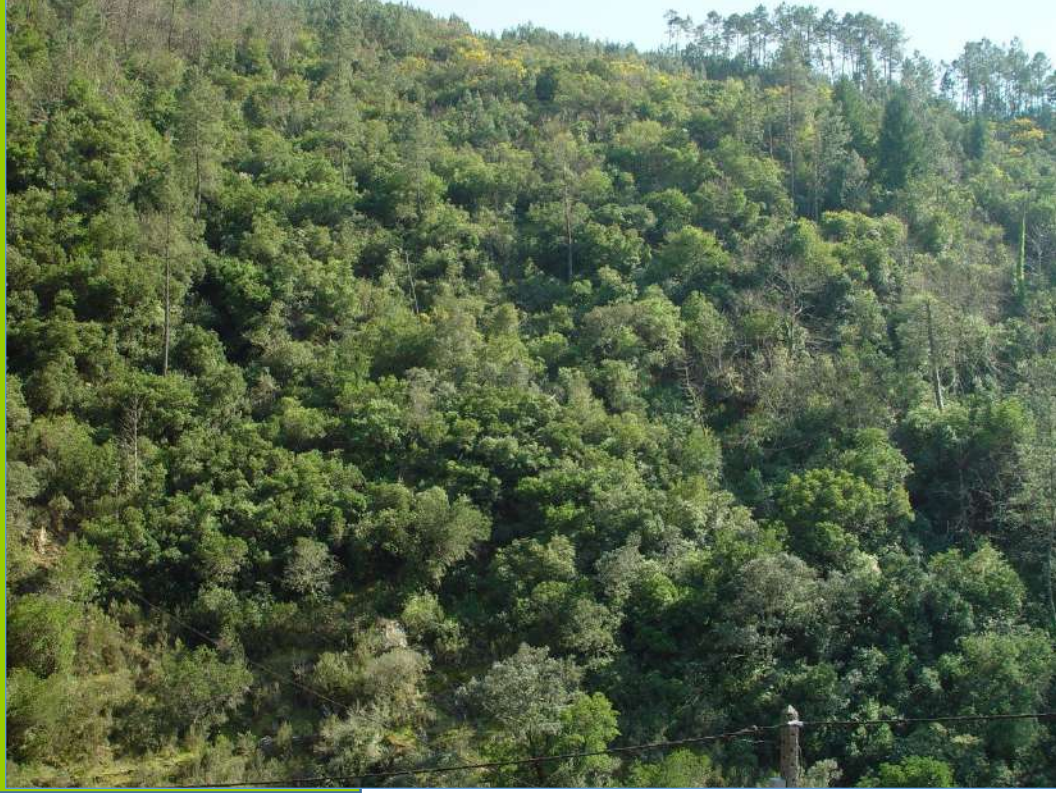
● Ocorrências ■ Áreas ardidas, Modis 2005





Casal do Rei

**Before**



**After**





Casal do Rei



# LIFE—RELICT

Preserving Continental Laurissilva Relicts



Com a contribuição do programa LIFE da Comissão Europeia  
Foto: F. Clamote



# Consortium

Universidade de Évora - Coordenador

ADRUSE

CYCITEX

Município de Monchique

Município de Seia



CENTRO DE INVESTIGACIONES  
CIENTÍFICAS Y TECNOLÓGICAS  
DE EXTREMADURA



**Total amount:** 1.654.899 €

**% EC Co-funding:** 75%

**DURATION: Start:** 01/10/17

**End:** 30/09/22

# Objective

Improve the conservation status of the priority habitat 5230\* - Arborescent matorral with *Laurus nobilis* - in Portuguese Natura 2000 Network.

Currently= (“Inadequate”)

## Their most important plant communities:

*Prunus lusitanica* community

*Rhododendron ponticum* subsp. *baeticum*  
community



*Prunus lusitanica*



*Rhododendron ponticum* subsp. *baeticum*





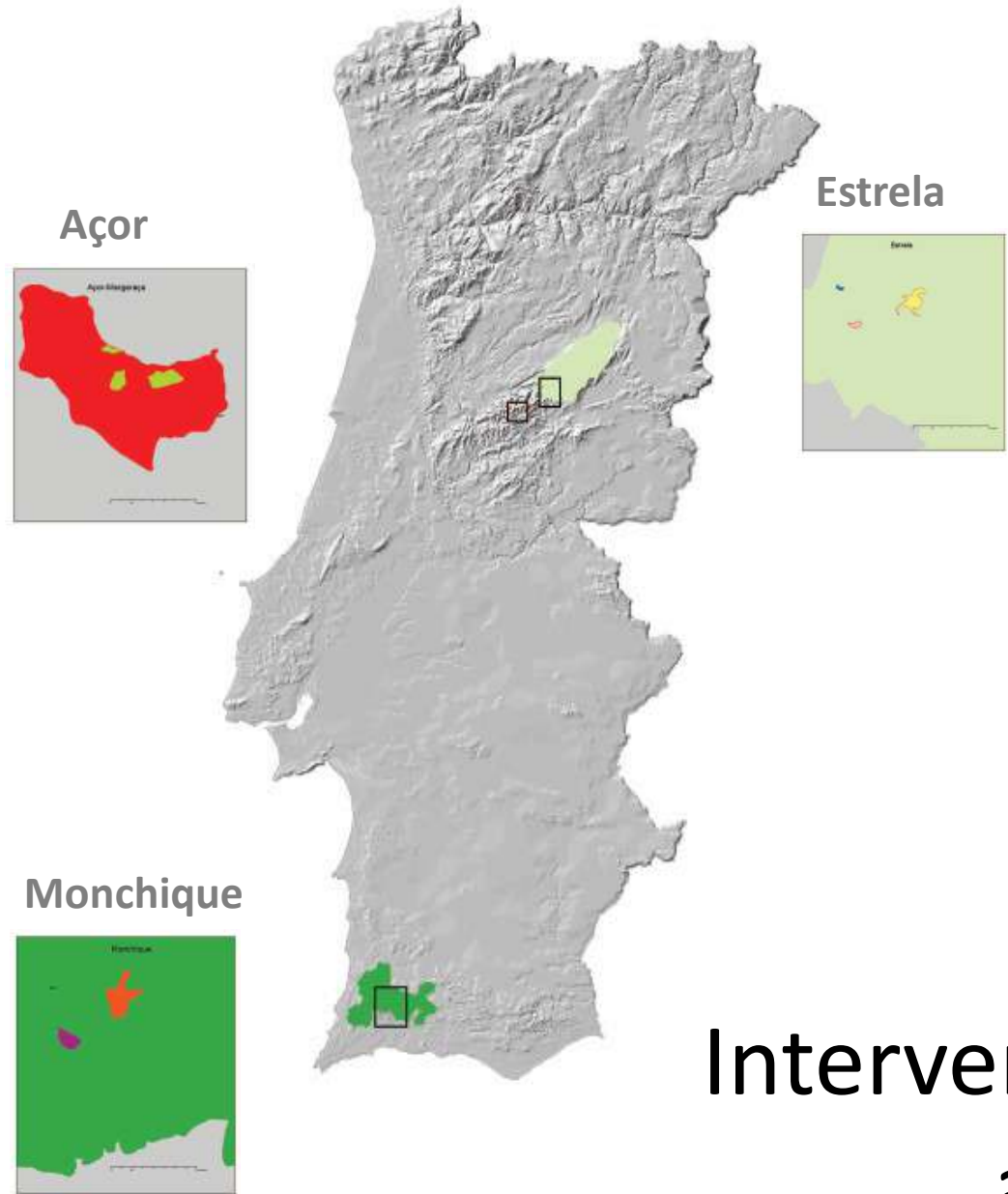
**Estrela: Vide e Casal do Rei**



**Açor: Mata da Margarça**



**Monchique: Foia**



**Intervention areas**



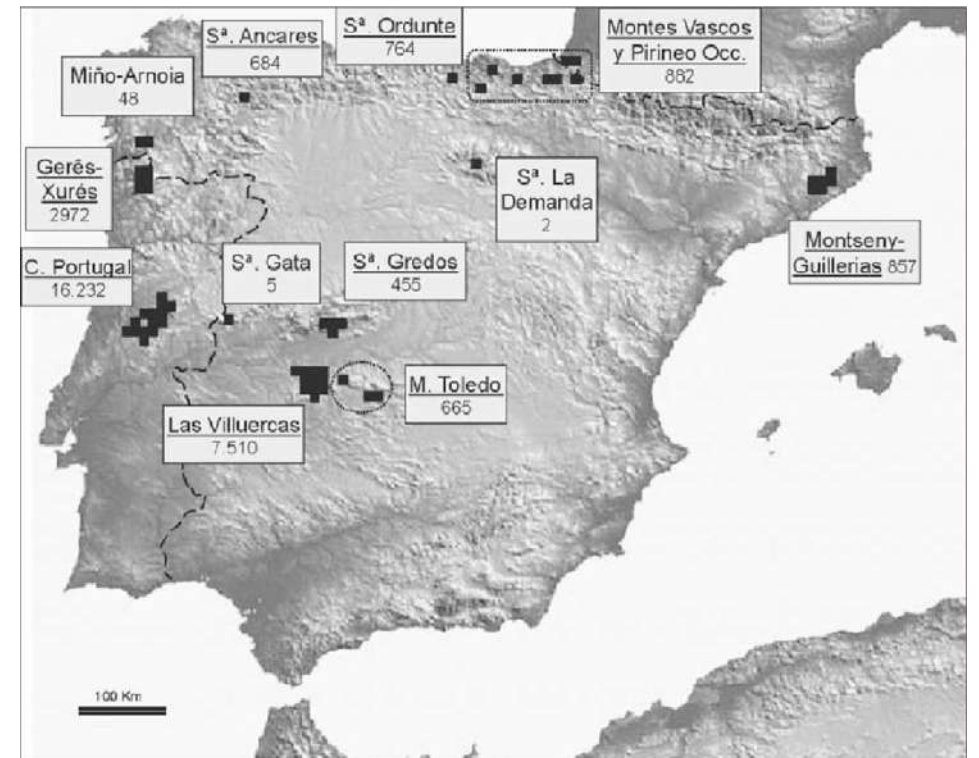
# Azereirais

Communities of *Prunus lusitanica*.

*Prunus lusitanica* (azereiro) is a rare species, endemic from SW France, P. Iberian and N of Morocco.

In Portugal is present in embedded valleys, with a more thermic and humid climate.

*Mata da Margaraça* is considered the best example of these communities, and the largest *Prunus lusitanica* population, is present in the center of Portugal.



Distribution and population sizes of *Prunus lusitanica* in the Iberian Peninsula (CALLEJA et al. 2009).



# Adelfeirais

Comunidades de *Rhododendron ponticum* subsp. *baeticum*.

It's a rare species, **endemic to the SW of the Iberian Peninsula**.

In Portugal, is present in only two areas within the Natura2000 Network (Serra do Caramulo and Serra de Monchique).



# Threats

**1. Fire**



**4. Climate change**



**2. Invasive**



**5. Limited capacity to install new plants**

**3. Man interventions**



# Expected Results

**Improve habitat quality**  
about 11ha (+- 50% of  
the current area)



Improve the **diversity** of characteristics  
species and habitat **structure** – **cut,**  
**plantations**

**Increase Habitat área**  
20.5 ha



New habitat areas – **plantations**

**Decrease major threats**  
Fire: 104 ha  
IS: 4 ha



Control of Invasive Species – **sta. art**  
**technics (4 ha)**  
Control of heliophytic vegetation (**104ha**)  
Create buffers of Native forests –  
**plantations (11,4 ha)**



**A. Preparatory**



**C. Conservation**



**D. Monitoring**



**E. Awareness and dissemination**

**F. Project Management**





## ACTION A.1

Reference state update

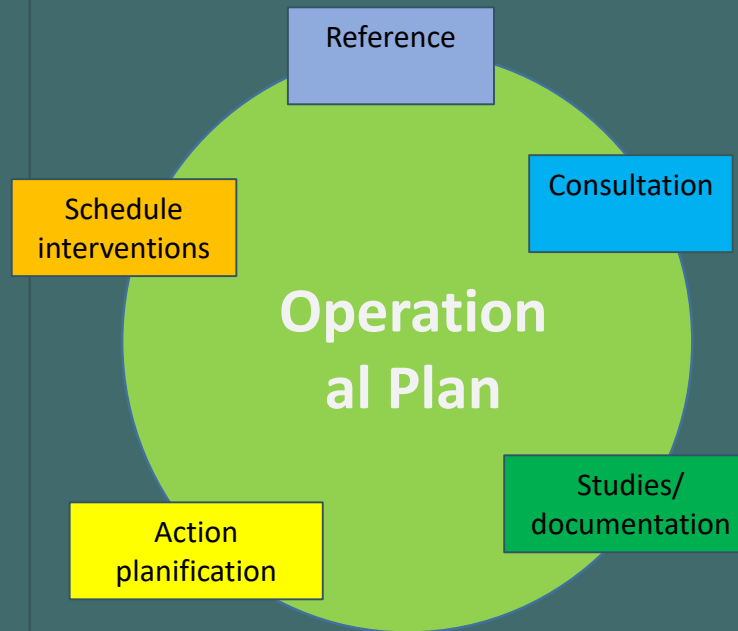


1. Collection and complement of essential information
2. Long-term commitment letters from land owners **(more than 50 owners).**



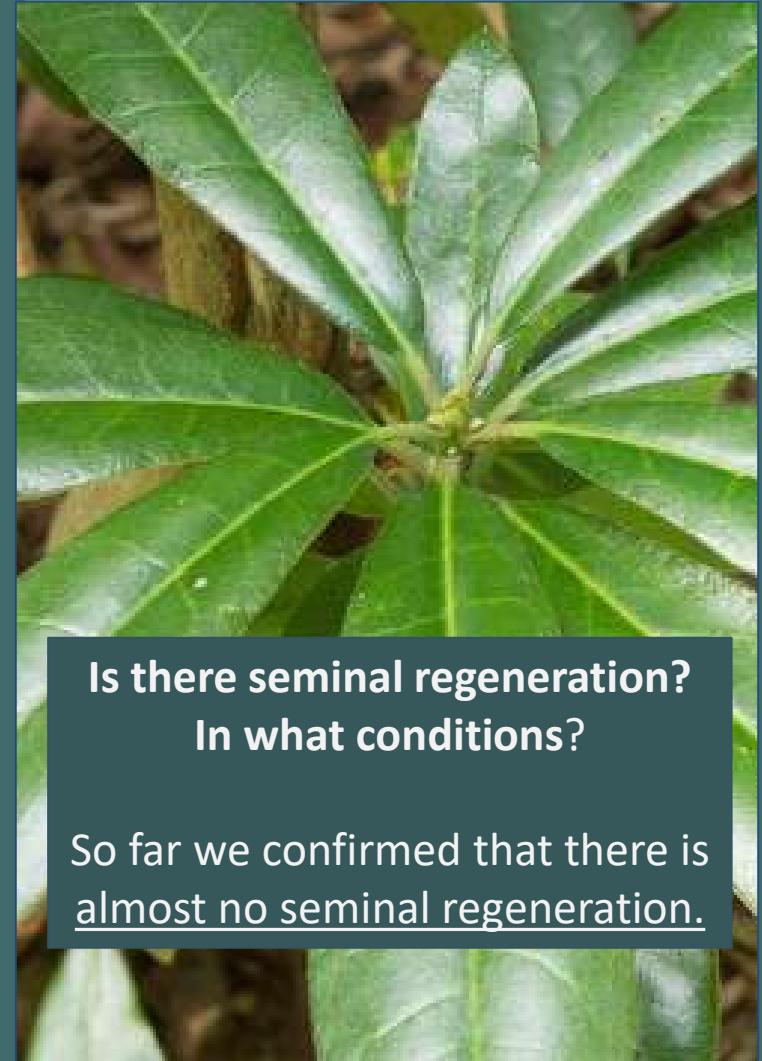
## ACTION A.2

Operational Plan



## ACTION A.3

Assessing the regeneration  
*capacity* of  
*Rhododendron ponticum*



## Ação C.1 Seed collection and plant propagation



Germination and propagation of plants in execution



### Collected seeds and other propagating material

*Prunus lusitanica*: > 2000  
*Rhododendron ponticum*: 4000  
*Quercus canariensis*: 1000  
*Quercus broteroana*: 1200  
*Ilex aquifolium*: 350  
*Sorbus aucuparia*: 35 propágulos  
*Ruscus aculeatus*: 150  
*Quercus occidentales*: 400  
*Arbutus unedo*: 200  
*Viburnum tinus*: 300

**First campaign:** oct. to dec. 2017

**Second campaign:** scheduled to begin in October 2018

**ACTIONS C.2. and C.3.**  
Improve habitat quality  
(azereirais and adelfeirais)

**ACTIONS C.4. and C.5.** Increase of habitat area (azereirais and adelfeirais)

**ACTION C.6.** Control of exotic invasive species.

**ACTION C.7.** Decreased fire risk

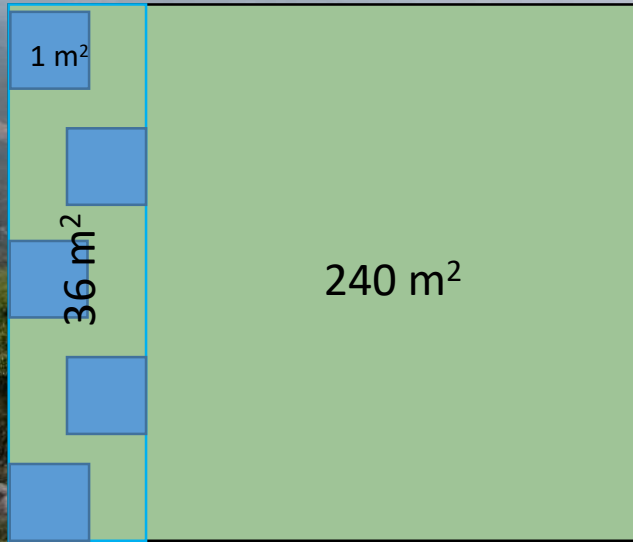




LIFE-Relict

&

ECOMED



- Permanent transect, randomly installed ( 6 per project area/ type of intervention)
- Cover / species
- Stratified inventory (herbs, shrubs and Trees)



**ACTION D.1** Monitoring the impact of project conservation actions



**ACTION D.2** Monitoring project social and economic impact



**ACTION D.3** Monitoring the project impact on ecosystem function



**ACTION D.4** Monitoring project cost\efficiency



**ACTION D.5** Monitoring project performance indicators





## Cabeça – Aldeia Natal



**Web:** <http://www.liferelict.ect.uevora.pt/>



O projeto LIFE-RELICT nasceu da vontade de preservar um habitat raro na Europa, dominado por plantas testemunhas das florestas de laurisilva que ocuparam a Península Ibérica em épocas geológicas passadas, quando o clima era tropical. Nesta situação estão os rios azereais e adelferais. Venha saber mais sobre eles e colabore connosco na sua proteção!

**ACTION E.1.** Communication to general public



**ACTION E.2.** Environmental education



**ACTION E.3.** Promotion of nature based tourism



**ACTION E. 4.** Technical and scientific dissemination



**ACTION E.5.** Networking and replication efforts



# Jornada Técnica

O projeto LIFE-RELICT convida-o para a jornada

## Valorização e Gestão dos Azereiras Mediterrânicos

(habitat prioritário para a conservação)

**Objetivos:**

1. Aprender a reconhecer o habitat
2. Identificar a seu estado de conservação
3. Conhecer as suas potencialidades turísticas e científicas
4. Técnicas de gestão

Dia: 8 de Junho de 2018  
Local: Mata da Margarça

Inscrição gratuita através do email: e-mail: vspp@uevora.pt

Vagas limitadas: 25 participantes



Formadores: Carlos Pinto Gomes e Catarina Meireles (Universidade de Évora)




Ação E.1: Communication to general public



ACTION E.2. Environmental education



ACTION E.3. Promotion of nature based tourism



ACTION E. 4. Technical and scientific dissemination



ACTION E.5. Networking and replication efforts



# SEMINÁRIO LIFE RELICT 17<sup>o</sup> ENCONTRO NACIONAL DE ECOLOGIA

15 e 16 de Novembro 2018 | Colégio Luis António Verney, Évora



Inscrições online em [www.speco.pt](http://www.speco.pt)  
Submissão de resumos até 15 de Julho de 2018

Mais informações no site e através de [info@speco.pt](mailto:info@speco.pt)



Ação E.1: Communication to  
general public



ACTION E.2. Promotion of  
nature based tourism



ACTION E.2. Promotion of nature  
based tourism



ACTION E. 4. Technical and  
scientific dissemination



ACTION E.5. Networking  
and replication efforts





moltes gràcies



Com a contribuição do programa LIFE da Comissão Europeia  
Foto: F. Clamote