



LIFE-RELICT

Preserving Continental Laurissilva Relicts



Objectives

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*

Expected Results

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

Increase Habitat área
20.5 ha

Decrease major threats
Fire: 104 ha
IS: 4 ha

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

New habitat areas – plantations

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

Expected Results

1. Sustainable forest and Improve Nature

Habitats/Forest

5230*

Improve quality 11ha

Increase Area 20,5 ha

Improve ecological function 31,5 ha

9230 + 9240 Increase Area 11,4 ha

9260 Improve structure and function 1,8 ha

Resilience

Resilience to fire/decrease fire risk 104 ha

Resilience to climate change 104 ha

Invasive Species (*Acacia dealbata* and *Hakea sericea*)

Areas under control 4

2. Replication

Replication / Transfer Spain

3. Communication/awareness

Student Population Involved in Activities

Local population

To be continued

C1. Recolha e propagação de material vegetativo

C2 Melhoria do estado de conservação das áreas efetivas de Azereiros

C3 Melhoria do estado de conservação das áreas efetivas de Adelfeiras

C4 Incremento da área de habitat de Azereiros

C5 Incremento da área de habitat de Adelfeiras

C6 Controlo de espécies exóticas invasoras

C7 Diminuição do risco de incêndio

D1 Monitorização e avaliação das ações "C" do projeto

D3 Monitorização do impacto na função dos ecossistemas

E2 Comunicação e turismo de natureza

E3 Sensibilização e educação ambiental

E4 Divulgação científica do projeto

E5 Esforços de replicação e ações em rede com outros projetos

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

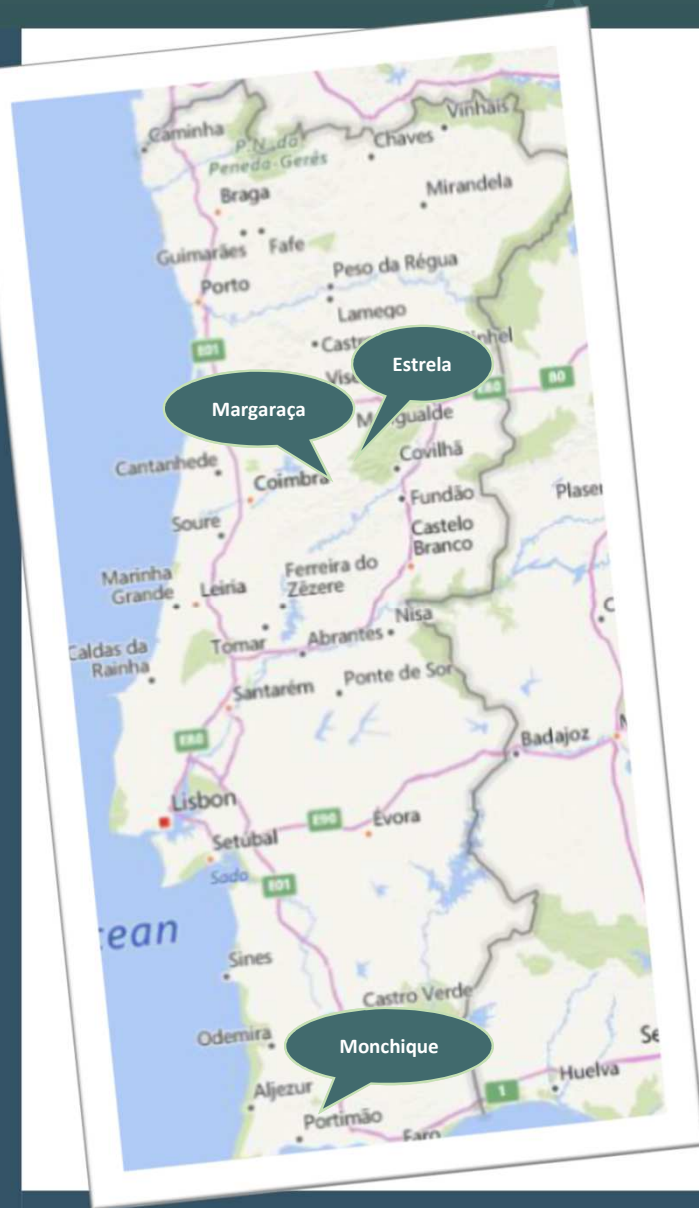


CENTRO DE INVESTIGACIONES
CIENTÍFICAS Y TECNOLÓGICAS
DE EXTREMADURA

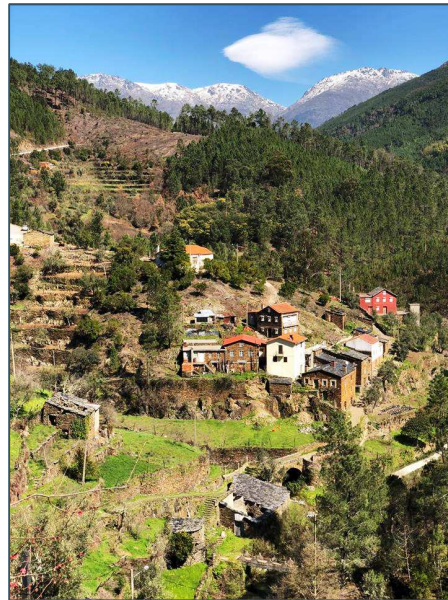


Total amount: 1.654.899 € DURATION: Start: 01/
% EC Co-funding: 75% End: 30/

Project location



Estrela



Margaraça



Monchique



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Rhododendron ponticum subsp. *baeticum*
community



Prunus lusitanica



Rhododendron ponticum subsp. *baeticum*



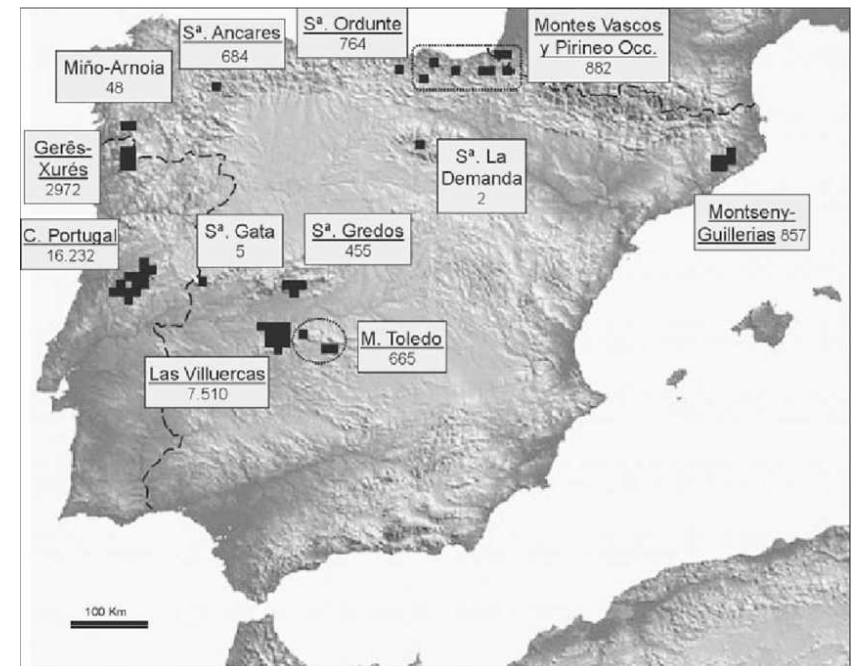
Azereirais

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).



JOSÉ A. MEJÍAS, JUAN ARROYO, FERNANDO OJEDA; Reproductive ecology of *Rhododendron ponticum* (Ericaceae) in relict Mediterranean populations, Botanical Journal of the Linnean Society, Volume 140, Issue 3, 1 November 2002, Pages 297–311, <https://doi.org/10.1046/j.1095-8339.2002.00103.x>

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Resilience to climate change 104 ha

Invasive Species (*Acacia dealbata* and *Hakea sericea*)

Areas under control 4ha

Project End

5 years after

(20%)

(40%)

(70%)

(80%)

(100%)

(100%)

(30%)

(40%)

(100%)

(100%)

(100%)

(100%)

(100%)

(100%)

(100%)

(100%)

2. Replication

Replication / Transfer Spain

2

1

3. Communication/awareness

Student Population Involved in Activities

1000

1000

Local population

6000

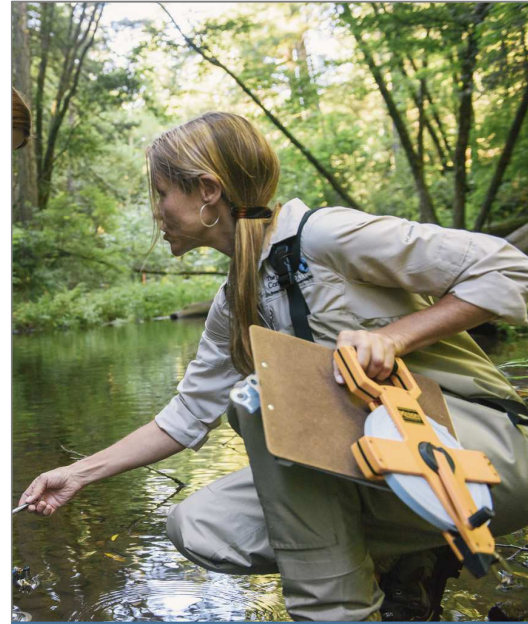
10 000



A. Preparatory



C. Conservation



D. Monitoring



E. Awareness and dissemination

F. Project Management





ACTION A.1

Reference state update

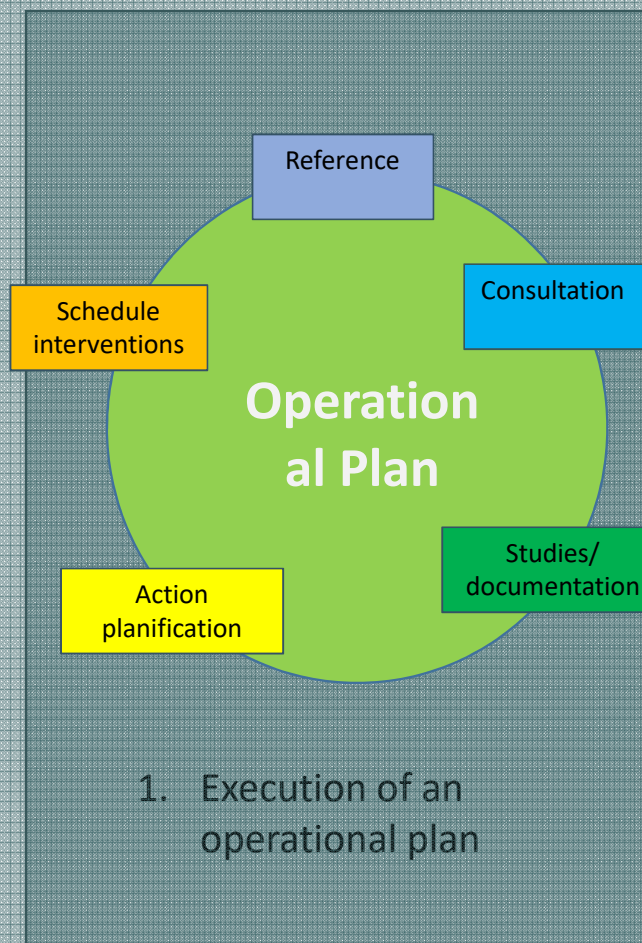


1. Collection and complement of essential information
2. Long-term commitment letters from land owners
(more than 50 owners).



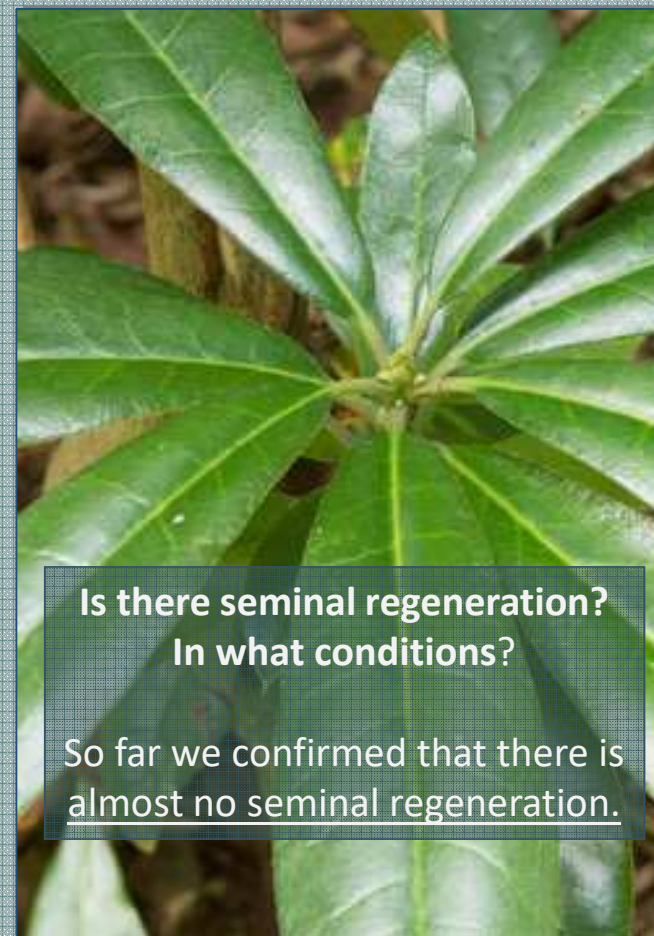
ACTION A.2

Operational Plan



ACTION A.3

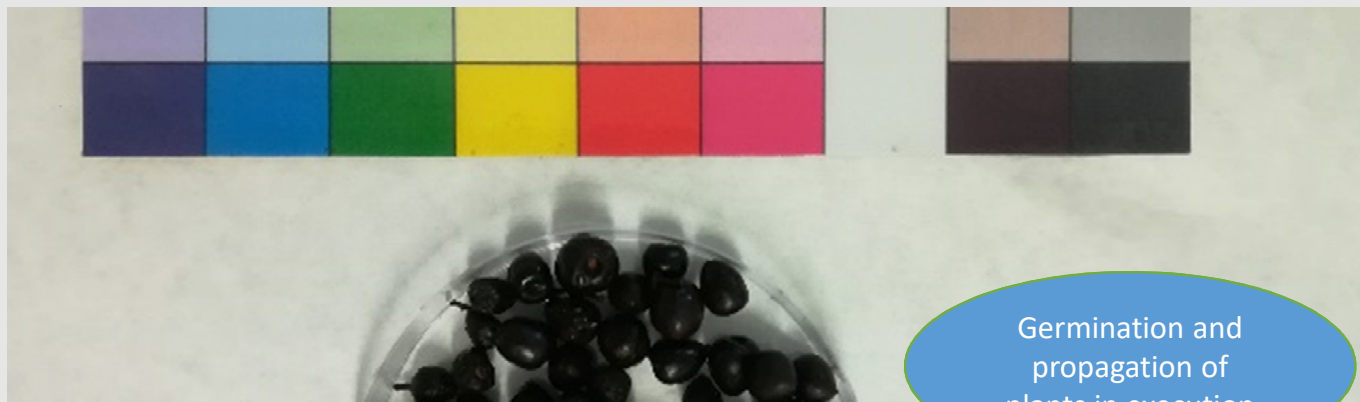
Assessing the regeneration *capacity of* *Rhododendron ponticum*



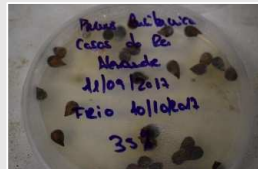
**Is there seminal regeneration?
In what conditions?**

So far we confirmed that there is
almost no seminal regeneration.

Ação C.1 Seed collection and plant propagation



Germination and propagation of plants in execution



Collected seeds and other propagating material

Prunus lusitana: > 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





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ECOMED





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



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 laurissilva que ocuparam a Península Ibérica em épocas geológicas passadas, quando o clima era tropical. Nesta situação estão os raros azereais e adelferais. Venha saber mais sobre eles e colabore connosco na sua proteção!

Cabeça – Aldeia Natal



ACTION E.1. Communication to general public



ACTION E.2. Promotion of nature based tourism



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ACTION E. 4. Technical and scientific dissemination



ACTION E.5. Networking and replication efforts



SEMINÁRIO LIFE RELICT 17^o ENCONTRO NACIONAL DE ECOLOGIA

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



Inscrições online em www.speco.pt
Submissão de resumos até 15 de Julho de 2018

Mais informações no site e através de info@speco.pt



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 o 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: 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. 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



Participação em eventos científicos, contactos com outros projetos LIFE

Bem-Hajam



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