

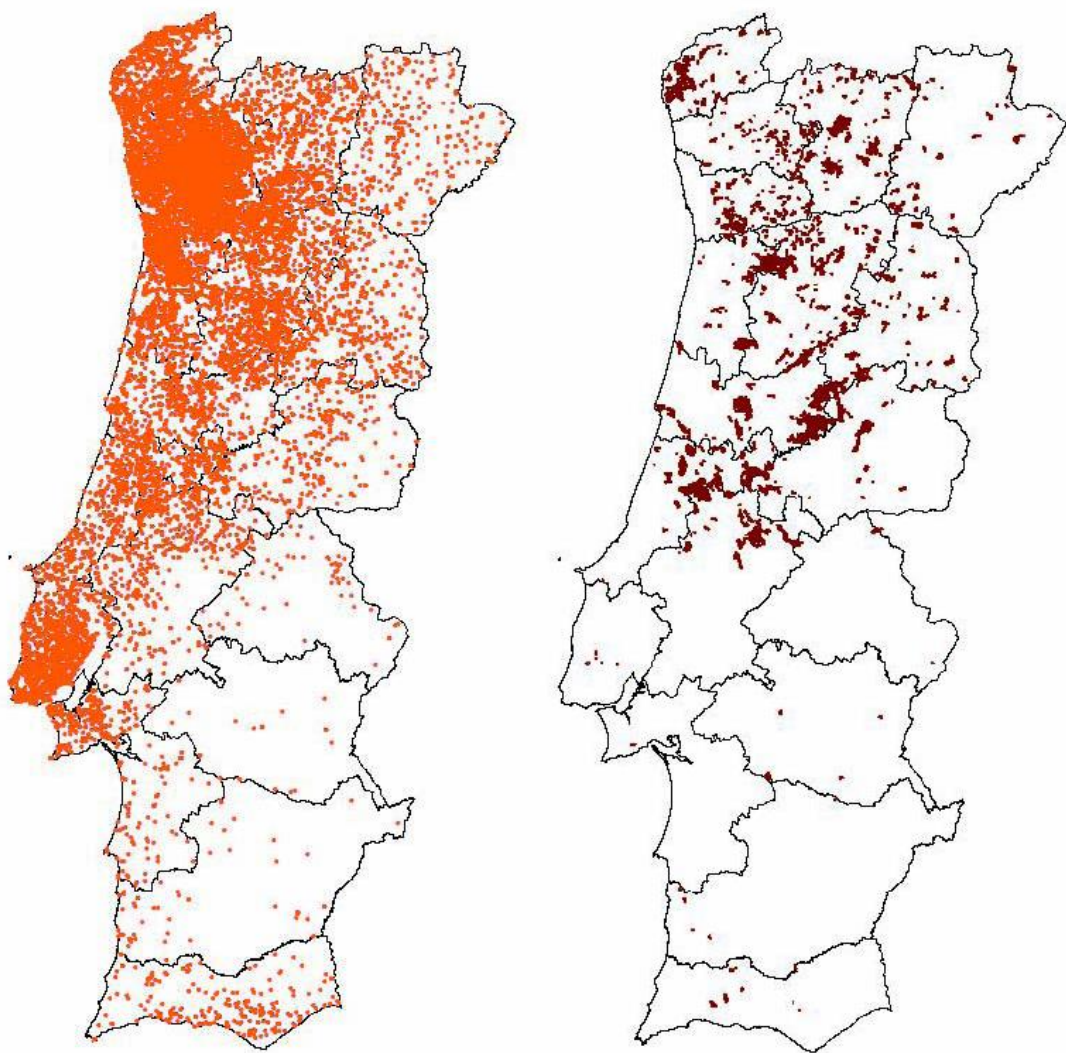
LIFE—RELICT

Preserving Continental Laurissilva Relicts

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

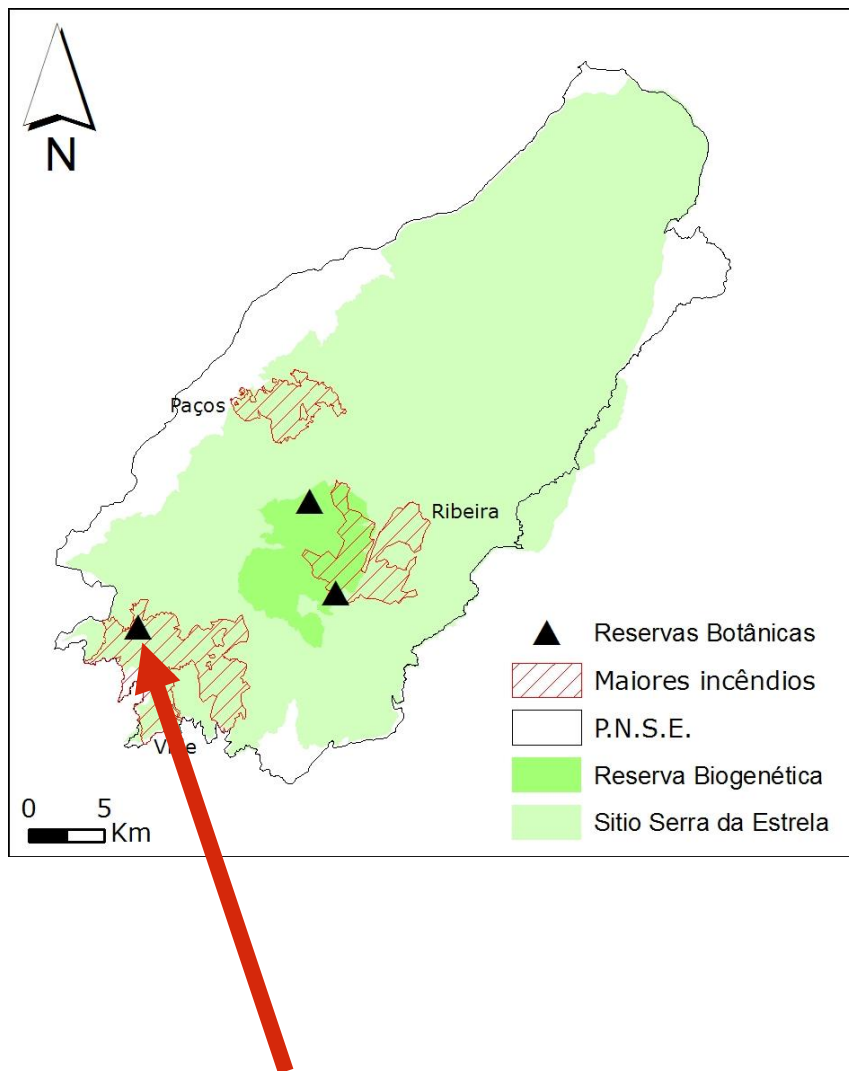


Com a contribuição do programa LIFE da Comissão Europeia
Foto: F. Clamote



● Ocorrências ■ Áreas ardidas, Modis 2005





Casal do Rei

Before



After





Casal do Rei

LIFE—RELICT

Preserving Continental Laurissilva Relicts



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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

Açor



Estrela



Monchique



Intervention
areas



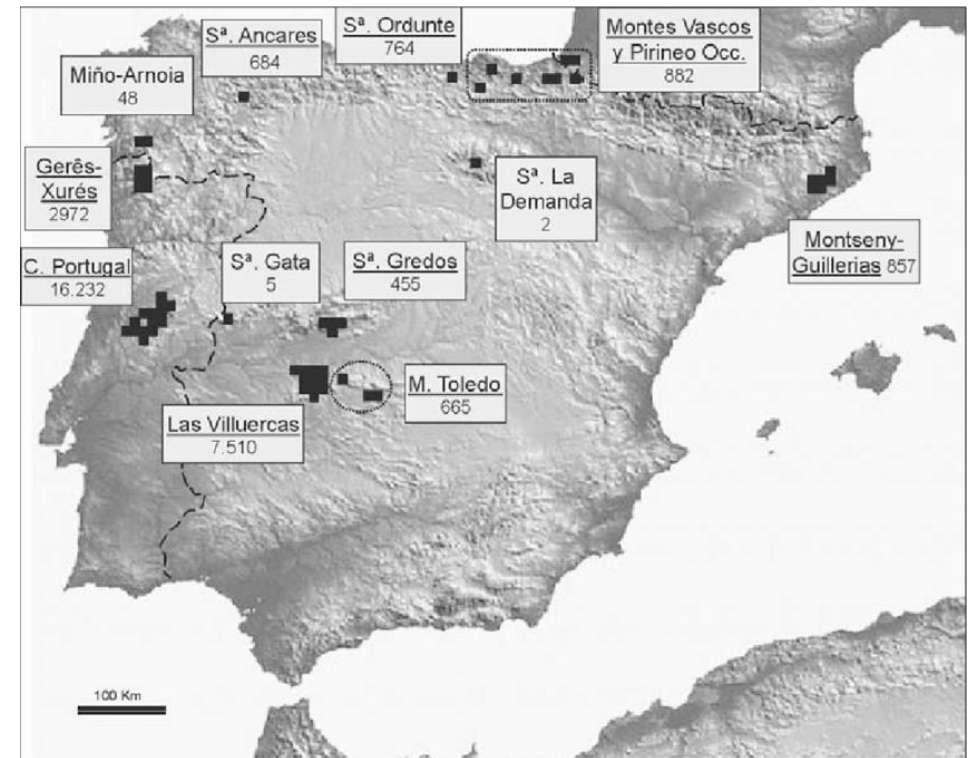
Azereirais

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).



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>

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

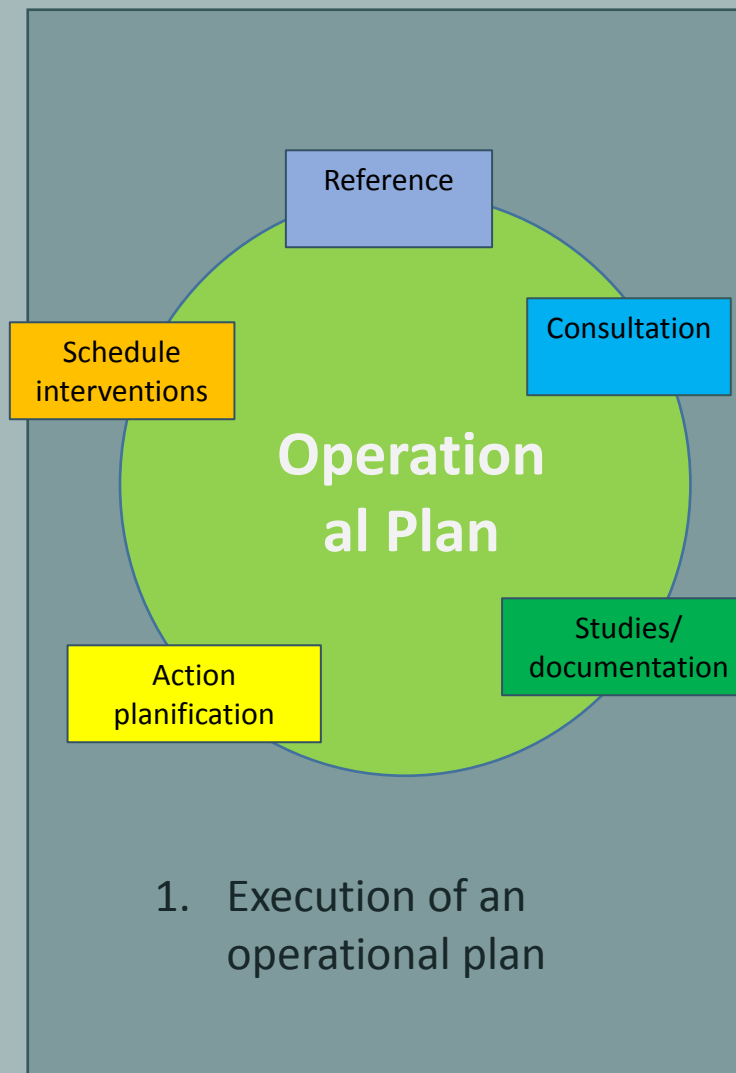
Reference state update



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



First campaign: oct. to dec. 2017

Second campaign: scheduled to begin in October 2018

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

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.



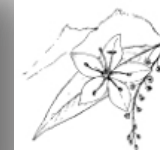
ACTION C.7. Decreased fire
risk



CENTRO DE INVESTIGACIONES
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DE EXTREMADURA



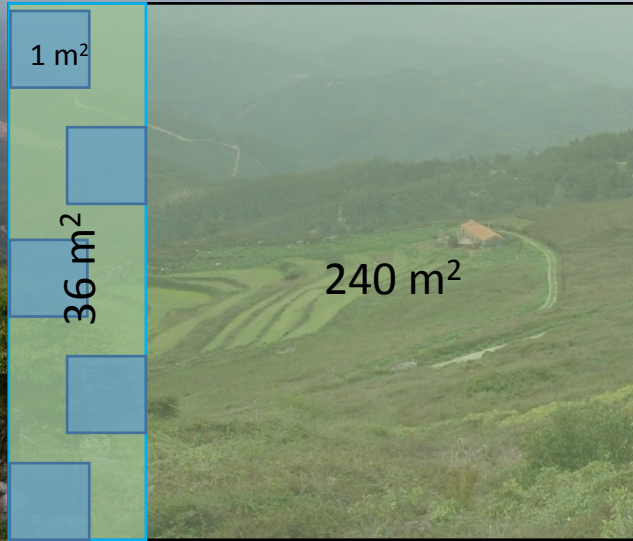
seia



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

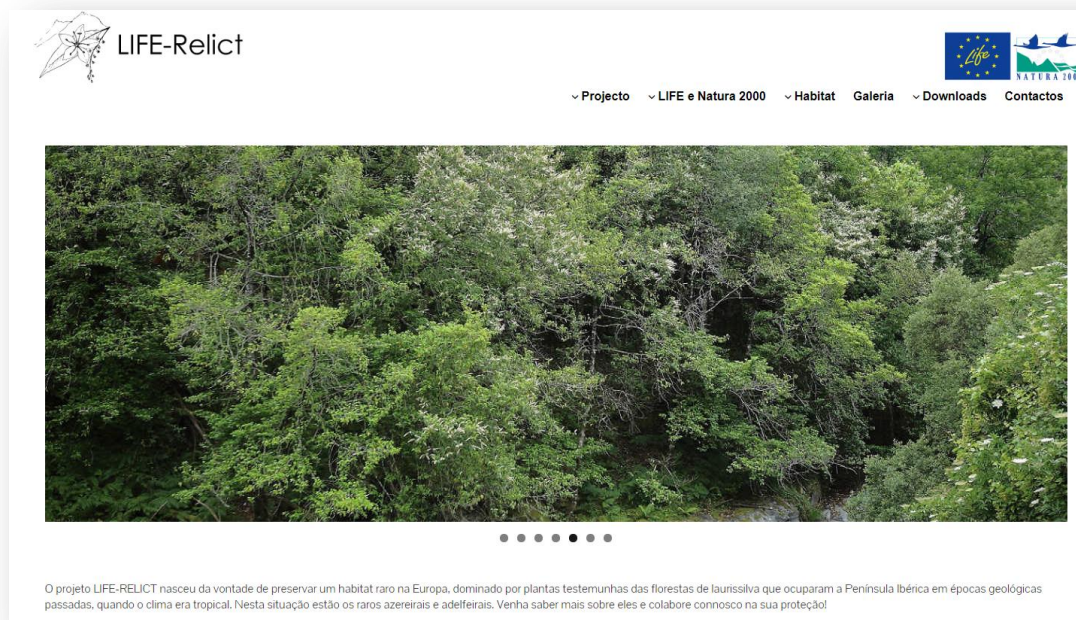




Cabeça – Aldeia Natal



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



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 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: 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^o ENCONTRO NACIONAL DE ECOLOGIA

15 e 16 de Novembro 2018 | Colégio Luís 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



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



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Foto: F. Clamote