



Governo dos Açores



FAIAL BOTANIC GARDEN

NATURE CONSERVATION PUT INTO PRACTICE

AZORES - PORTUGAL

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30
Anos

JARDIM
BOTÂNICO
DO FAIAL





NATURAL PARK OF FAIAL

EDEN European Destination of Excellence

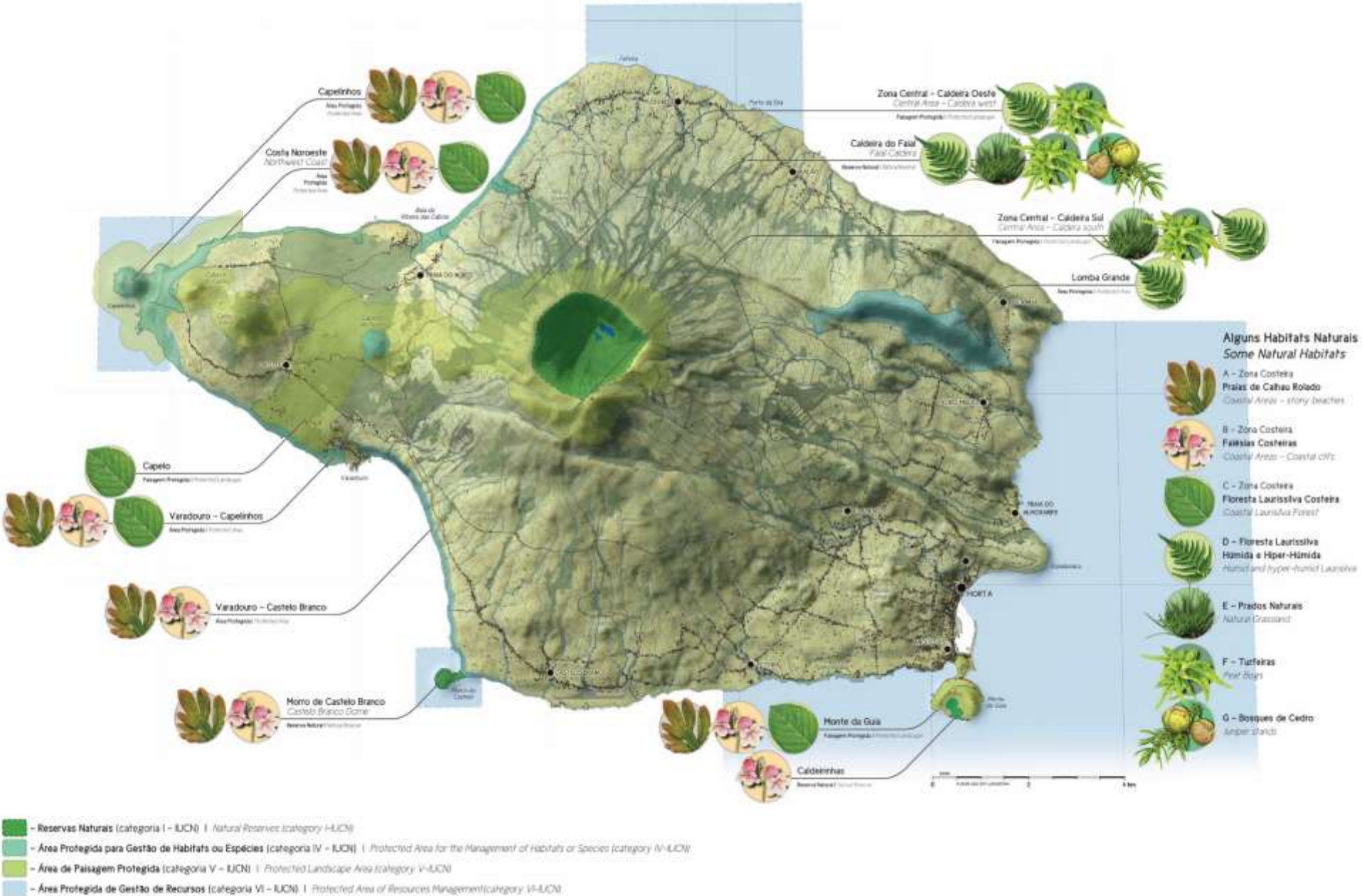
- 13 Protected Areas (Land - 30 Km²; Sea - 189 Km²)
- 8 Walking Trails (98 Km of walking trails)
- 2 Interpretative Circuits
- 5 Interpretative Centres: Faial Botanic Garden

Capelinhos Volcano Interpretation Center

Porto Pim Aquarium

Dabney House

Faial Nature Park Protected Areas



**Over 2,500
botanic gardens in
+150 countries -
strength in
diversity**



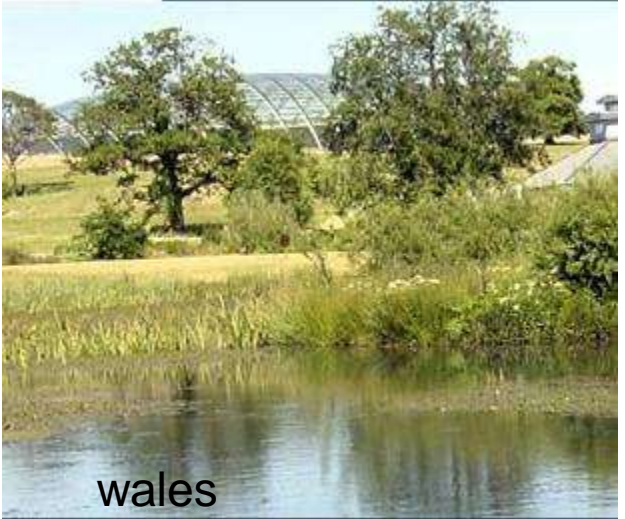
Indonesia



UK



Germany



wales



Rio de Janeiro - Brazil



Jordan



South Africa



Worldwide distribution of botanic gardens (2008)

2574 gardens included

Interesting facts about botanic gardens

- The world's botanic gardens contain 80,000 - 100,000 living plant species (approx 30% of all known plants)
- Their collections include plants that are 'extinct in the wild'
- Together they receive over 200 million visitors per year
- They provide an 'interface' between botanical science, horticulture and the public
- They engage with many different sectors of society (children, students, informed adults, gardeners, general public...)

Faial Botanic Garden





Faial Botanic Garden



Faial Botanic Garden



Pedro Miguel Botanic Garden

Faial Botanic Garden Conservation Program

- Carrying out Conservation Actions in Priority Habitats and Landscapes
- Establishing Action Plans for the Conservation of priority species of the Azores Flora
- Environmental Education and Scientific Research

“Ex situ”

- Collection of plants from the Azores
- Seed Bank of the Azores
- Rare plants Nursery

“In situ”

- Population, habitat and landscape protection
- Risk factors control

“Ex situ” Conservation

Collection of plants from the Azores

- Interpretative Collection for the Natural Flora of the Azores
- Rare plants populations
- Mother plants for propagation
- Environmental Education

- Flamengos –8.000 m² (120 m altitude)
- Pedro Miguel - 60.000 m² (400 m altitude)
- 95 native species
- 22 protected species

Veronica dabneyi



Myosotis azorica



“Ex situ” Conservation Azores Seed Bank

- Conserving seeds from all islands and species
- Defining germination protocols
- Collecting data on species biology
- Collecting data on species distribution and status
- Using ENSCONET protocol (European Native Seed Conservation Network)

“Ex situ” conservation Rare Plants Nursery

- Propagation of rare native species
- Defining propagation protocols
- Collecting data on species biology
- Breeding native plants for “in situ” action

Azorina vidalii

“In situ” conservation Landscape and Habitat level

Reserva Natural da Caldeira do Faial – 40 ha

Área Protegida do Vulcão dos Capelinhos – 75 ha

Reserva Natural do Morro Castelo Branco – 10 ha

Área Protegida do Cabeço do Fogo – 23 ha

Área Protegida do Monte da Guia – 25 ha

Pólo de Pedro Miguel – 6 ha

Charcos de Pedro Miguel – 4ha

Total: 183 ha

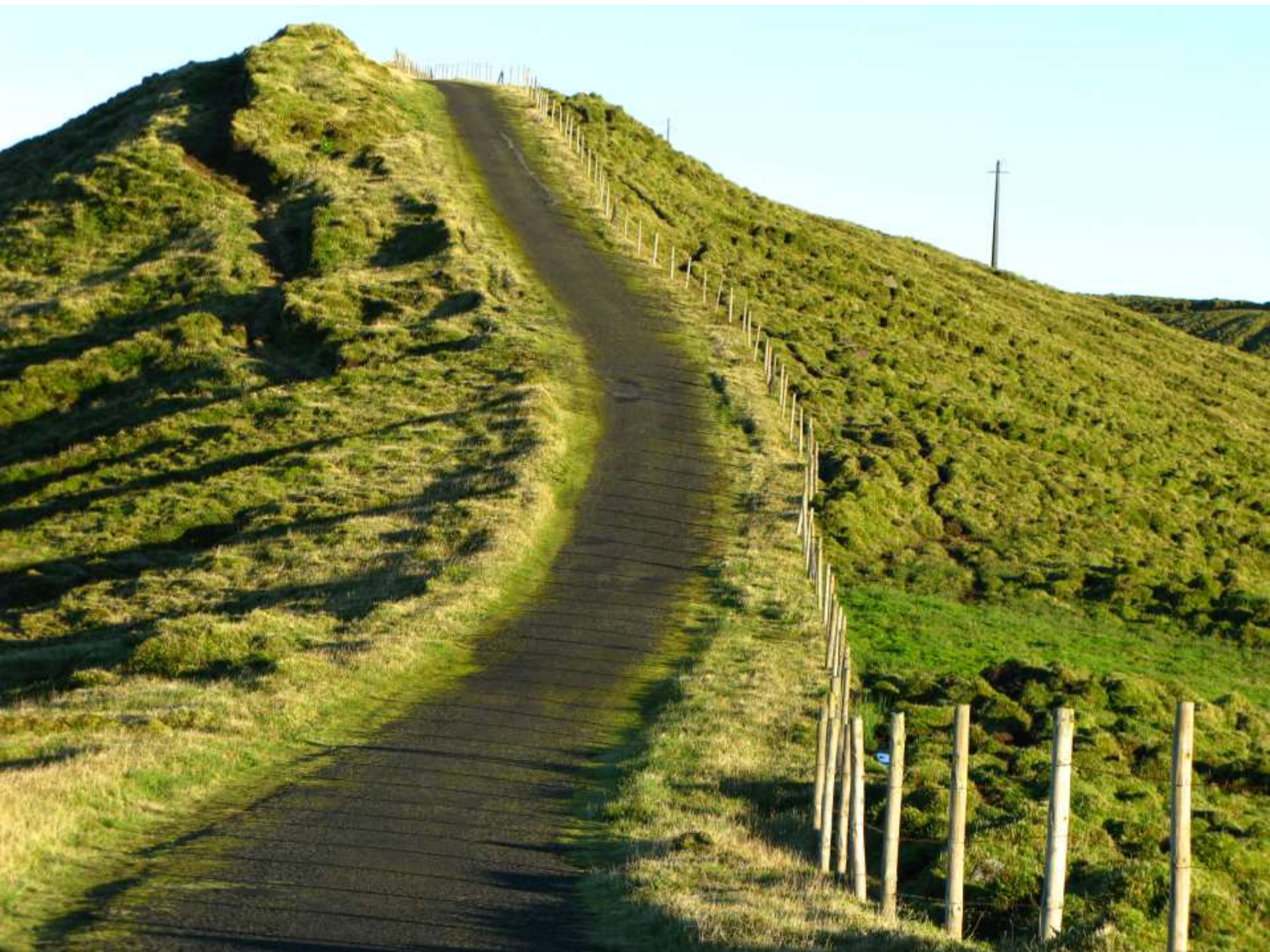
Faial Caldera Natural Reserve



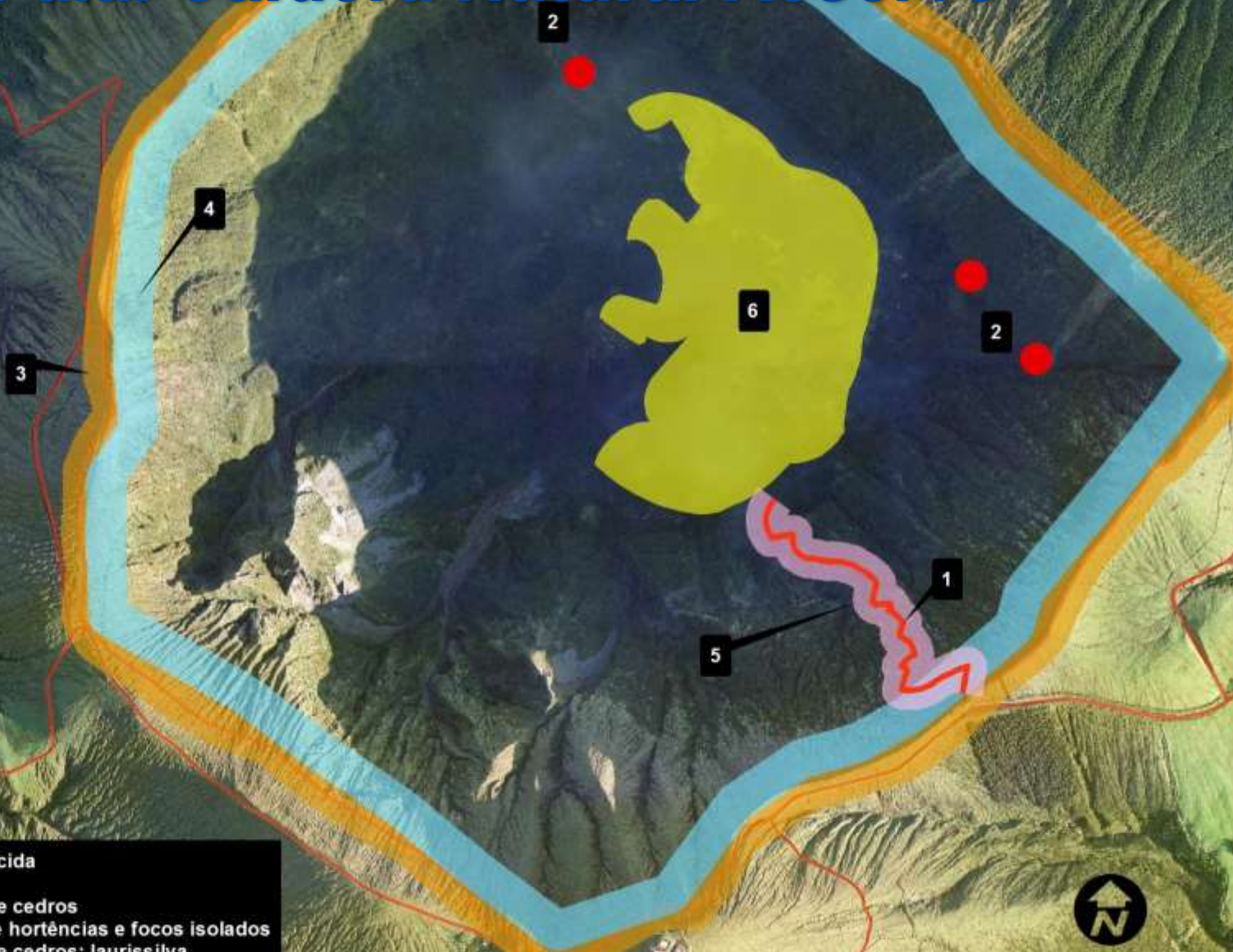
Foto: Barro Açores

Risk factor: Grazing





Faial Caldera Natural Reserve



- 1-Trilho da Caldeira - Descida
- 2-Focos de hortências
- 3-Prado alpino; bosque de cedros
- 4-Prado alpino; cordão de hortências e focos isolados
- 5-Prado alpino; bosque de cedros; laurissilva
- 6-Zona húmida; turfeiras

0 250 500 M

PRECEFIAS Capelinhos

Area Total de Intervenção



0 100 200 300 Mt

Hectares	Flora	Ação	Acesso	Restauração Ecológica
75	Arundo donax, Carpobrotus edulis	Corte e herbicida	Fácil	Myrica faya, Erica azorica, Festuca petraea

Capelinhos Volcano









Reserva natural do Morro de Castelo Branco



JMGarcia



Cagarro - Calonectris borealis (Cory 1881)

Fotografia: Paulo Silva/SIARAM

2003



2003







Myosotis maritima Hochst. ex Seub.



“In situ” conservation Threatened Plant Population

Rumex azoricus

Pericallis malvifolia

Prunus azorica

Taxus baccata

Myosotis azorica

Myosotis maritima

Ammi seubertianum





Rumex azoricus Rech.





Pericallis malvifolia







(Prunus azorica)
Ginjeira-brava







Taxus baccata L.



Ramo masculino com "flores"



Ramo feminino com falsos- frutos



FRUTO

ARILHO







RAMIREN

Myosotis azorica Watts.







FAIAL BOTANIC GARDEN

OBRIGADO – THANK YOU

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