

Active protection and integrated management of the N2000 network in the Azores

LIFE IP AZORES NATURA – LIFE17 IPE/PT/000010



5th Monitoring Visit

São Miguel, 2-5 September 2022
Santa Maria, 6 September 2022



GOVERNO
DOS AÇORES

Secretaria Regional do Ambiente
e Alterações Climáticas



GOVERNO
DOS AÇORES



• Agenda

Friday, 2nd September:

09:30h (SRAAC conference room – São Miguel)

1. Opening with the Regional Secretary for the Environment and Climate Change
2. Action progress

13:00h – 14:30h (Lunch)

4. Continuation – action progress
5. Complementary actions
6. Financial execution / Documentation

• Agenda

Monday, 5th September:

09:30h (SRAAC conference room – São Miguel)

1. Visit to the Lagoa do Fogo intervention area (action C4.1)
2. Visit to the Serra da Tronqueira intervention area and Pomar das Furnas nursery (actions C3, C4.3, and C5)

Flight from São Miguel (departure at 20:00) to Santa Maria (arrival at 20:30)

Tuesday, 6th September:

1. Visit to the intervention areas Vila Islet (if the sea condition allows; action C6.1), Ribeira do Salto (*Euphorbia santamariae* plantings; action C3.2), and Ponta do Castelo (*Agave americana* control; action C8.1)

Return to São Miguel (departure at 20:55, arrival at 21:25)

Pillars



We Gather Knowledge (new data)

We Capacitate

We Manage (marine conservation)

We Manage (terrestrial conservation)

We Integrate

We Disseminate, Participate and Raise Awareness

We Coordinate

**We Gather Knowledge
(new data)**

Actions:

- **A1**
- **A2**
- **A3**
- **A4.1**
- **A4.2**
- **A4.3**
- **C3.1**
- **C7**

We Gather Knowledge (new data)

- **Action A1** – Preparatory operational planning for conservation works
- **Sub-action A1.1** – Technical planning / Operational Plans:

SRAAC – All OPs concluded / updated

SPEA – Revision of Endemic Plant Nursery OP

DRPM – Operational Plans C6.2, C9 (task 1: RACA), C9 (Task 2: green turtle), C10.2 and C12, that are dependent on the international open tender, will be finalised by the end of 2022 as requested in the amendment proposal.

Plano Operacional da Ilha do Faial
Projeto LIFE IP AZORES NATURA (LIFE17 IPE/PT/000010)

Maio 2022

We Gather Knowledge (new data)

- **Action A1** – Preparatory operational planning for conservation works
 - **Sub-action A1.1** – Technical Planning:

Regional Strategy for the Control and Prevention of Invasive Alien Species (IAS)

- 4 technical reports received, including list of IAS present in the Azores;
- DRAAC's Fauna and Flora Division is preparing the dissemination of the Regional Strategy, as well as the regional regulation regarding IAS.

We Gather Knowledge (new data)

- **Action A1** – Preparatory operational planning for conservation works
- **Sub-action A1.2** – Licences and permits:

All licences have been renewed:

- Bird ringing
- Seed collection
- Lizard exclusion plots



REGIÃO AUTÓNOMA DOS AÇORES
SECRETARIA REGIONAL DO AMBIENTE E ALTERAÇÕES CLIMÁTICAS
Direção Regional do Ambiente e Alterações Climáticas

LICENÇA Nº 73/2022/DRAAC

LICENÇA PARA CAPTURA, MANUSEAMENTO E ANILHAGEM DE ESPÉCIMES DE FAUNA SELVAGEM NO TERRITÓRIO DA REGIÃO AUTÓNOMA DOS AÇORES AO ABRIGO DO DECRETO LEGISLATIVO REGIONAL Nº 15/2012/A, DE 2 DE ABRIL.

TITULAR DA LICENÇA: Diana C. Pereira

N.I.C.: 13459288

OUTROS: Sol Heber {C4W1CZYT4}, Maria Magalhães (10141799), Rita Carriço (12977459), Susana Simião (12764582), João Lagoa (13388647), Vanda Carmo (12160607), João Augusto do Rosário Silva Monteiro (11615634), Filipa Raquel Andrade Pinto (13617916), Rui Miguel Vieira de Sequeira (11084757), Francisco dos Santos Bernardo (10959907), João Manuel Ferreira Cabral (09236349), Marta Isabel Moreira da Cunha (12508942), Anabela Amarante Silva (11967460), Marta Luísa Soares Bettencourt (11814214), Cristina Bettencourt Marques (13306030), Ana Lúcia Sousa Cardoso (13011618), Nuno Ponte (11554226), Adelino Cabral (9722095), Afonso Melo (8495471), Aniceto Cordeiro (5563674), António Melo (7319465), David Teves (10259278), Guilherme Pacheco (15168796), Hildeberto Ferreira (9703412), Humberto Ferreira (1490991), João Feleja (6978071), João Sousa (14658575), Kenny Alves (14251374), Miguel Medeiros (14197458), Tiago Silva (13972254), Sónia Soares (13576523), Beatriz Branco (14391996), Rita Melo (11972167), Ana Paula Jorge de Faria (12855981), Carlos Eugénio Rosa Bettencourt (13558190), Catarina da Graça Mendonça Brasil (14430332), Eduardo Miguel Duarte Silveira (3457928), Jóni de Jesus Figueiredo (14155437), Lúcia de Jesus Andrade Nogueira (12006468), Maria Cabrita Teixeira (129614), Paulo Renato Nunes Freitas (11398488), Sónia Sofia Simas Silva (14308450), Valter Nuno Rodrigues Medeiros (12353225), Patrícia Alexandra da Silva Meirinho (14408701), Rui Paulo Silva Madruga (9650540), Milton Alexandre Sousa Mota (13981120), Alexandre Bettencourt Pinto de Lacerda (12149209), Tânia Pipa (12864663), Carlos Silva (11540549), Beatriz Martins (14367744), Ana Raposo (15137480), Telma Sofia Relvas Figueiredo (14774055), Luís Miguel Silva Cravinho (12925403), Cátia Silva Estácio (13931828), Carolina Alves Teixeira (14675334), Rui Miguel Domingos Pimentel (246312769), Barbara Ambros Martinez (285111426), Vera Lisa Generosa da Silva Paiva (208893687), Nelson Braga Moura (13439569), Rita Maria Torres Gago da Câmara (11564835), Jaime Bairos (11341329), Paulo Jorge Ávila da Silveira (11340679), Fábio Miguel Soares Mendes (13253250), José Adriano Brasil da Silva (12839618) e Diana Raquel Vertentes Braga (11615634).

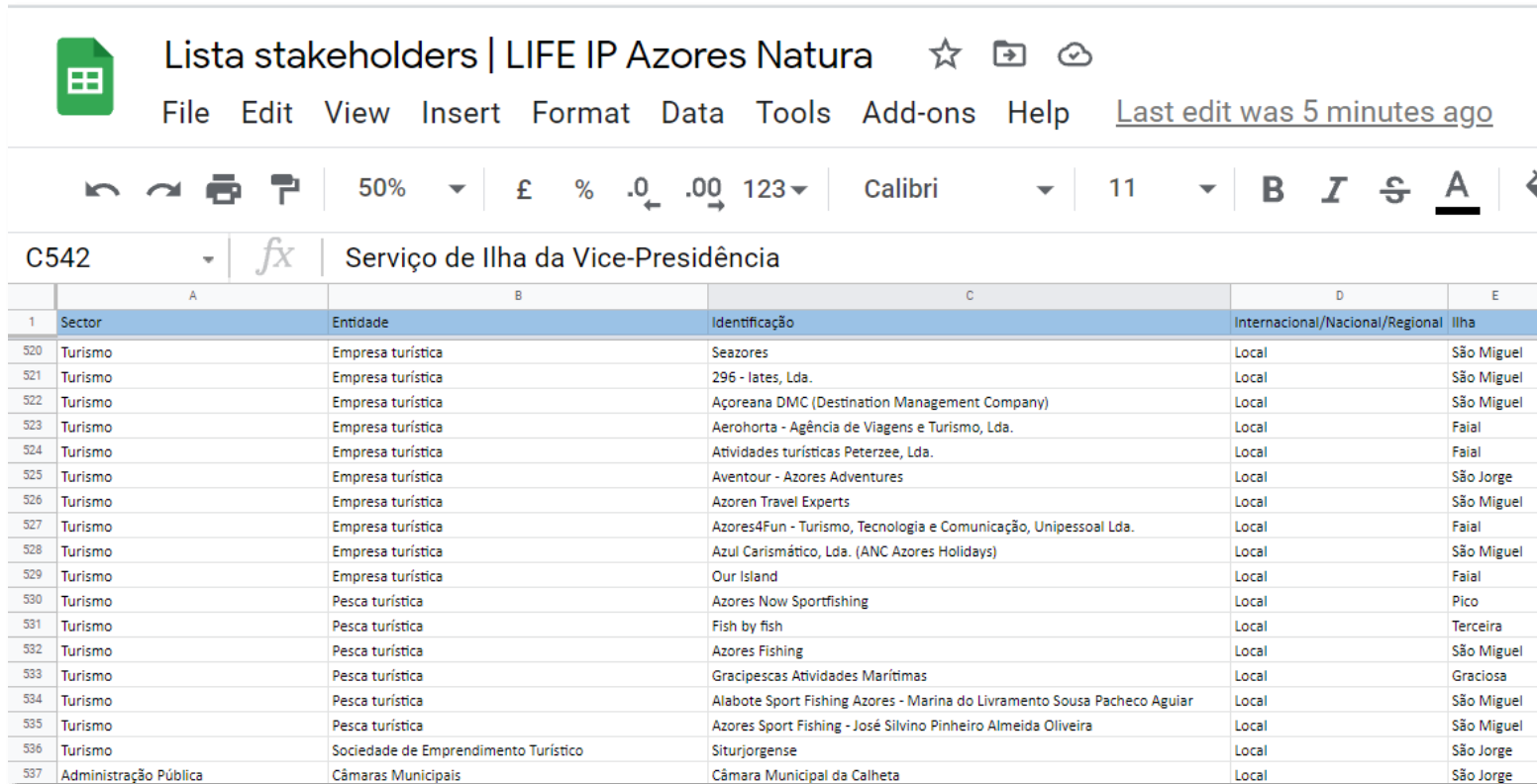
ESPÉCIES EM CAUSA: *Calonectris borealis* (cagarro), *Puffinus puffinus* (estapagado), *Puffinus lherminieri* (frulho), *Hydrobates castro* (painho da Madeira), *Hydrobates monteiroi* (painho de Monteiro), *Bulweria*

We Gather Knowledge (new data)

- **Action A1** – Preparatory operational planning for conservation works
 - **Sub-action A1.3** – Stakeholder engagement:

The stakeholders list with **790** elements is being used to circulate information about public calls in the sectors:

- agriculture
- tourism
- public administration
- public authorities
- associations
- companies (start-ups)



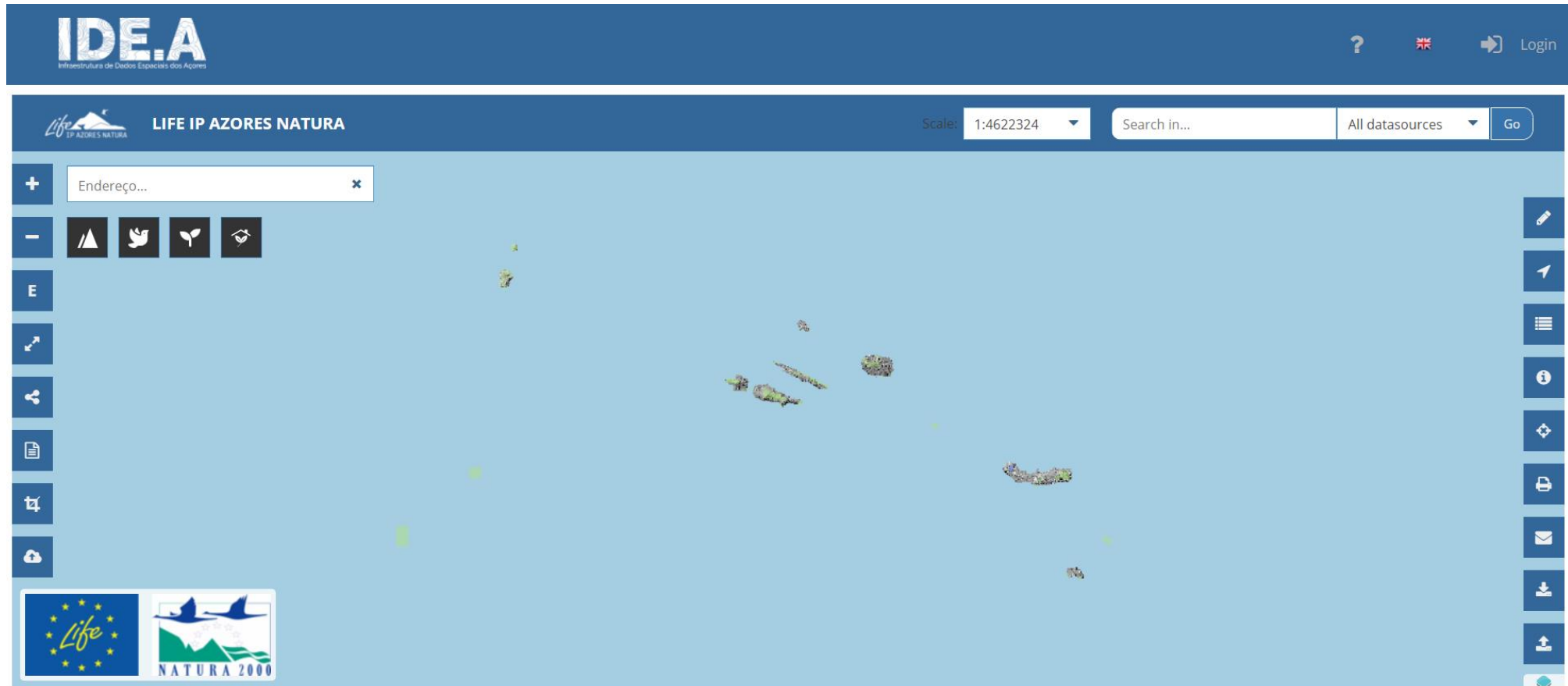
The screenshot shows a Google Sheet titled "Lista stakeholders | LIFE IP Azores Natura". The sheet contains a table with 5 columns: Sector, Entidade, Identificação, Internacional/Nacional/Regional, and Ilha. The table lists various stakeholders, primarily in the tourism sector, including companies like Seazores, 296 - lates, Lda., and Açozeana DMC, as well as public administration entities like the Câmara Municipal da Calheta.

	A	B	C	D	E
1	Sector	Entidade	Identificação	Internacional/Nacional/Regional	Ilha
520	Turismo	Empresa turística	Seazores	Local	São Miguel
521	Turismo	Empresa turística	296 - lates, Lda.	Local	São Miguel
522	Turismo	Empresa turística	Açozeana DMC (Destination Management Company)	Local	São Miguel
523	Turismo	Empresa turística	Aerohorta - Agência de Viagens e Turismo, Lda.	Local	Faial
524	Turismo	Empresa turística	Atividades turísticas Peterzee, Lda.	Local	Faial
525	Turismo	Empresa turística	Aventour - Azores Adventures	Local	São Jorge
526	Turismo	Empresa turística	Azoren Travel Experts	Local	São Miguel
527	Turismo	Empresa turística	Azores4Fun - Turismo, Tecnologia e Comunicação, Unipessoal Lda.	Local	Faial
528	Turismo	Empresa turística	Azul Carismático, Lda. (ANC Azores Holidays)	Local	São Miguel
529	Turismo	Empresa turística	Our Island	Local	Faial
530	Turismo	Pesca turística	Azores Now Sportfishing	Local	Pico
531	Turismo	Pesca turística	Fish by fish	Local	Terceira
532	Turismo	Pesca turística	Azores Fishing	Local	São Miguel
533	Turismo	Pesca turística	Gracipescas Atividades Marítimas	Local	Graciosa
534	Turismo	Pesca turística	Alabote Sport Fishing Azores - Marina do Livramento Sousa Pacheco Aguiar	Local	São Miguel
535	Turismo	Pesca turística	Azores Sport Fishing - José Silvino Pinheiro Almeida Oliveira	Local	São Miguel
536	Turismo	Sociedade de Empreendimento Turístico	Siturjorgense	Local	São Jorge
537	Administração Pública	Câmaras Municipais	Câmara Municipal da Calheta	Local	São Jorge

We Gather Knowledge (new data)

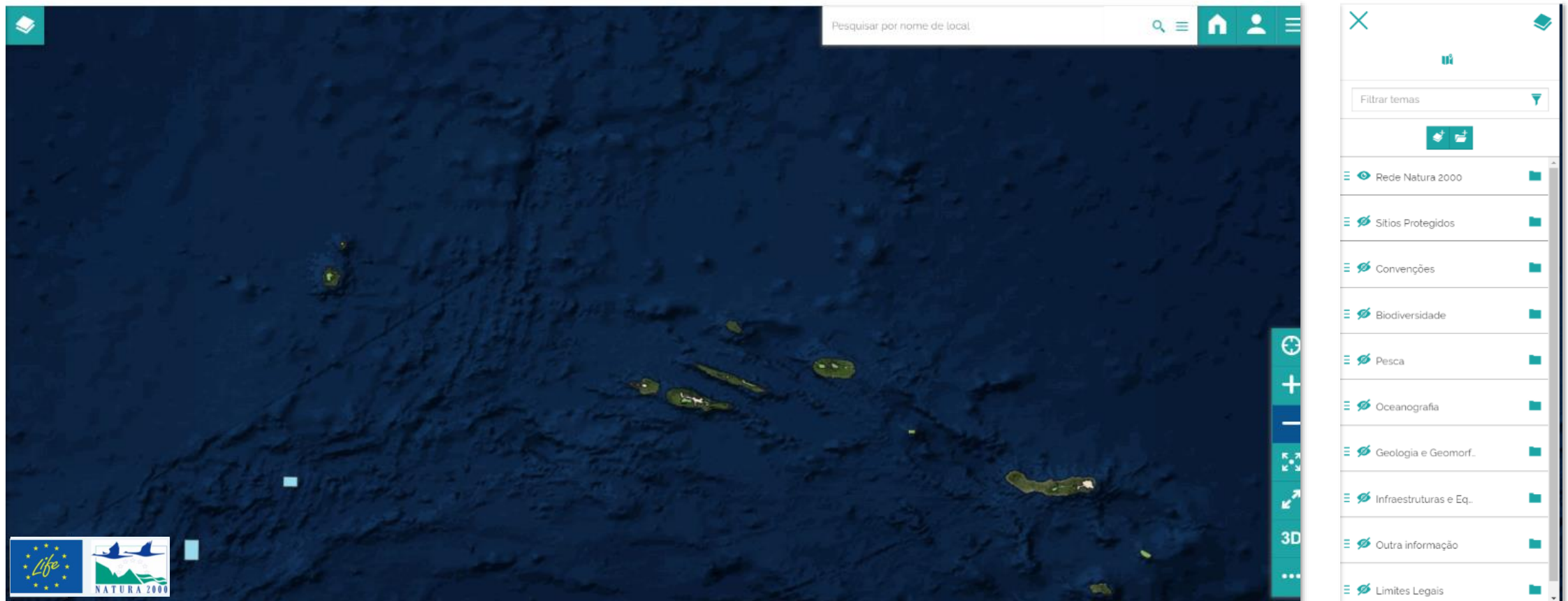
- **Action A2** – Setting-up of an integrated WebGIS Azores N2000 terrestrial database

The WebGIS platform is fully operational. Currently, data is being verified in order to be uploaded onto the platform.



We Gather Knowledge (new data)

- **Action A3** – Setting-up of an integrated WebGIS Azores N2000 marine database:
<https://sigmar.dram.azores.gov.pt/#/>



We Gather Knowledge (new data)

Action A3 – Setting-up of an integrated WebGIS Azores N2000 marine database

- Design of a new application for Coastal observation (Vigia da Baleia)

[illegible]

We Gather Knowledge (new data)

Action A3 – Development of a scheduling web application for the maritime tourism operators

- Schedule slots for accessing management areas with touristic interest;
- Book and visualise scheduled trips.


GOVERNO DOS AÇORES Esta é uma presença online oficial do Governo dos Açores | COVID-19

OMT Agenda



Ilhéus das Formigas e Recife Dollabarát

Corrente Semana Próxima Semana

Horário	Segunda-feira 29 de Agosto de 2022	Terça-feira 30 de Agosto de 2022	Quarta-feira 31 de Agosto de 2022	Quinta-feira 1 de Setembro de 2022	Sexta-feira 2 de Setembro de 2022	Sábado 3 de Setembro de 2022	Domingo 4 de Setembro de 2022
09:00 - 10:30	✓	✓	📅	×	×	📅	📅
10:30 - 12:00	📅	×	×	📅	×	×	📅
12:00 - 13:30	×	×	×	📅	📅	×	📅
13:30 - 15:00	📅	📅	×	×	×	📅	×
15:00 - 16:30	×	×	×	📅	×	×	×
16:30 - 18:00	×	×	×	✓	×	✓	×
18:00 - 19:30	📅	📅	×	📅	×	📅	📅



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✉ info.drpm@azores.gov.pt

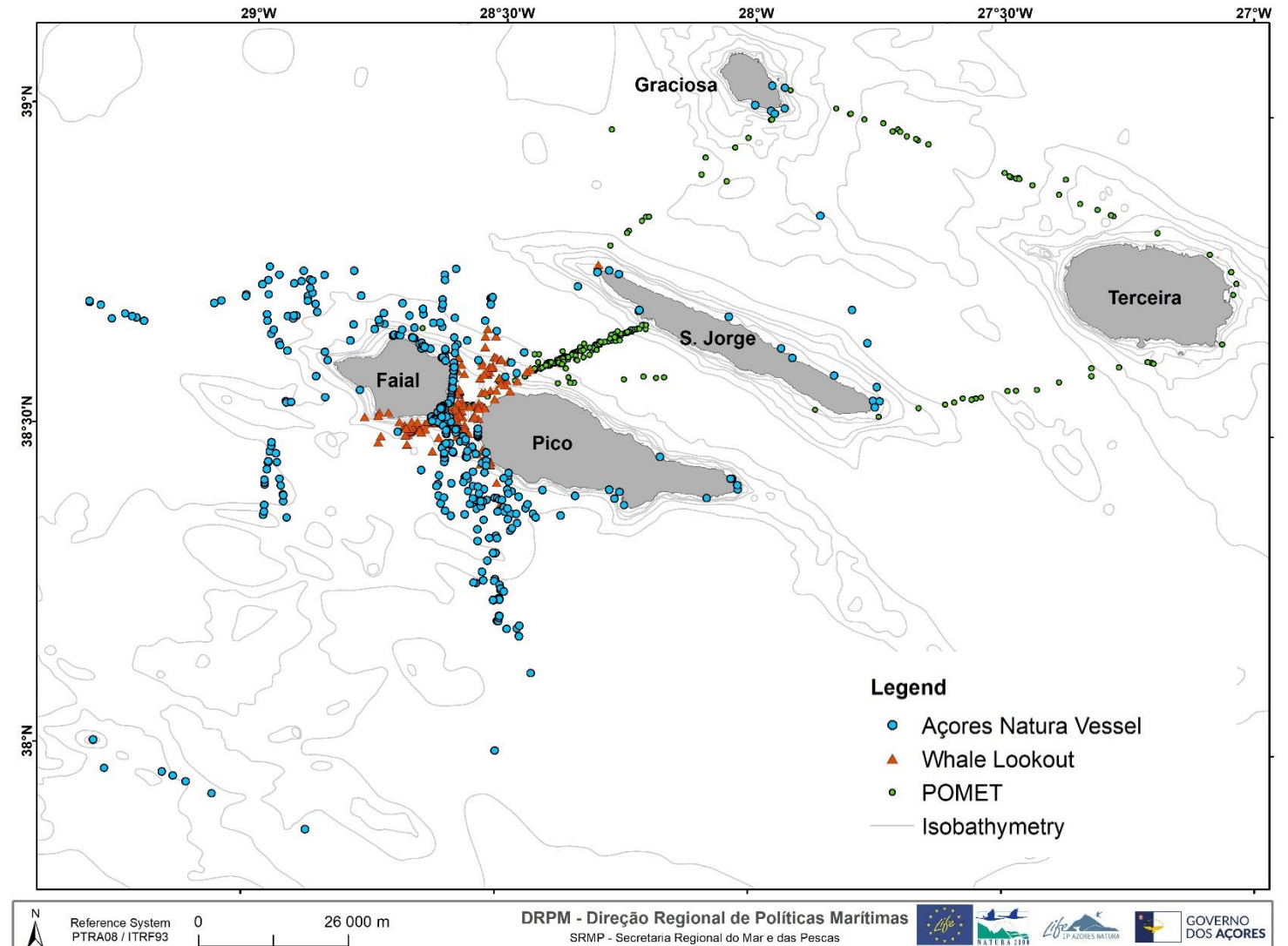
📍 Rua D. Pedro IV n° 29, 9900-111
Horta

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We Gather Knowledge (new data)

Action A3 – Information structuring and standardization of data gathering methods

- Data collected within the frame of LIFE IP AZORES NATURA field work.



We Gather Knowledge (new data)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora
- **Sub-action C3.1** – *Ex-situ* conservation

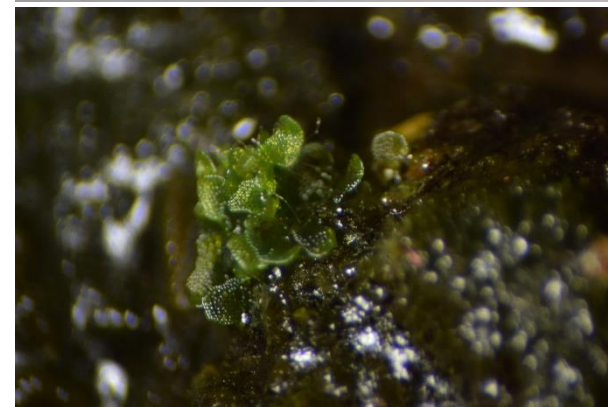
Collection of additional **7.7 kg** of seeds / spores (total of **68.6 kg** since beginning of the project) from **6 species** since the beginning of 2022 (12 samples)

→ Seed collection “high season” is during the summer/autumn



We Gather Knowledge (new data)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora
 - **Sub-action C3.1** – *Ex-situ* conservation
 - Propagation trials of *Asplenium hemionitis* successful, with some individuals reaching mature stage;
 - Vegetative propagation suggested to be more efficient.



We Gather Knowledge (new data)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora

- **Sub-action C3.1** – *Ex-situ* conservation

- *Isoëtes azorica* populations confirmed on Corvo, Flores, Pico and Terceira islands;
- No population confirmed on São Jorge Island so far, but prospection continues;
- Networking meetings with LIFE Charcos to acquire knowledge on *Isoëtes* sp. propagation (action E3).



We Gather Knowledge (new data)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora

- **Sub-action C3.1** – *Ex-situ* conservation

Germination rates of propagation trials in 2022:

- *Angelica lignescens*: 30% (1 year dormancy), n = 2
- *Euphrasia* sp.: 20-50%, n = 2
- *Ammi trifoliatum*: 18%, n = 2
- *Chaerophyllum azoricum*: 70-100%, n = 3
- *Euphorbia stygiana*: >40%, n = 2
- *Myosotis azorica*: >60%, n = 2
- *Rumex azoricus*: >90%, n = 5



We Gather Knowledge (new data)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora
 - **Sub-action C3.1** – *Ex-situ* conservation
 - *Lactuca watsoniana* propagation protocols¹ are being adapted to the BGF (Botanical Gardens of Faial) nurseries;
 - Propagation trials successfully carried out at the BSA (Azores Seed Bank);
 - First plantations (**103 individuals**) carried out on Pico Island in May 2022 (action C3.2).



¹ Dias et al. 2015. Interactions between temperature, light and chemical promoters trigger seed germination of the rare Azorean lettuce, *Lactuca watsoniana* (Asteraceae). *Seed Science and Technology* 43(2): 1-12.

We Gather Knowledge (new data)

- **Action C7** – Assessing the distribution and conservation of *Nyctalus azoreum*
 - Contract signed with the company **Biomater - Ambiente, Sustentabilidade e Conservação da Natureza, Lda.**, on 10 May 2022 – “Acquisition of specialized services for field inventory, mapping, data processing of bat species existing in the RAA and development of the Regional Action Plan for *Nyctalus azoreum*;
 - First work meetings held to discuss the type of equipment to be acquired;
 - First report due in August 2022;
 - Sampling (acoustic and with nets) of at least **215 points** on all islands;
 - First awareness-raising event deployed this year: International Bat Night.



We Gather Knowledge (new data)

- **Action C7** – Assessing the distribution and conservation of *Nyctalus azoreum*
 - Contract signed with the company **Biomater - Ambiente**, Sustentabilidade e Conservação da Natureza, Lda., on 10 May 2022;
 - First work meetings held to discuss the type of equipment to be acquired;
 - First report due in August 2022;
 - Sampling (acoustic and with nets) of at least **215 points** on all islands;
 - First awareness-raising event deployed this year: International Bat Night.



We Capacitate

Actions:

- **C2.1**
- **C2.2**

We Capacitate

- **Action C2** – Capacity building
 - **Sub-action C2.1** – Internal capacity building

Training sessions carried out since January 2022:

- First Aid – **93 participants** on all islands; on some island, several sessions took place; **12 training sessions of a total of 46** since the beginning of the project;
- Participation in webinars relevant to the project.

Training sessions planned for Oct/Nov 2022:

- Works at height;
- Basic chainsaw course;
- Advanced chainsaw course.



We Capacitate

- **Action C2 – Capacity building**
 - **Sub-action C2.2 – External capacity building**
 - External Capacity Building Plan has been drafted, based on the **95 answers** received to stakeholders survey;
 - May 2022: Hands-on training event about natural engineering structures for water stream restoration delivered by E.RIO in partnership with SPEA (17 participants);
 - La Palma: online survey to determine capacity building needs, in line with action C11, with respect to IAS (300 participants).



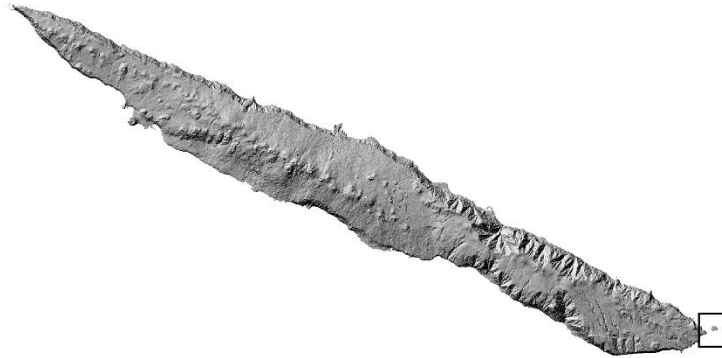
We Manage (Marine Conservation)

Actions:

- **C1.1**
- **C6.1**
- **C6.2**
- **C9**
- **C10.1**
- **C10.2**
- **C10.3**
- **C12**
- **D1**
- **D5.2**

We Manage (marine conservation)

- **Action C1** – Purchase of privately-owned land for the subsequent restoration of natural *habitats* and protected species
 - **Sub-action C1.1** – Topo Islet (São Jorge)
 - First prospection visit in June 2022;
 - Cattle presence prevents the implementation of *habitat* restoration measures;
 - Nautical equipment was installed in August 2022 in order to improve anchoring and mooring conditions.



We Manage (marine conservation)

- **Action C6** – Implementation of integrated conservation works for seabirds
- **Sub-action C6.1** – Restoration of seabird *habitat*

Task 1 – *Habitat* restoration:

- Seed collection of native species continues
- Cuttings of *Tolpis succulenta* collected
- Propagation at BGF:
 - **400** *Azorina vidalii*
 - **250** *Festuca petraea*
 - **150** *Spergularia azorica*
 - **308** *Crithmum maritimum*
- Direct sowing – **191 g** *Morella faya* seeds



We Manage (marine conservation)

- **Action C6** – Implementation of integrated conservation works for seabirds
- **Sub-action C6.1** – Restoration of seabird *habitat*

Task 2 – Other nesting support measures:

- **50 tern shelter boxes** with **17 decoys** installed in April 2022 on all islets prior to nesting season;
- Installation of sound system around 306 procellariiform artificial nests in May 2022 ;
- First prospectors encountered and **3 successful nesting attempts less than 1 year after installation.**

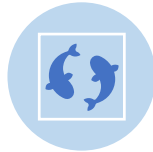


We Manage (Marine Conservation)

- **Action C9** – Restoring coastal and marine species

Task 1 – Improvement of Azores Stranding Network rescue and rehabilitation response for sea turtles

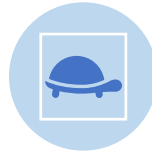
Since 2019 RACA has responded to



112
STRANDING
EVENTS



59
CETACEANS



51 SEA
TURTLES



1 PINNIPED



81 dead strandings

31 injured animals

13 released

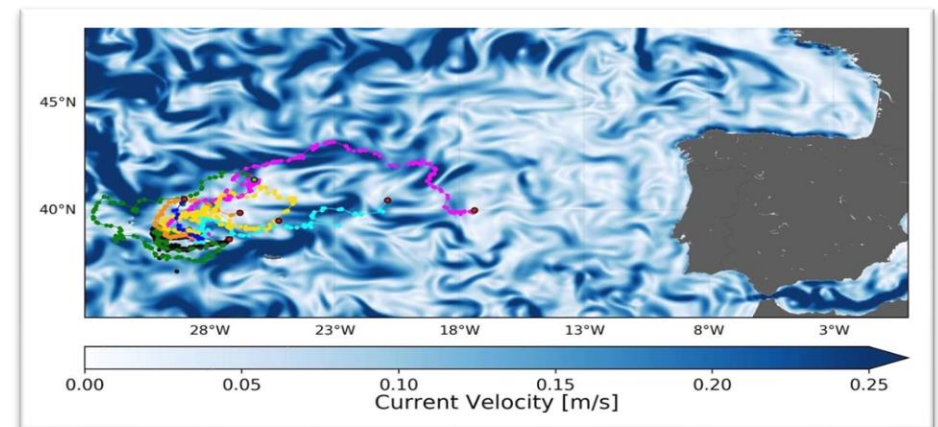


We Manage (Marine Conservation)

- **Action C9** – Restoring coastal and marine species

Task 1 – Improvement of Azores Stranding Network rescue and rehabilitation response for sea turtles

- **30 small loggerhead turtles** have been tagged since November 2021 (collaboration with complementary COSTA project);
- A rescued green sea turtle was marked with a satellite tag to assess the survival rate and post-release behavior;
- International open tender Lot 6 – Marine turtles tasks are just starting...



We Manage (Marine Conservation)

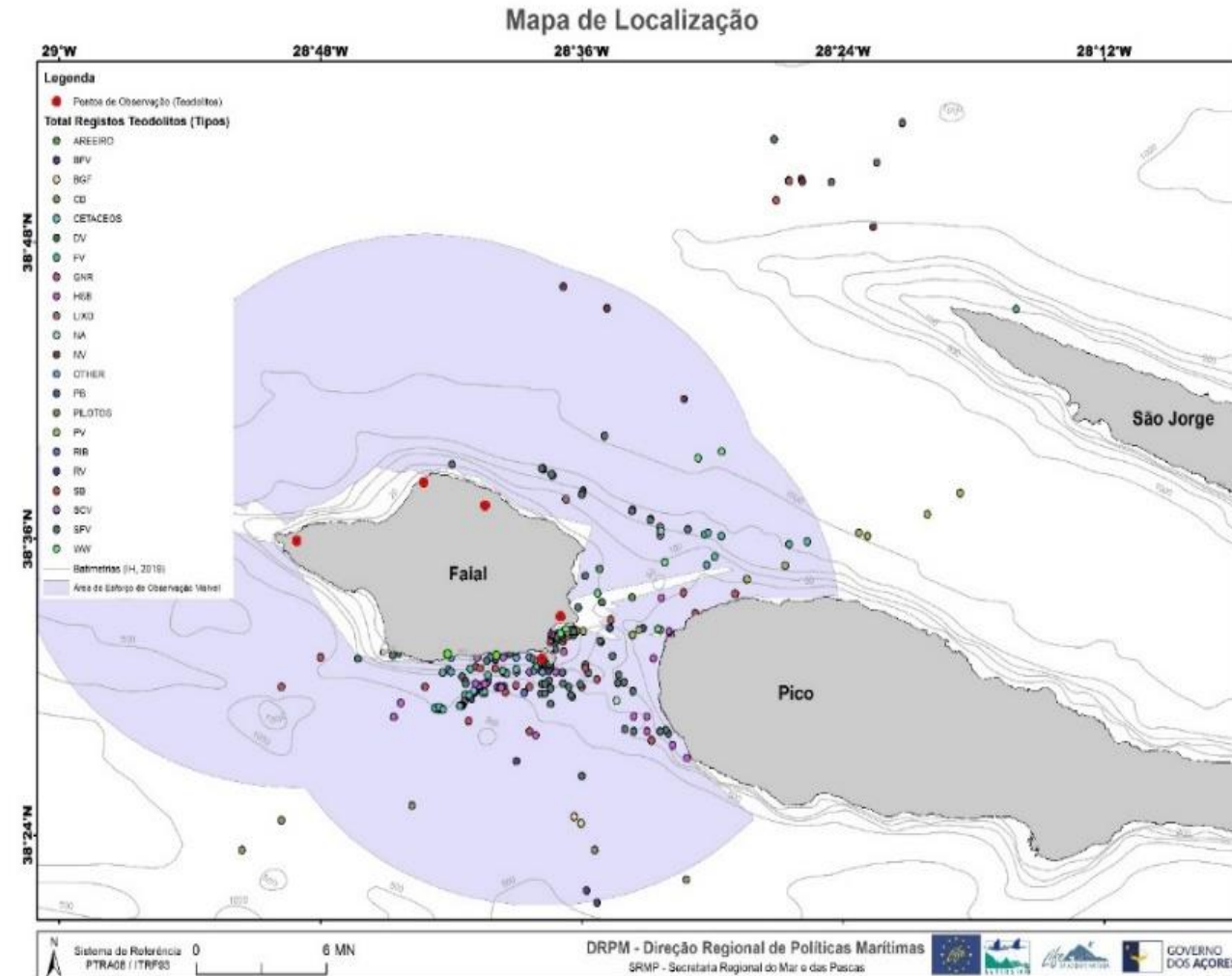
- **Action C9** – Restoring coastal and marine species

Task 3a – Monitoring of megafauna and maritime activity from coastal observations

- 18 days (78 hours) of field work
- 313 recorded sightings
- 1 628 km² sampling area

Necessity to calibrate some of the parameters associated with each station.

Station	Calibration status	2 nm surface distance	4 nm surface distance
		Mean recorded error (meters)	Mean recorded error (meters)
Salão	Before	75.0	157.8
	After	5.3	26.2



We Manage (Marine Conservation)

- **Action C9** – Restoring coastal and marine species

Task 3a – Monitoring of megafauna and maritime activity from coastal observations

- Development of 3 registration forms:
 1. Information on type of field trip;
 2. 'Scan sampling' methodology;
 3. Registration of sightings when computer is not operational.

[illegible]

We Manage (Marine Conservation)

- **Action C9** – Restoring coastal and marine species

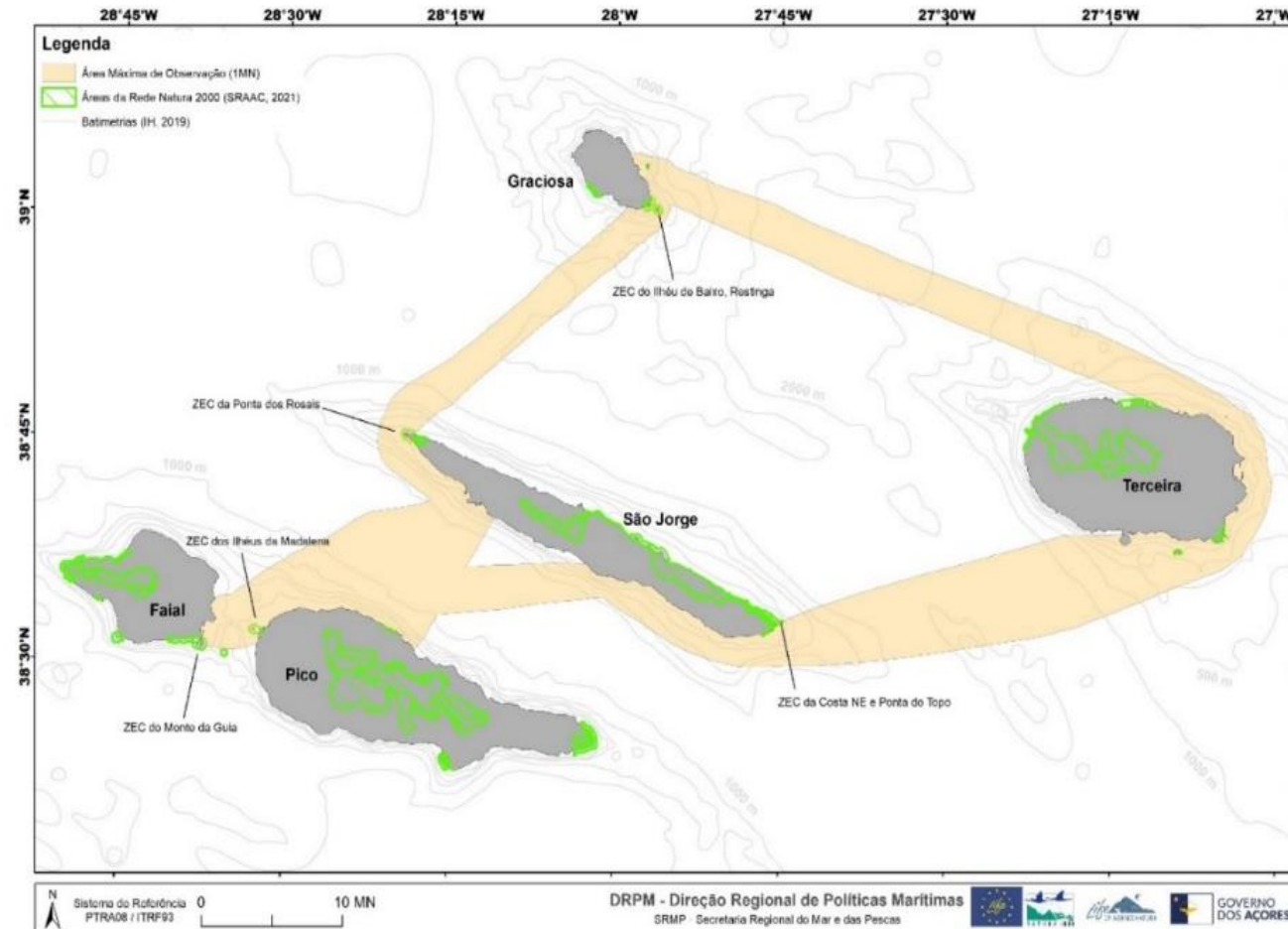
Task 3b – Monitoring of megafauna and marine litter on board of local traffic vessels (Atlânticoline)

August 2021 – August 2022:

- 233 observation days
- 1 819 km² covered, 0.29% of which N2000 area
- 3 849 transects surveyed = 785 hours = 20 779 km

Sightings:

- Seabirds: 3 820 (12 species)
- Cetaceans: 228 (10 species)
- Turtles: 31 (loggerhead sea turtles)
- Floating marine litter: 81





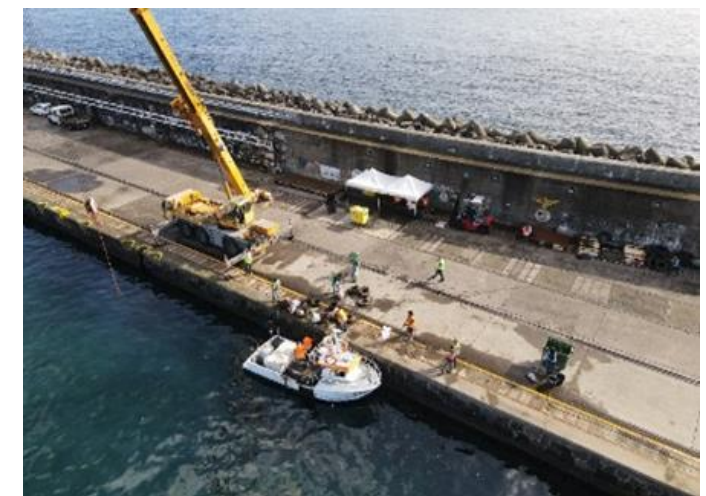
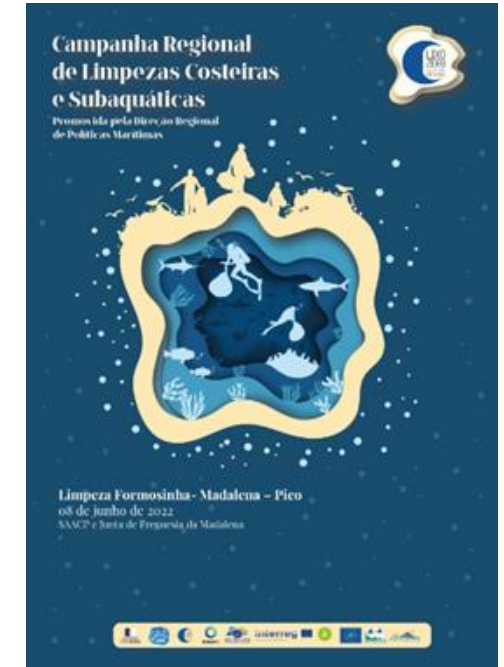
A DIREÇÃO REGIONAL DE POLÍTICAS MARÍTIMAS

We Manage (Marine Conservation)

- **Ação C10** – Restoring coastal and marine habitats
 - **Sub-ação C10.1** – Minimising marine litter impact in marine coastal habitats

Task 1 – Community engagement

Regional Campaign for Coastal and Underwater Cleaning of the Azores



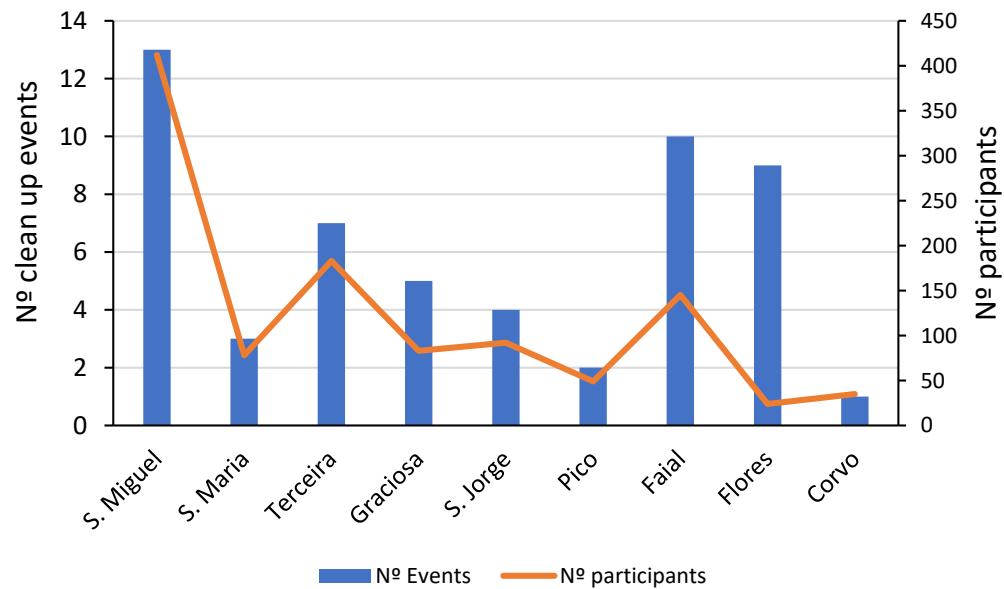
We Manage (Marine Conservation)

- **Action C10** – Restoring coastal and marine habitats
 - **Sub-action C10.1** – Minimising marine litter impact in marine coastal habitats

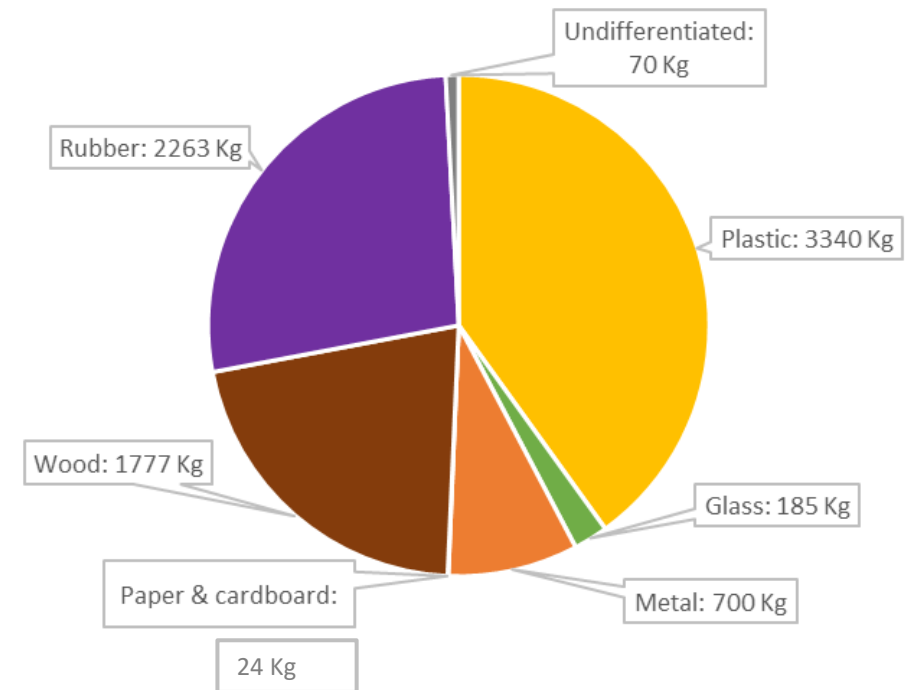
Clean-up events and volunteers

54 clean-ups (53 coastal and 1 underwater)

1 101 volunteers



Marine litter collected: 8 338 kg



We Manage (Marine Conservation)

- **Action C10** – Restoring coastal and marine *habitats*
- **Sub-action C10.2** – Management of coastal *habitat* 1170 (coastal reefs)
 - The mapping procedures implemented in the three areas listed in the initial proposal were adapted for their integration in the regular underwater visual censuses that are being carried out by the complementary project MONICO.

We Manage (Marine Conservation)

- **Action D5** – Monitoring of concrete results on *habitats*, species and conservation problems
- **Sub-action D5.2** – Monitoring of marine *habitats*, species and conservation problems

Number of breeding tern pairs in the RAA in 2022

Island	Common tern	Roseate tern	Sooty tern
Corvo	35	0	
Flores	308	47	
Faial	191	1	
Pico	191	10	
São Jorge	245	0	
Terceira	345	38	
Graciosa	245	235	2
São Miguel	363	1	
Santa Maria	569	39	
Total	2 492	371	2

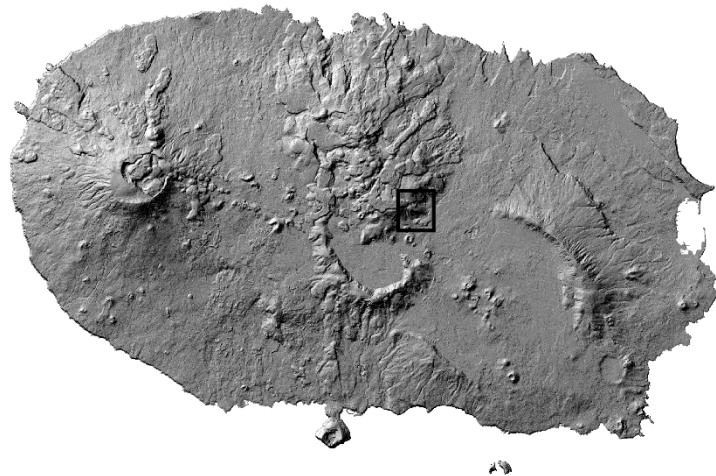
We Manage (Terrestrial Conservation)

Actions:

- **C1.2**
- **C1.3**
- **C3.2**
- **C4.1**
- **C4.2**
- **C4.3**
- **C5**
- **C8.1**
- **C8.2**
- **C11**
- **D1**
- **D5.1**

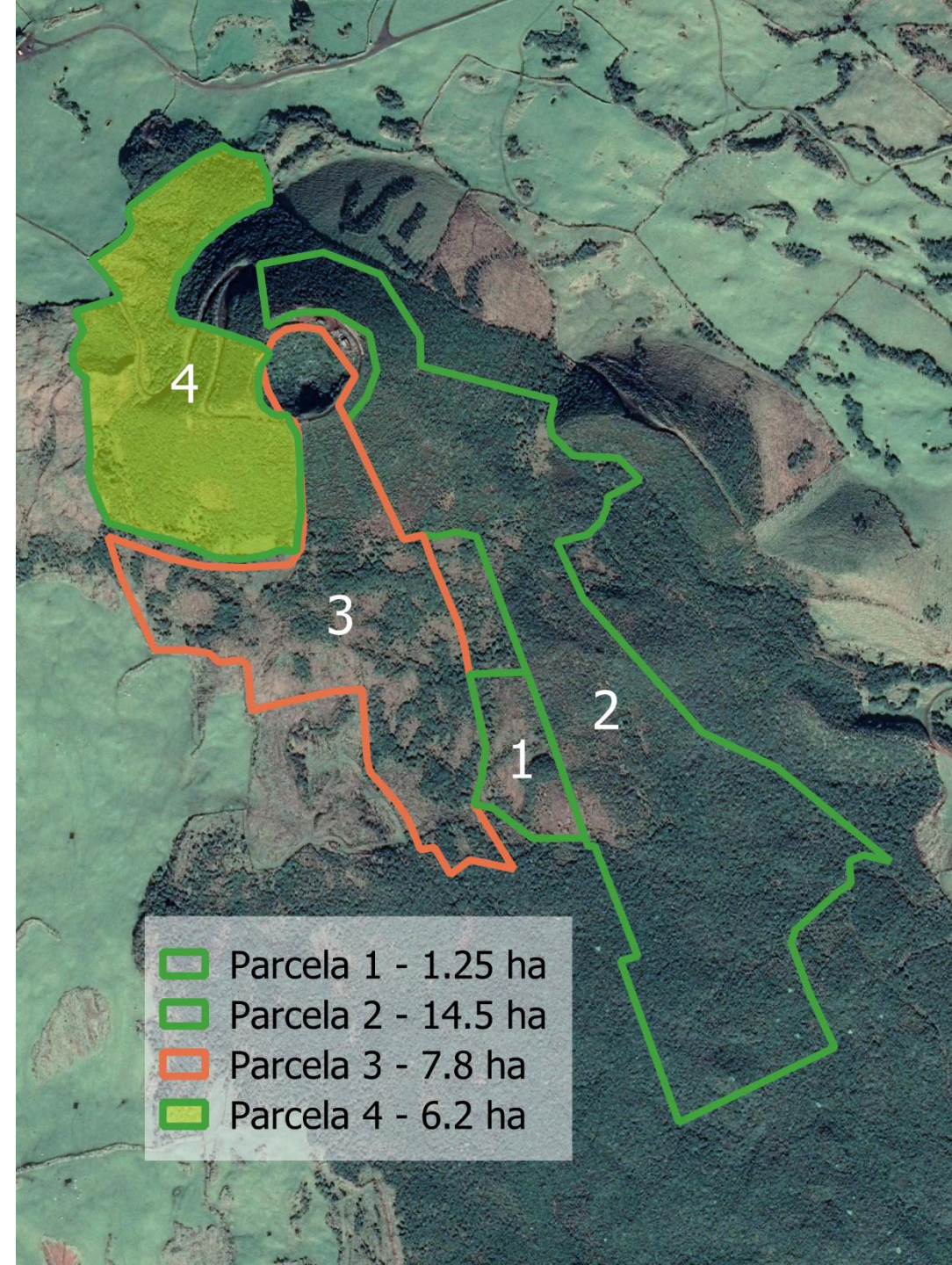
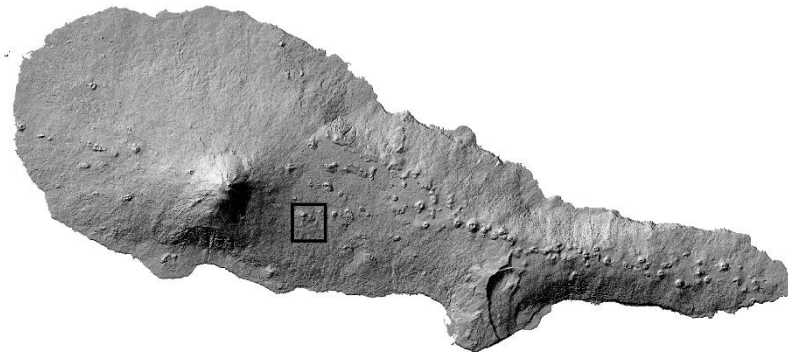
We Manage (terrestrial conservation)

- **Action C1** – Purchase of privately-owned land for the subsequent restoration of natural *habitats* and protected species
- **Sub-action C1.2** – ZEC Santa Bárbara and Pico Alto (Terceira Island)
 - Operational Plan has been elaborated;
 - *Habitat* restoration works have commenced with the collection of seeds this season.



We Manage (terrestrial conservation)

- **Action C1** – Purchase of privately-owned land for the subsequent restoration of natural habitats and protected species
- **Sub-action C1.3** – Pico da Urze, Prainha and Caveiro (Pico Island)
 - Negotiations with the owner of the remaining plot (Parcela 3) in Pico da Urze have been resumed;
 - The initiation of the acquisition process of a further adjacent plot (Parcela 4) is conditioned by the project's Phase Amendment Request.



We Manage (terrestrial conservation)

- **Action C3** – Implementation of pilot works for the conservation of endemic flora
- **Sub-action C3.2** – *In-situ* conservation

In 2022, the following reinforcements took place:

- 45 *Ammi seubertianum*;
- 207 *Angelica lignescens*;
- 220 *Chaerophyllum azoricum*;
- 35 *Euphorbia stygiana* subsp. *santamariae*;
- 103 *Lactuca watsoniana*;
- 39 *Spergularia azorica*.



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
 - **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation

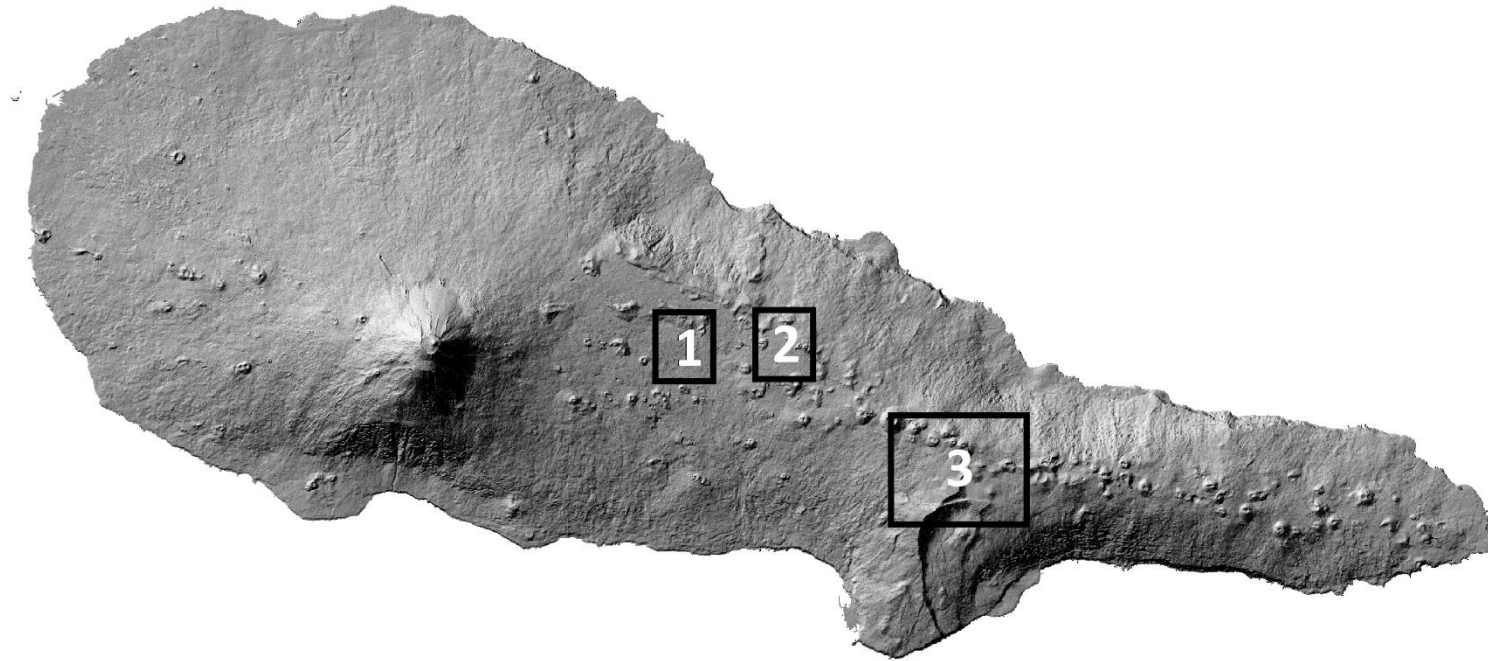
Fence construction in 2022:

Faial: Mending of old fence necessary;

Pico: **Bosque da Junqueira (1)** (purchased within the frame of action C1.3) completed in May 2022 (**1.1 km**);

Mistério da Prainha (2): wall and fence construction completed in August 2022 (**1.4 km**); further pasture identified from which cattle manage to escape;

Caveiro (3): Signs installed to inform about fence installation.



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
- **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation

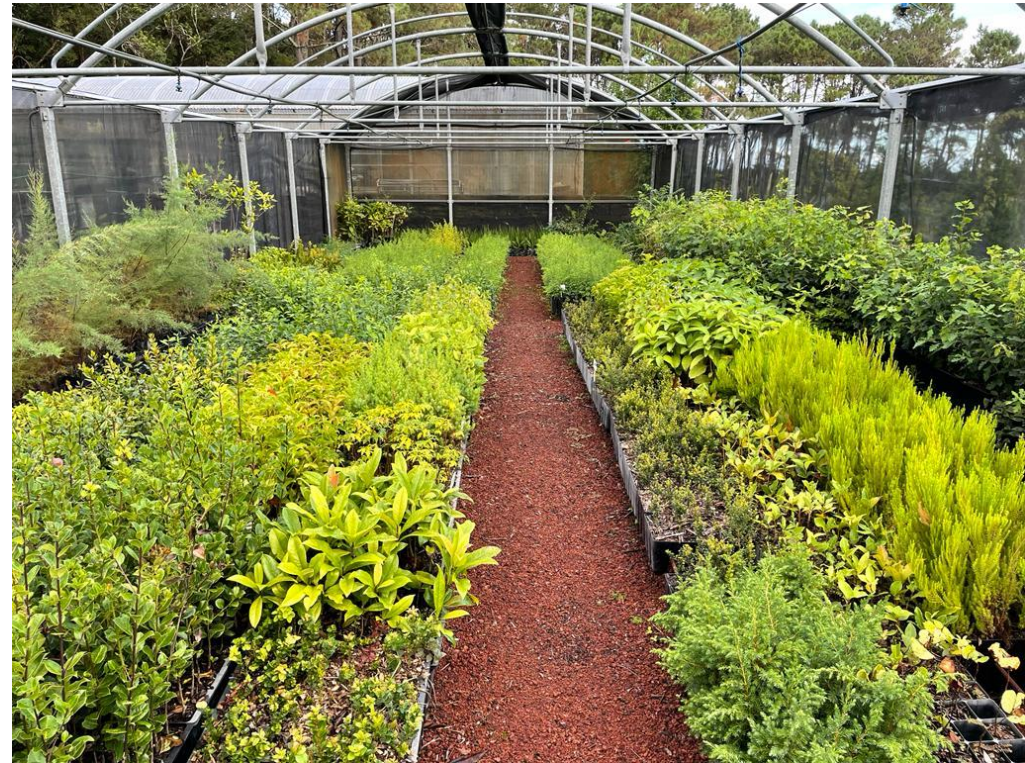


We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial habitat conservation
- Sub-action C4.1 – Best practice for terrestrial habitat conservation

Seed collection of woody species for propagation at Forestry Services continues:

> 55 kg of 9 species



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
- **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation

Production of woody species at Forestry Services:

- 10 000 *Erica azorica*
- 378 *Juniperus brevifolia*
- 4 295 *Vaccinium cylindraceum*



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
 - **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation
 - Planting of **8 882 individuals** of **20 species** in a total area of **45 426 m²**;
 - Further **3 330 individuals** of **9 species** ready for next planting season;
 - Planting of relevant herbaceous species: 95 *Festuca petraea*, 3 *Hedera azorica*.



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
 - **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation
 - *Cryptomeria japonica* control works in Turfeira da Lomba concluded (926 trees in 2022);
 - Removal of *Eucalyptus* sp. and *Acacia melanoxylon* from an **area of 27 ha**;
 - Transplantation of **100 *Frangula azorica*** in Pico Alto and Tamujal 3;
 - Planting of **320 *Prunus azorica*** and **80 *Ilex azorica*** in Lagoa do Negro;
 - Cutting of *Cryptomeria* initiated in Quinta da Madalena.

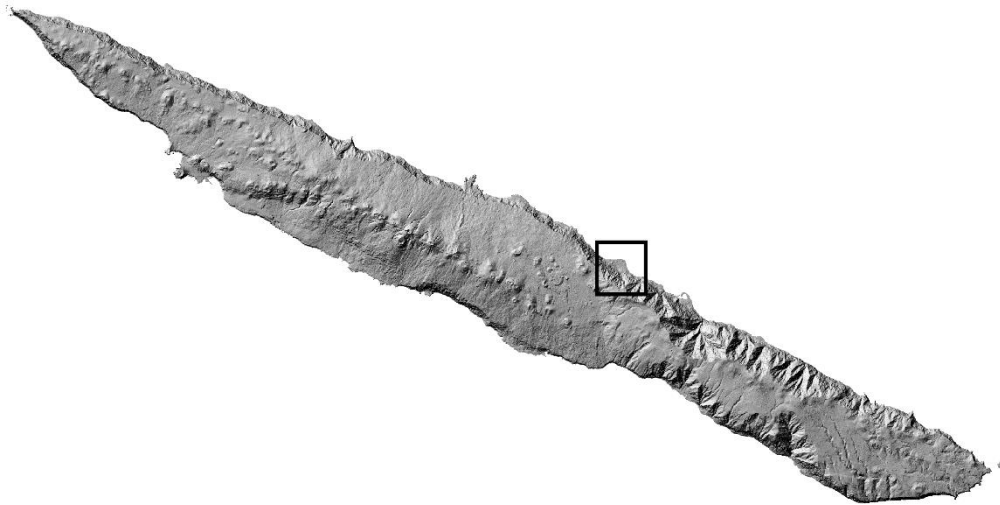


We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
- **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation

Opening of channels in the walkways crossing the Cubres Lagoon (São Jorge):

- 3 of 4 channels opened



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
 - **Sub-action C4.1** – Best practice for terrestrial *habitat* conservation
 - Fencing material sent to Graciosa in mid-August in order to fence two nuclei of a population of *Ammi trifoliatum*, which are threatened by grazing cattle;
 - Fencing of a newly discovered population of *Ammi trifoliatum* on São Miguel Island, to prevent danification by a social event planned in the area.



We Manage (terrestrial conservation)

- **Action C4** – Implementation of integrated best practice and demonstration works for terrestrial *habitat* conservation
 - **Sub-action C4.3** – Best practice for terrestrial *habitat* conservation
 - Felling and waste management of *Acacia melanoxylon* completed in Mata dos Bispos intervention area (**3.1 ha**);
 - Removal of plant debris on a length of **460 m of stream bed**;
 - Planting of **30 872 native trees and shrubs** between January and April (total of **59 609 plants** so far);
 - Installation of natural engineering structures over a total length of **210 m of water line**;
 - External capacity building event about natural engineering in May (**17 participants** of other LIFE projects and the Forestry Services).



We Manage (Terrestrial Conservation)

- **Action C5** – Implementation of integrated conservation works of priority *habitats* 9560, 9360 and 4050 for priority bird *Pyrrhula murina*
 - Construction of greenhouses completed;
 - Installation of automated irrigation system and removable cover (to allow for acclimatisation of at least **5 000 plants** at any one time);
 - Preparation of **Phytosanitary Improvement Plan**;
 - **41 923 plants** of **11 tree and shrub species** and **12 herbaceous species** available for next planting season;
 - **10 trainees** have contributed to the work at the nursery since the beginning of the year.



We Manage (Terrestrial Conservation)

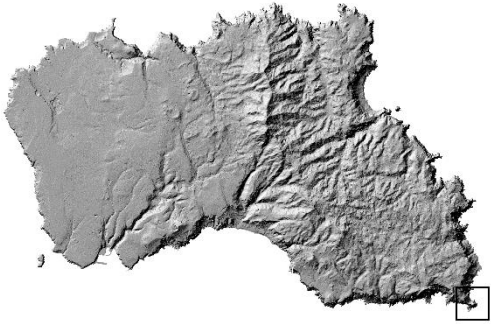
- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*

33 different IAS removed from a total of **124.7 ha** since the beginning of the year between all beneficiaries



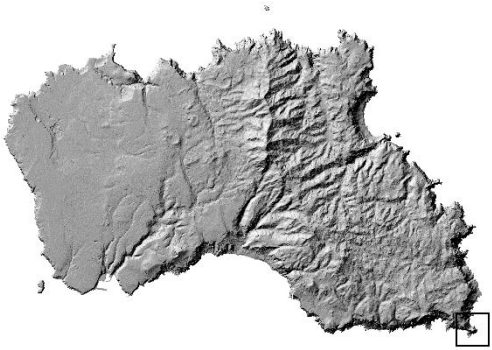
We Manage (Terrestrial Conservation)

- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*



We Manage (Terrestrial Conservation)

- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*

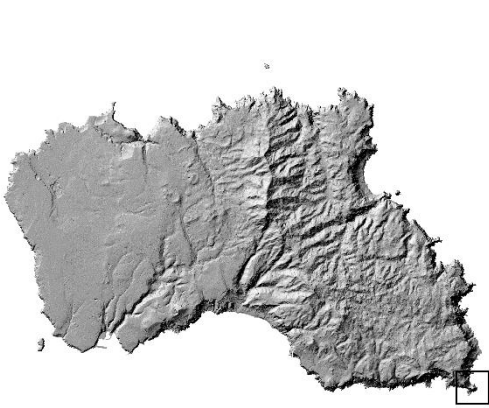


After pilot intervention of internal capacity-building (2019)

Ponta do Castelo, Santa Maria

We Manage (Terrestrial Conservation)

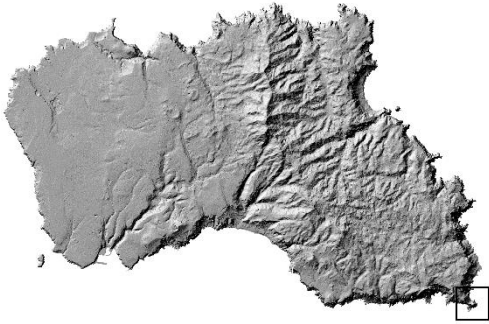
- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*



Recovery of intervened area (2020)

We Manage (Terrestrial Conservation)

- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*



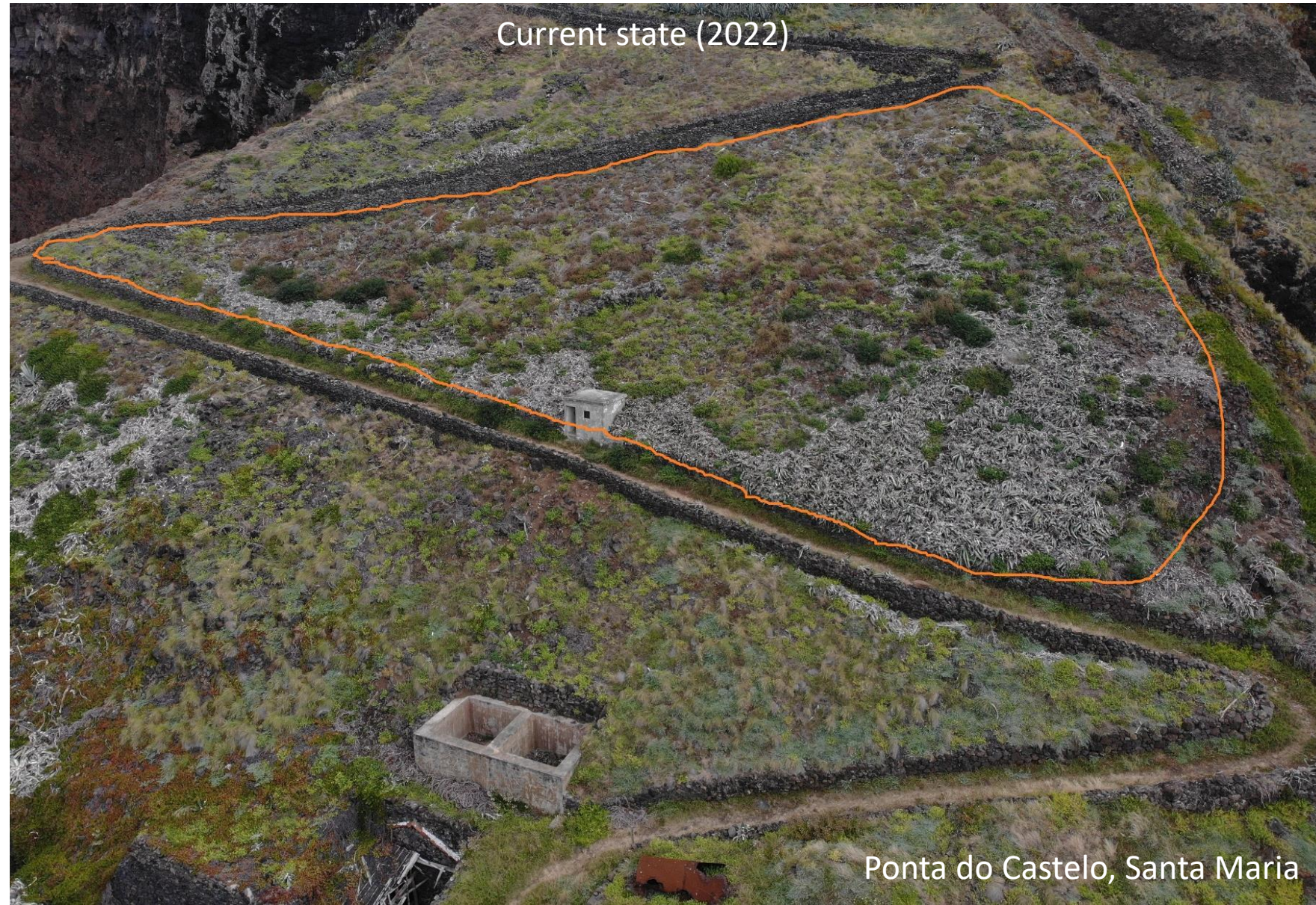
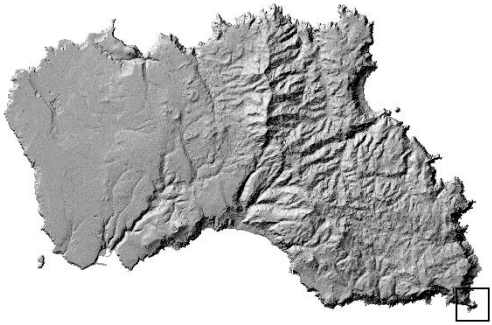
First intervention by operational team (2020)



Ponta do Castelo, Santa Maria

We Manage (Terrestrial Conservation)

- **Sub-action C8.1** – Control and eradication of IAS plant species in terrestrial restored *habitats*



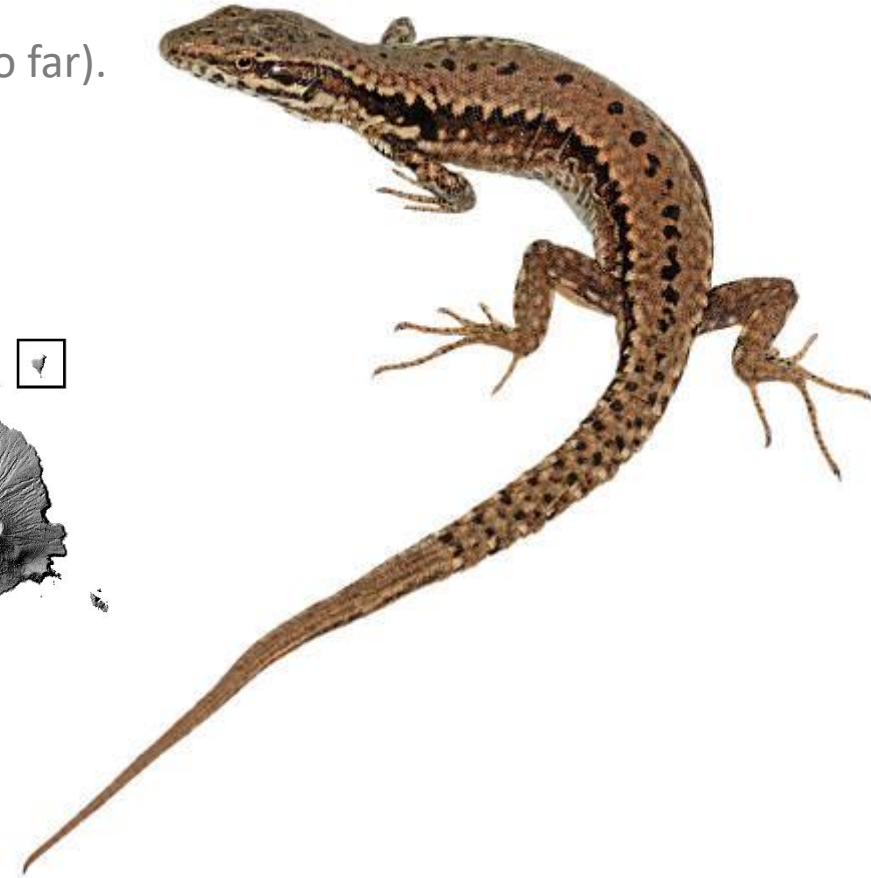
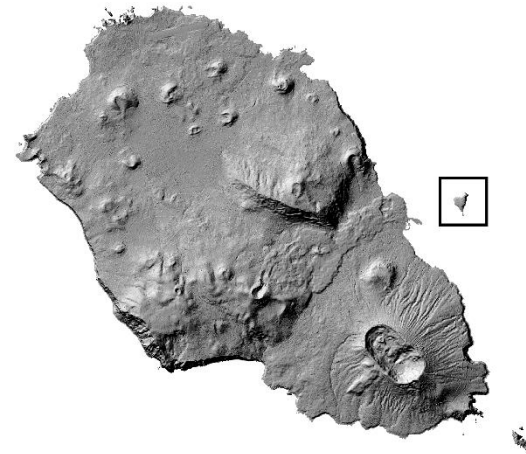
We Manage (terrestrial conservation)

- **Sub-action C8.2** – Control and eradication of IAS animal species in terrestrial restored habitats
 - Installation of **25 snap-traps** and **7 rodent motels** on islets;
 - Rodent control in SPEA's intervention areas (*unforeseen*): **86 rodents captured** to date using **7 Goodnature traps**;
 - Protection of plantings using individual plant protectors.



We Manage (terrestrial conservation)

- **Sub-action C8.2** – Control and eradication of IAS animal species in terrestrial restored habitats
 - Installation of lizard exclusion zones on Praia Islet, Graciosa Island;
 - Continued analysis of recorded nest videos (no specific predation event so far).



We Manage (terrestrial conservation)

- **Action C11** – Design, essay and evaluation of pilot island prevention, early warning and rapid response operational frameworks for IAS (Corvo Island)
 - **Contract signed** with Desafio das Letras Unipessoal Lda. in April 2022 for acquisition of specialised services from a multidisciplinary team to support the design of a Pilot Action Program for the Prevention of Introduction, Early Detection and Rapid Control of IAS on Corvo Island;
 - **Initial report delivered** compiling information on IAS on Corvo Island (list of bibliography regarding methodologies and solutions aimed at prevention of introduction, early detection and rapid control of IAS in island contexts);
 - **Alert** received regarding expansion of IAS *Plecostachys serpyllifolia* on Corvo Island, as direct result of awareness-raising session;
 - Conclusion of **card game “Dobble Invasoras”**, to be distributed to 150 schools throughout the region and facilitate awareness-raising in primary schools (2 versions – La Palma and Corvo).



We Manage (terrestrial conservation)

- **Action C11** – Design, essay and evaluation of pilot island prevention, early warning and rapid response operational frameworks for IAS (La Palma Island)

- **1 590 reports** of **186 species** registered in the REDEXOS platform, of which **258 (17.4%)** have been removed
- **97 extractions** totalling **76 831 individual specimens**:

Number of individuals removed per species in La Palma in 2022

Species	No. of individuals
<i>Senecio viscosus</i>	69 074
<i>Echium decasnei</i>	2 895
<i>Centranthus ruber</i>	1 901
<i>Eschscholzia californica</i>	1 712
<i>Aeonium haworthii</i>	452
<i>Echium simplex</i>	135
<i>Cortaderia selloana</i>	30
<i>Hedychium gardnerianum</i>	11
<i>Lantana camara</i>	4
<i>Hydrangea macrophylla</i>	2



We Manage (terrestrial conservation)

- **Action C11** – Design, essay and evaluation of pilot island prevention, early warning and rapid response operational frameworks for IAS (La Palma Island)

- **7 meetings** with airports, ports, and city councils since the beginning of the year;
- Continuation of educational programme for secondary schools and gardening trainees, reaching nearly **1 000 students**



ACTUALIDAD



EL AEROPUERTO DE LA PALMA CONTRA LA INTRODUCCIÓN DE FLORA INVASORA

La reunión se enmarca en la colaboración que mantiene el aeropuerto con la Fundación Canaria Reserva de la Biosfera, dentro del proyecto europeo LIFE IP Azores Natura, que lidera el gobierno del archipiélago portugués.

El Aeropuerto de La Palma y la Fundación Canaria Reserva Mundial de la Biosfera La Palma han celebrado un encuentro para abordar medidas que prevengan la introducción de especies de flora exótica invasora en la isla.

Además de participar en diferentes reuniones técnicas, Aena en La Palma va a ejecutar diversas acciones, como una campaña de publicidad y cartelería en llegadas del aeropuerto, para informar sobre las especies vegetales prohibidas que no deben introducirse en la isla, así como una campaña de sensibilización orientada al personal de Aena, para transmitir que la detección temprana de especies invasoras

puede realizarse en el ámbito cotidiano.

También se emprenderá una acción formativa entre quienes desempeñan funciones en el lado aire del aeropuerto sobre las principales especies invasoras, ya que el aeropuerto es la entrada de miles de personas, por lo que resulta posible que la propagación de una especie vegetal invasora se produzca desde sus instalaciones hacia el exterior. Además, se proporcionará formación específica para personal de la central de carga y mercancías. La Reserva de la Biosfera, por su parte, ya ha formado a la Guardia Civil de Fronteras en estas tareas de control.

We Manage (terrestrial conservation)

- **Action C11** – Design, essay and evaluation of pilot island prevention, early warning and rapid response operational frameworks for IAS (La Palma Island)
 - Launching of “Ataja Tus Matos” (Control your Plants) campaign;
 - Online survey with **300 participants** from **14 municipalities** to identify knowledge gaps with respect to IAS.



Más información: atajatusmatos.lapalmbiosfera.es

50 plantas prohibidas o desaconsejadas para los jardines de La Palma

La legislación sobre plantas invasoras, muy justificable para evitar sus indeseables efectos ambientales, sociales y económicos, es sin embargo reciente, amplia, desconocida y puede resultar confusa (algunas están prohibidas en Canarias y no en el resto de España o viceversa).

Para ayudar a cumplirla hemos reunido aquí algunas de las especies ornamentales que entre todos y todas deberíamos contribuir a eliminar de los jardines de La Palma. También incluimos otras que están solo desaconsejadas para que tengan un probado carácter invasor y a las que es probable que la legislación les afecte en el futuro.

Créditos Fotos

Por orden alfabético: 1) R. de La Rocha, 2) Manuel M. V., 3) Kaidari, 4) L. Concepción, 5) K. Zamek, 6) F. Vincentz, 7) R. de La Rocha, 8) Manuel M. V., 9) Kaidari, 10) L. Concepción, 11) K. Zamek, 12) F. Vincentz, 13) R. de La Rocha, 14) Manuel M. V., 15) Kaidari, 16) L. Concepción, 17) K. Zamek, 18) F. Vincentz, 19) R. de La Rocha, 20) Manuel M. V., 21) Kaidari, 22) L. Concepción, 23) K. Zamek, 24) F. Vincentz, 25) R. de La Rocha, 26) Manuel M. V., 27) Kaidari, 28) L. Concepción, 29) K. Zamek, 30) F. Vincentz, 31) R. de La Rocha, 32) Manuel M. V., 33) Kaidari, 34) L. Concepción, 35) K. Zamek, 36) F. Vincentz, 37) R. de La Rocha, 38) Manuel M. V., 39) Kaidari, 40) L. Concepción, 41) K. Zamek, 42) F. Vincentz, 43) R. de La Rocha, 44) Manuel M. V., 45) Kaidari, 46) L. Concepción, 47) K. Zamek, 48) F. Vincentz, 49) R. de La Rocha, 50) Manuel M. V.

Agradecimientos: Miguel Antonio Padín Hernández, Javier del Corral.

Gracias a:   

Más información y consejos en nuestra página web



We Manage (terrestrial conservation)

- **Action C11** – Design, essay and evaluation of pilot island prevention, early warning and rapid response operational frameworks for IAS ([La Palma Island](#))
 - Development of a **video clip** about the proliferation and introduction of the IAS *Echium simplex*
 - La Palma version of **Dobble Invasoras** (exp. early October with complementary funds)



We Manage (terrestrial conservation)

- **Action D5** – Monitoring of concrete results on *habitats, species and conservation problems*
- **Sub-action D5.1** – Monitoring of terrestrial *habitats, species and conservation problems*
 - Recording of flora using the application Qfield continues

20:53

Adicionar elemento no Registos flora_São Jorge

Informação da espécie Informação geral Fotografia

Espécie
Dracaena draco draco

Grau de certeza na identificação da espécie
Elevado

Abundância da espécie
>20 indivíduos

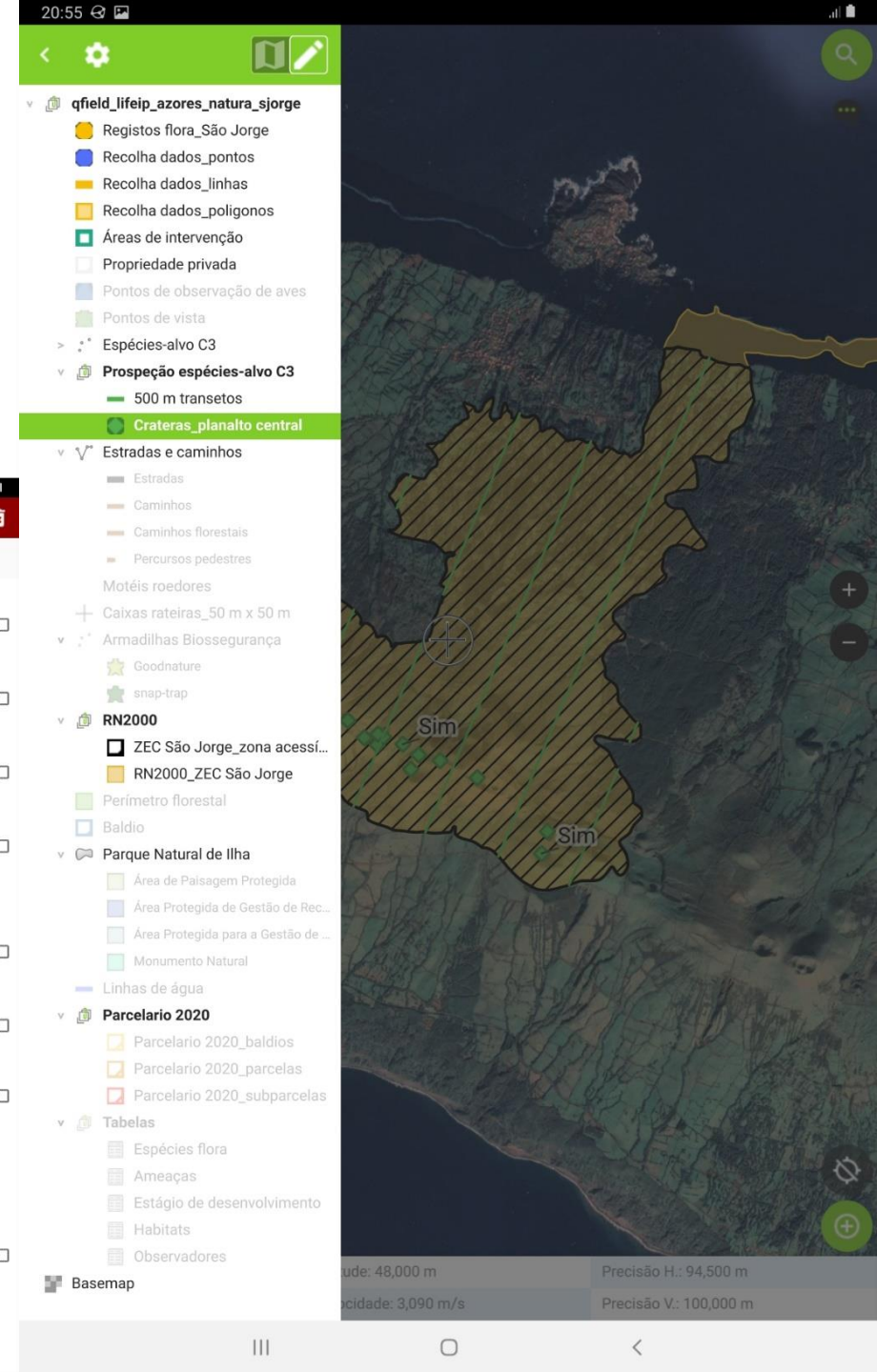
Estágio de desenvolvimento
☐ Plântula
☒ Planta jovem
☒ Planta adulta

Estado fenológico (dominante)
Com frutos

Foram recolhidas sementes?
☐

Ameaças
☐ Outro
☒ Pastoreio
☒ Pisoteio
☒ Proliferação de flora invasora

Habitat circundante
☒ Habitat natural
☐ Outro
☐ Urbano
☒ Área agrícola
☐ Área florestal



We Manage (terrestrial conservation)

- **Action D5** – Monitoring of concrete results on *habitats, species and conservation problems*
 - **Sub-action D5.1** – Monitoring of terrestrial *habitats, species and conservation problems*
 - Annual **tern survey** carried out on all islands;
 - Annual monitoring of **priolo** *Pyrrhula murina* with the support of **50 volunteers**;
 - Vegetation monitoring to measure effectiveness of IAS control, evolution of the floristic community in restored areas and plantation success;
 - Monitoring of water lines in Mata dos Bispos;
 - Continuation of monitoring of seabird breeding success and survival (**28 monitoring visits** this year so far).



**We Integrate (Tourism,
Agriculture, Fisheries)**

Actions:

- **C13.1**
- **C13.2**
- **C14.1**
- **C14.2**
- **C14.3**
- **C15.1**
- **C15.2**
- **C15.3**
- **C16**

We Integrate (tourism, agriculture, fisheries)

- **Action C13** – N2000 policies integration with agriculture
 - **Sub-action C13.1** – EARDF funds advisory for farmers
 - Increase of contacts through Support Desk due to circulation of calls via email: **41 contacts** in 2022 so far;
 - **3** of those (**7%**) from Young Farmers' Associations seeking funding.



We Integrate (tourism, agriculture, fisheries)

- **Action C13** – N2000 policies integration with agriculture
- **Sub-action C13.2** – Minimising agriculture negative impacts in N2000
 - Successful information session with **23 farmers** and representatives of the **Agricultural Association** and **Forestry Service** on Pico Island in May 2022.



We Integrate (tourism, agriculture, fisheries)

- **Action C14** – N2000 policies integration with tourism
- **Sub-action C14.1** – Integrated assessment and mitigation of tourism negative impacts of N2000 Azores Nature Trails
 - Data from the **6 laser counters** continues to be sent in real time to platform – 1 laser counter in process of being substituted due to vandalism;
 - **Code of Conduct updated** and published in January 2022 on Nature Park and Tourism websites;
 - Quotes requested for construction of wooden walkways.

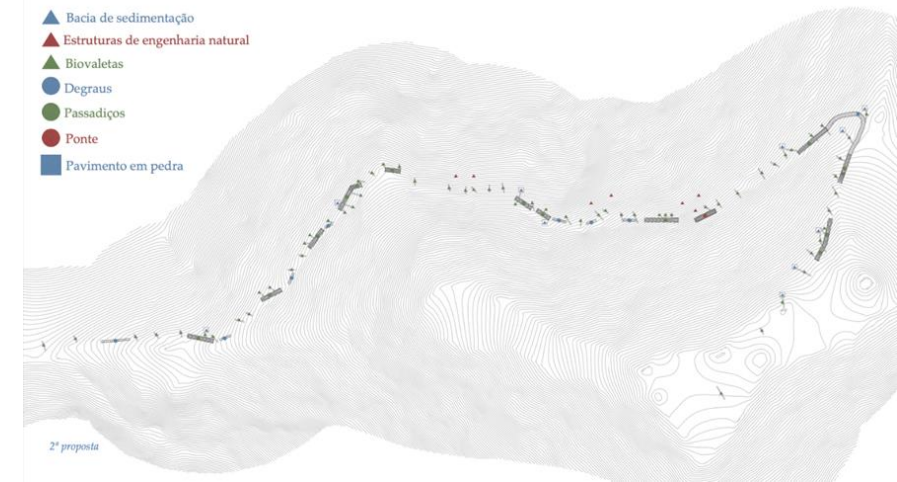
LIFE IP AZORES NATURA

Ambicounter #1 - Pico (001)	
Last Received Record (UTC) :	2022-05-08 23:00:00
Check in :	25
Check out :	83
Bateria [mV] :	11.750
Ambicounter #3 - Flores (003)	
Last Received Record (UTC) :	2022-03-03 23:01:00
Check in :	0
Check out :	0
Bateria [mV] :	12.870
Ambicounter #5 - Corvo (005)	
Last Received Record (UTC) :	2022-05-08 23:02:00
Check in :	10
Check out :	19
Bateria [mV] :	13.900
Ambicounter #2 - Faial (002)	
Last Received Record (UTC) :	2022-05-08 23:01:00
Check in :	40
Check out :	80
Bateria [mV] :	12.950
Ambicounter #4 - Sta Maria (004)	
Last Received Record (UTC) :	2022-05-08 23:01:00
Check in :	1
Check out :	0
Bateria [mV] :	12.950
Ambicounter #7 - Terceira (007)	
Last Received Record (UTC) :	2022-05-07 23:03:00
Check in :	69
Check out :	150
Bateria [mV] :	12.200



We Integrate (tourism, agriculture, fisheries)

- **Action C14** – N2000 policies integration with tourism
 - **Sub-action C14.2** – Minimising touristic impact of Pico da Vara trail
 - Presentation of “Measures to improve the accessibility of the Pico da Vara trail” project;
 - Survey of the current state of the trail PRC07 SMI and begin of interventions;
 - Construction of work yard to support preparation of wooden walkways.



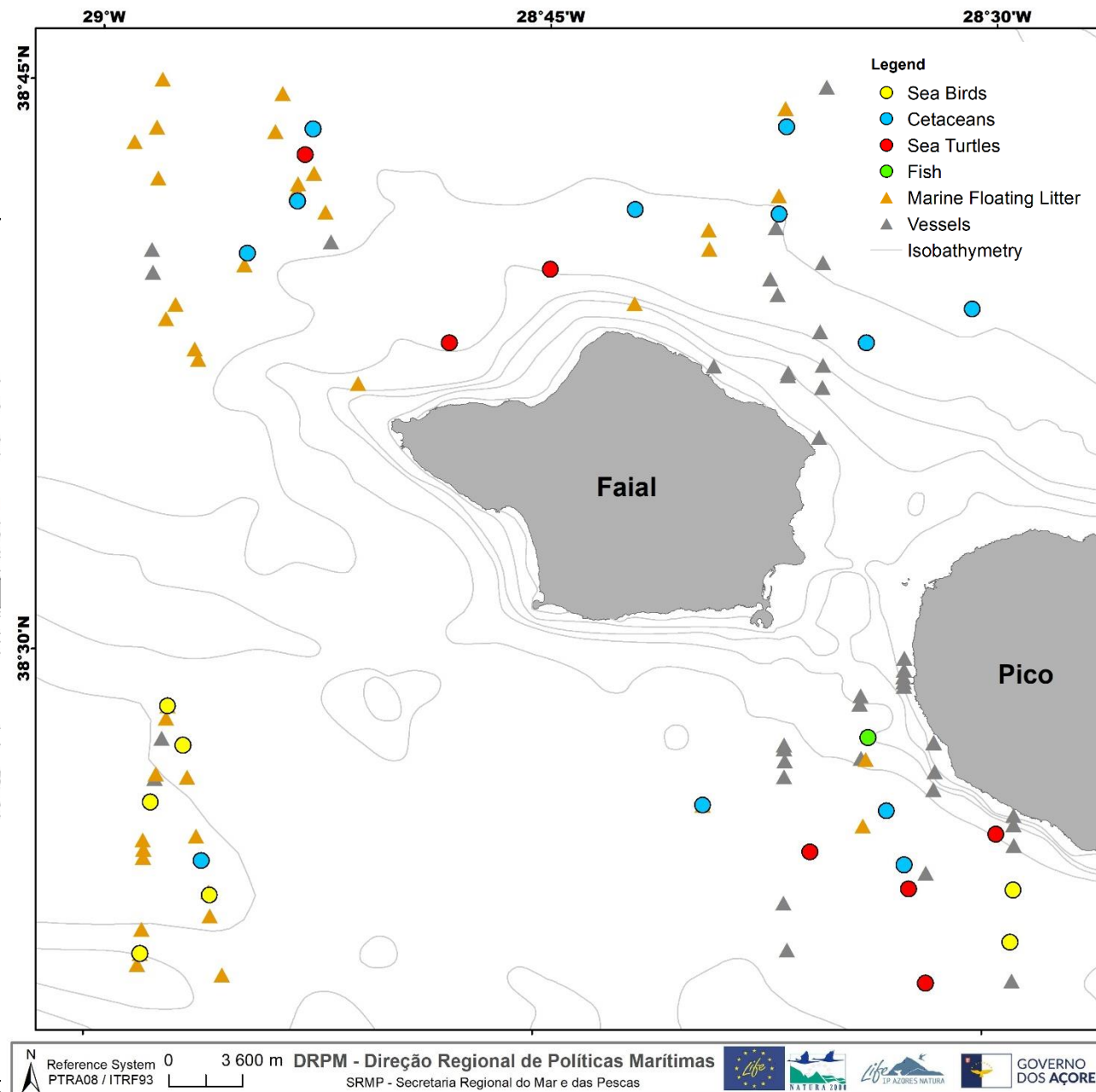
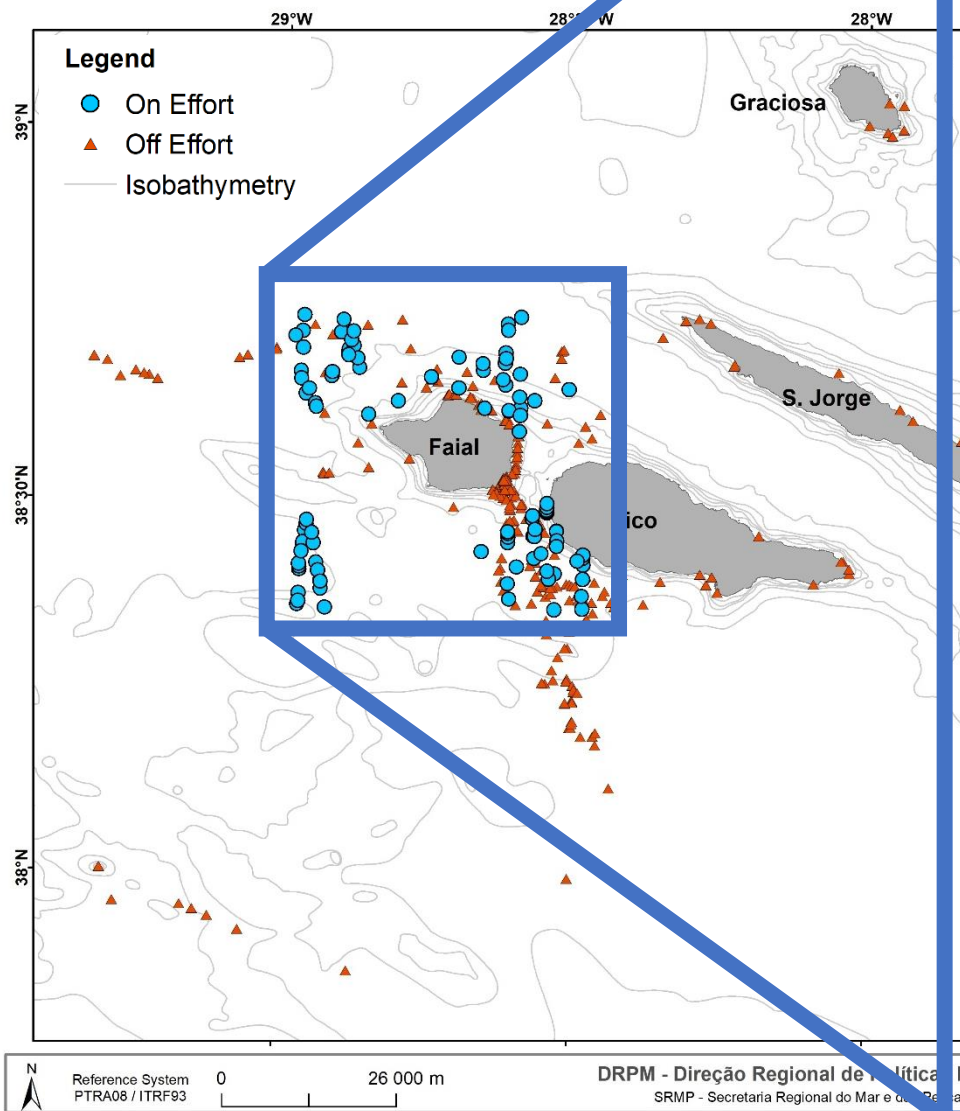
We Integrate (Tourism, Agriculture, Fisheries)

- **Action C14** – N2000 policies integration with tourism
 - **Sub-action C14.3** – Minimising whale watching and diving activities negative impacts in N2000
 - **44 trips** with project vessel (until August 5th);
 - **2 144 nautical miles** covered in more than **248 working hours**;
 - Data collected on different types of vessels, marine floating litter and sightings of target species.



We Integrate

- Action C14
 - Sub-action C14.3



We Integrate (Tourism, Agriculture, Fisheries)

- **Action C15** – N2000 policies integration with fisheries
 - **Sub-action C15.2** – Regulation on Lobster exploitation (Sub-action undertaken by complementary funds – MoniCo)



Task 1 – Biology, ecology and conservation of the Mediterranean slipper lobster (*Scyllarides latus*)

- Capture and **acoustic tagging of 40 specimens** in the Monte da Guia natural reserve (PTFAI0005) that will be monitored until the summer of 2023



We Integrate (Tourism, Agriculture, Fisheries)



- **Action C15** – N2000 policies integration with fisheries
- **Sub-action C15.2** – Regulation on Lobster exploitation (Sub-action undertaken by complementary funds – MoniCo)

Task 2 – Involvement of fishermen in Mediterranean slipper lobster conservation

4 surveys were carried out in collaboration with the Regional Directorate of Fisheries (DRP)

Crustacean traders

REGIÃO AUTÓNOMA DOS AÇORES
Secretaria Regional do Mar e das Pescas
Direção Regional dos Assuntos do Mar



Ajude-nos a conhecer a biologia e ecologia das espécies comerciais marinhas dos Açores

Inquérito aos comerciantes de crustáceos nos Açores

O presente questionário enquadra-se num estudo que visa promover o conhecimento do cavaco (*Scyllarides latus*), no âmbito do Projeto LIFE IP NATURA (LIFE 17 IPE/PT/000010).

Para assegurar a qualidade do estudo, agradecemos o preenchimento cuidadoso do questionário, que requer cerca de 10 minutos, solicitando-lhe que seja o mais sincero possível e lembrando que não existem respostas certas ou erradas. Apenas estamos interessados em conhecer as suas opiniões e perspetivas sobre o tema. As informações obtidas serão usadas unicamente para fins do estudo, sendo as respostas confidenciais e anónimas.

Agradecemos a sua disponibilidade.

Commercial fishermen

REGIÃO AUTÓNOMA DOS AÇORES
Secretaria Regional do Mar e das Pescas
Direção Regional dos Assuntos do Mar



Ajude-nos a conhecer a biologia e ecologia das espécies comerciais marinhas dos Açores

Inquérito aos pescadores comerciais de crustáceos nos Açores

O presente questionário enquadra-se num estudo que visa promover o conhecimento sobre o cavaco (*Scyllarides latus*), no âmbito do Projeto LIFE IP NATURA (LIFE 17 IPE/PT/000010).

Para assegurar a qualidade do estudo, agradecemos o preenchimento cuidadoso do questionário, que requer cerca de 10 minutos, solicitando-lhe que seja o mais sincero possível e lembrando que não existem respostas certas ou erradas. Apenas estamos interessados em conhecer as suas opiniões e perspetivas sobre o tema. As informações obtidas serão usadas unicamente para fins do estudo, sendo as respostas confidenciais e anónimas.

Agradecemos a sua disponibilidade.

Recreational crustacean fishermen

REGIÃO AUTÓNOMA DOS AÇORES
Secretaria Regional do Mar e das Pescas
Direção Regional dos Assuntos do Mar



Ajude-nos a conhecer a biologia e ecologia das espécies comerciais marinhas da Directiva Habitats nos Açores

Inquérito a mergulhadores/apneístas e utilizadores do mar sobre a observação de cavaco (*Scyllarides latus*) nos Açores

O presente questionário enquadra-se num estudo que visa promover o conhecimento do cavaco, nomeadamente na sua biologia, ecologia e conservação, no âmbito do Projeto LIFE IP NATURA (LIFE 17 IPE/PT/000010), sub-ação C15.2 Regulação da exploração do cavaco, coordenada pela Direção Regional dos Assuntos do Mar. O cavaco encontra-se listado na lista vermelha de espécies ameaçadas da IUCN como sem dados suficientes. Com este inquérito pretende-se recolher informação que permita avaliar a necessidade de implementar ações de conservação e gestão desta espécie.

Para assegurar a qualidade do estudo, agradecemos o preenchimento cuidadoso do questionário, que requer cerca de 10 minutos, solicitando-lhe que seja o mais sincero possível e lembrando que não existem respostas certas ou erradas. Apenas estamos interessados em conhecer as suas opiniões e perspetivas sobre o tema. As informações obtidas serão usadas unicamente para fins do estudo, sendo as respostas confidenciais e anónimas.

Agradecemos a sua disponibilidade.

Divers/apneists and sea users

REGIÃO AUTÓNOMA DOS AÇORES
Secretaria Regional do Mar e das Pescas
Direção Regional dos Assuntos do Mar



Ajude-nos a conhecer a biologia e ecologia das espécies comerciais marinhas dos Açores

Inquérito aos pescadores recreativos de crustáceos nos Açores

O presente questionário enquadra-se num estudo que visa promover o conhecimento do cavaco (*Scyllarides latus*), no âmbito do Projeto LIFE IP NATURA (LIFE 17 IPE/PT/000010).

Para assegurar a qualidade do estudo, agradecemos o preenchimento cuidadoso do questionário, que requer cerca de 10 minutos, solicitando-lhe que seja o mais sincero possível e lembrando que não existem respostas certas ou erradas. Apenas estamos interessados em conhecer as suas opiniões e perspetivas sobre o tema. As informações obtidas serão usadas unicamente para fins do estudo, sendo as respostas confidenciais e anónimas.

Agradecemos a sua disponibilidade.

We Integrate (Tourism, Agriculture, Fisheries)

- **Action C15** – N2000 policies integration with fisheries
- **Sub-action C15.3** – Promoting the use of biodegradable fishing lines
 - Acquisition of biodegradable fishing line ‘Green-Sea 214’ monofilament 0.35 mm prototype from the French company Seabird;
 - Tests to be carried out by reliable fishermen before promoting fishing contests with the Naval Clubs and/or Fishing Associations;
 - Tests with 6 traps using biodegradable fishing net;
 - Collaboration with company FileKempo to develop biodegradable monofilament line for bottom longline fishing.



We Integrate (Tourism, Agriculture, Fisheries)

- **Ação C16** – N2000 policies integration with marine transport

- Protocol on AIS data sharing being elaborated with *Portos dos Açores S.A.*);
- Identify the type and number of vessels that use certain areas, such as Natura 2000;
- Definition of maritime corridors routes for different type of vessels (cargo, passengers, others);
- International open tender Lot 2 Cetaceans - starting now.



**We Disseminate,
Participate and Raise
Awareness**

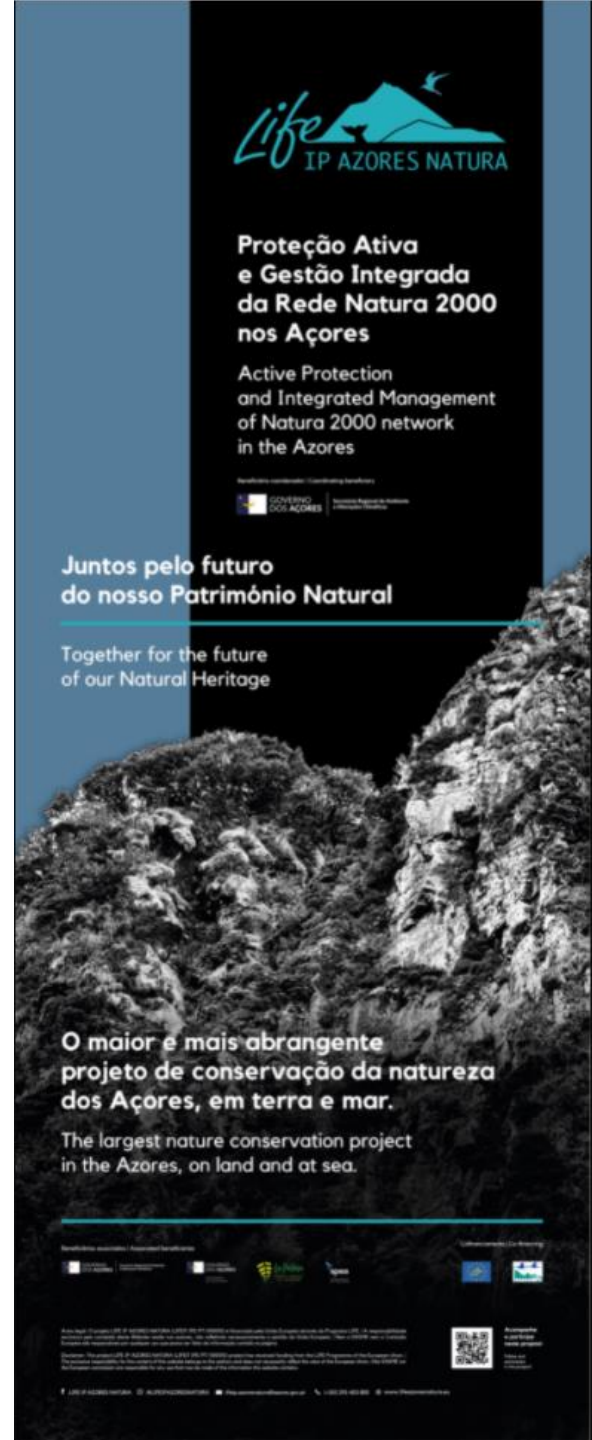
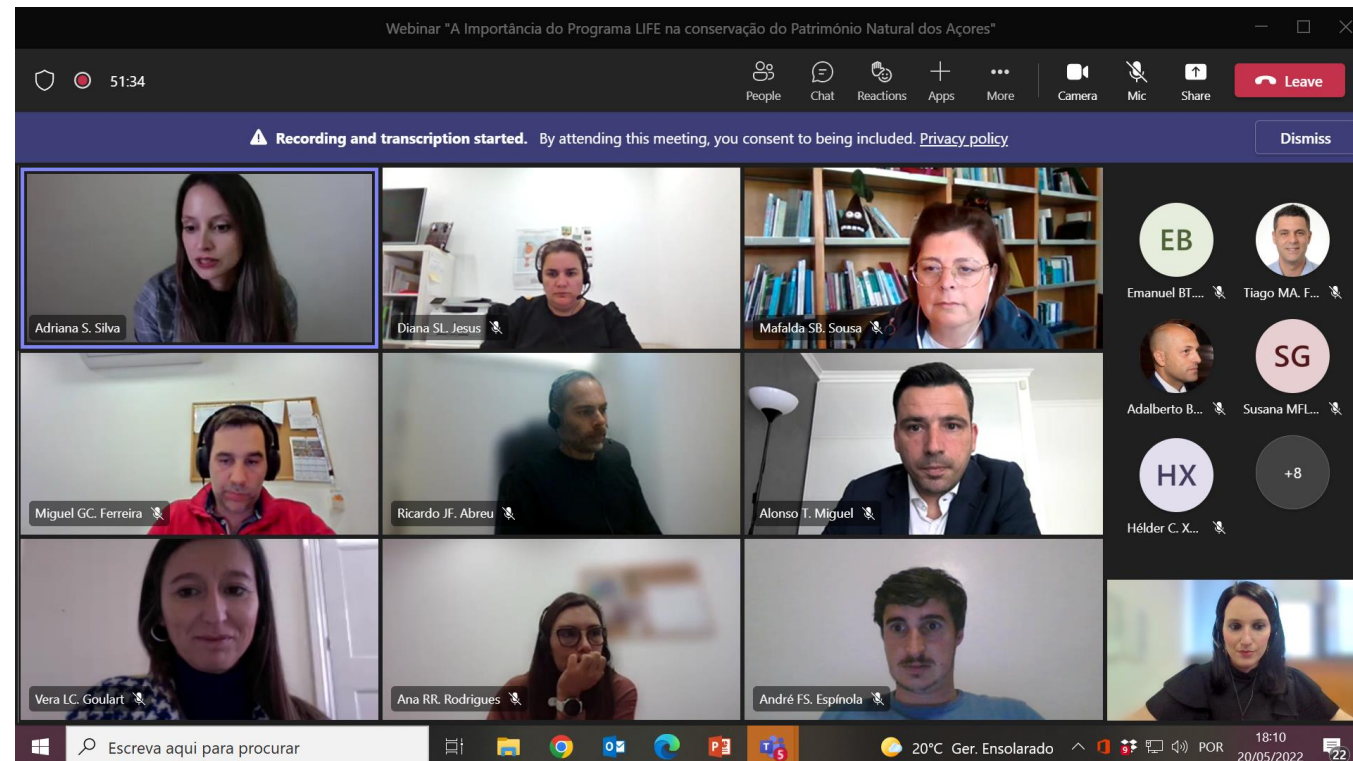
Actions:

- **E1**
- **E2**
- **E3**
- **E4**
- **E5**

We Disseminate, Participate and Raise Awareness

- **E1** – Project Communication Plan

- New updated version of the LIFE IP AZORES NATURA leaflet;
- Roll-ups delivered to the islands' Environment and Climate Change Services;
- Webinar titled “The importance of LIFE in the conservation of the natural heritage of the Azores” organised in May 2022 to mark the 30th anniversary of the LIFE Program.



We Disseminate, Participate and Raise Awareness

- **E1** – Project Communication Plan

- Video about the project screened at the “Atlantis Concert for Earth” on São Miguel Island in June 2022.



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We Disseminate, Participate and Raise Awareness

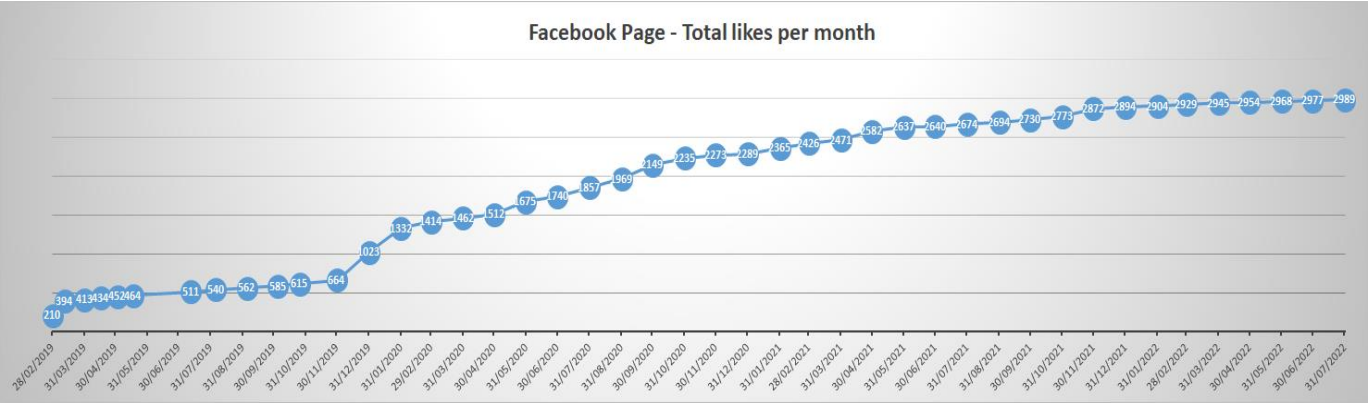
- E1 – Project Communication Plan

Website statistics:



	Total	Since last visit
Published news	208	35
Average users (daily)	15,6	16,4

Facebook statistics:

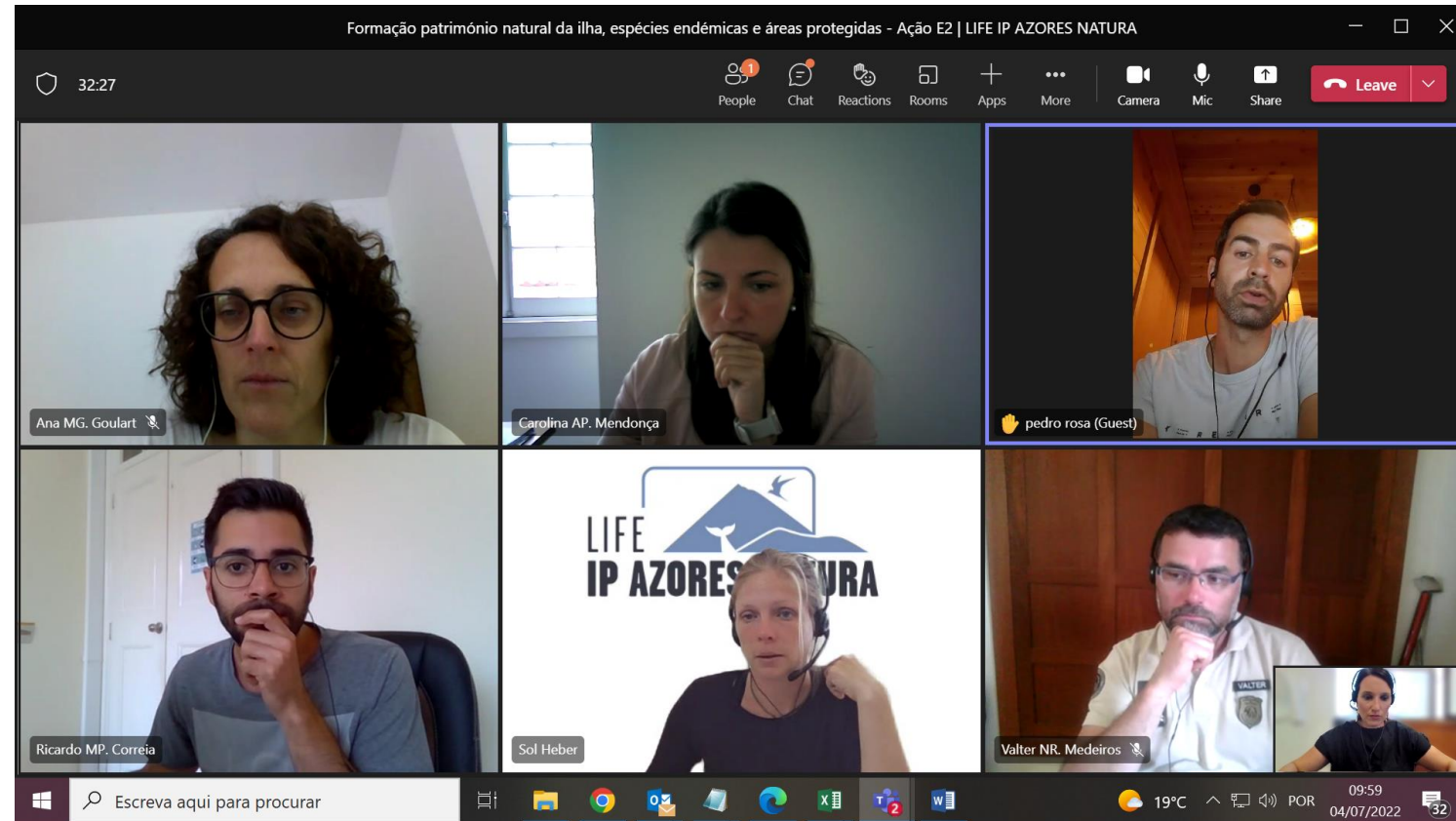


	Total	Since last visit
Likes	3000	227
Published posts	426	38
Reach (averager per post)	1405	2355

We Disseminate, Participate and Raise Awareness

- **Action E2** – Dissemination, transfer and replication of project innovative / demonstrative actions

- **Online course and hands-on training** about native flora and fauna **directed at tourist agencies** being planned for end of 2022 in collaboration with the Environment and Climate Change Service of Faial Island, the Faial Island Sustainable Tourism Association and the Azores DMO.



We Disseminate, Participate and Raise Awareness

- **Action E3** – Networking with other LIFE and/or non-LIFE Projects
 - Networking contact established with **LIFE Charcos** in January 2022: Propagation of aquatic fern species *Isoëtes azorica*;
 - Fabrication of tern decoys following information exchange with **LIFE Roseate Tern**;
 - Reactivation of **LIFE Maronesa** contact in May 2022: Monitoring *habitat* restoration with the help of drone surveys;
 - Hands-on training event about natural engineering structures for water stream restoration organised by SPEA in May 2022 with participants from **LIFE Beetles**, **LIFE Snails** and **LIFE IP Climaz**.



We Disseminate, Participate and Raise Awareness

- **Action E4** – Environmental education program of the Island Natural Parks – Parque Escola

Parque Aberto (“Open Park”) and Parque Escola (“School Park”) activities carried out within the frame of the LIFE IP Azores Natura Project, 2019-2022:

Year	Activities open to the community		Activities with schools	
	Activities	Participants	Activities	Participants
2019	0	0	74	1 671
2020	42	1 671	114	2 042
2021	37	547	105	198
2022	5	155	41	866
Total	84	2 373	334	4 777

We Disseminate, Participate and Raise Awareness

- **Action E4** – Environmental education program of the Island Natural Parks – Parque Escola

La Palma (in line with action C11):

- More than **700 people** in disseminating information regarding the problem of invasive plants;
- 17 dissemination and awareness-raising sessions in 2022 – Informative talks, field trips to identify invasive plants or IAS control actions;
- Collaboration in first edition of the 'Alien CSI BioBlitz' in May 2022, with 2 activities:
 - "On the hunt for new invasive plants on La Palma": an activity held on 14 May 2022 aimed at the Sinrabogato collective, attended by a total of **12 people**;
 - "Hunting for the intruder": an activity held on 20 May 2022 aimed at the general public, attended by **7 people**.

We Disseminate, Participate and Raise Awareness

- **Action E5** – Public engagement and volunteering program
 - Planting activity with the participation of **90 scouts** on the “Trees for the World” day was carried out in the Lagoa do Negro intervention area, Terceira Island, in March 2022: **320 *Prunus azorica*** and **80 *Ilex azorica***;
 - School visit to Praia Islet, Graciosa, in June 2022, with the aim to raise environmental awareness;
 - **Notebooks** designed and ready for printing to be used as give-aways during volunteering activities.



We Coordinate

Actions:

- **D1**
- **D2**
- **D3**
- **D4**
- **F1**
- **F2**
- **F3**
- **F4**
- **F5**

We Coordinate

- **Action D1** – Monitoring the project’s impact on LIFE IP performance indicators

Compilation of information by all beneficiaries in shared document:

- Supplier surveys;
- Number of attendees in citizen activities;
- Meetings;
- Volunteer participation;
- Social network interactions;
- Records of flora localisation.

	FIRST LEVEL DESCRIPTOR	SECOND LEVEL DESCRIPTOR	START VALUE	END VALUE	BEYOND END VALUE
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	91D0-Bog woodland	257	257	257
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	7110-Active raised bogs	591	591	591
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	6180-Macaronesian mesophile grasslands	2	2	2
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	1150-Coastal lagoons	11,1	11,1	11,1
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	3130-Oligotrophic to mesotrophic stands	83	83	83
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	9360-Macaronesian laurel forests (Laurisilva)	207	207	207
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	1320-Spartina swards (Spartinion maritimum)	4	4	4
7.3 Natural and semi-natural habitats (de acordo com lista do Annex I DH ou Código EUNIS)	Annex I Habitats Directive	2130-Fixed coastal dunes with herbaceous vegetation	2	2	2
7.3 Natural and semi-natural habitats					

We Coordinate

- **Action D2** – Monitoring the project's contribution to the implementation of the PAF
 - Complementary actions of LIFE IP Azores Natura **linked to 44 PAF measures**;
 - Identification, evaluation and quantification of **22 indicators** that contribute to the implementation of the new PAF.
- **Action D3** – Monitoring the project's socio-economic impact

Compilation of information by all beneficiaries in shared document:

- Economic activities, e.g. supplier surveys;
- Data related to jobs and salaries provided by stakeholders;
- Tourist surveys.



We Coordinate

- **Action D4** – Monitoring the project's effects on ecosystem services

- First report submitted;
- Surveys being collected to provide data (first representative surveys in post-Covid period);
- Data collection on chosen indicators and conservation status of *habitats*;
- Abstract for international conference submitted.



Section 1 – Recreational activities and nature tourism in the Azores

Questionnaire for practitioners of recreational activities and nature tourism in the Azores

This survey is part of a study aimed at evaluating the impacts of the LIFE IP AZORES NATURA Project (LIFE 17 IPE/PT/000010) on ecosystem functions and services. The aim is to know the motivations, perceptions and behaviour of visitors with regard to recreational activities and nature tourism and their connection with the actions developed under the project.

To ensure the quality of the study, we thank you for carefully completing the questionnaire, which requires a maximum of 15 minutes, asking you to be as sincere as possible and remembering that there are no right or wrong answers. We are only interested in knowing your opinions and perspectives about the topic. The information obtained will be used solely for the purposes of the study, the responses being confidential and anonymous.

We appreciate your availability.

Gender: ☒ Female ☐ Male ☐ Prefer not to say

Age range:

☒ ≤ 14 years ☐ 15 - 24 years ☐ 25 - 34 years ☐ 35 - 44 years ☐ 45 - 54 years

☒ 55 - 64 years ☐ ≥ 65 years

Nationality: _____

Place of residence:

Country of residence _____

Council of residence _____

Postal Code _____

Do you live in the Azores?

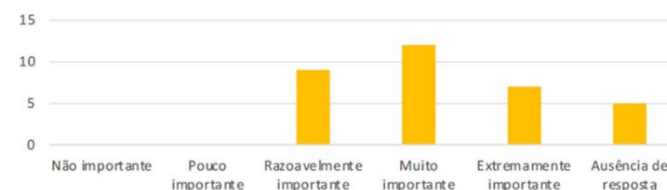
☒ Yes (if yes, go directly to section 3)

☐ No (if not, go to section 2 and then go to section 4. Do not answer to Section 3)

Relevância social da conservação das espécies-alvo do projeto



Relevância da conservação das espécies-alvo do projeto na valorização do território do ponto de vista turístico

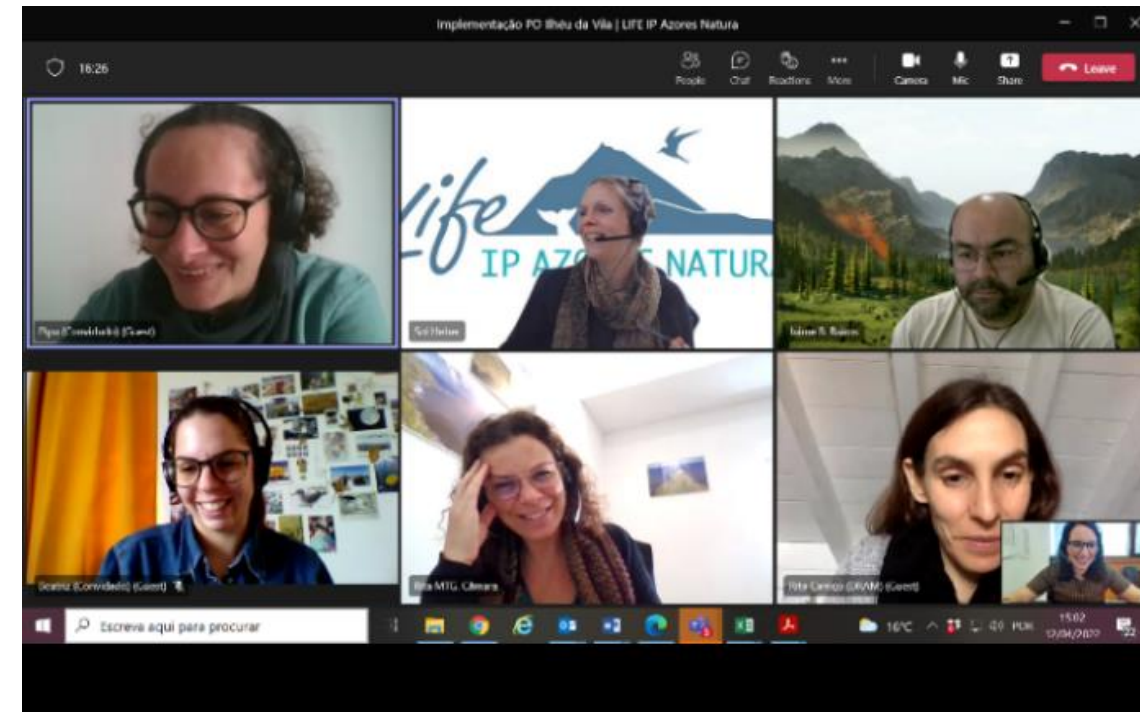


We Coordinate

• Action F1 – Overall project management

46 meetings since the beginning of 2022:

- 6 meetings of the Technical Management Team;
- 5 meetings with the specialised Ecosystem Services Team;
- 19 meetings with the Environmental Services of each of the 9 islands;
- 1 meeting with the Flora Propagation Group - BGF and Azores Seed Bank;
- 8 meetings with the terrestrial WebGIS Database Group;
- 1 networking meeting with LIFE Charcos;
- 4 meetings of the Communication Group;
- 1 meeting (training) of good practices in the financial management of LIFE projects within SRAAC ;
- 1 meeting with a specialised team for the development of the action plan for *Nyctalus azoreum*.



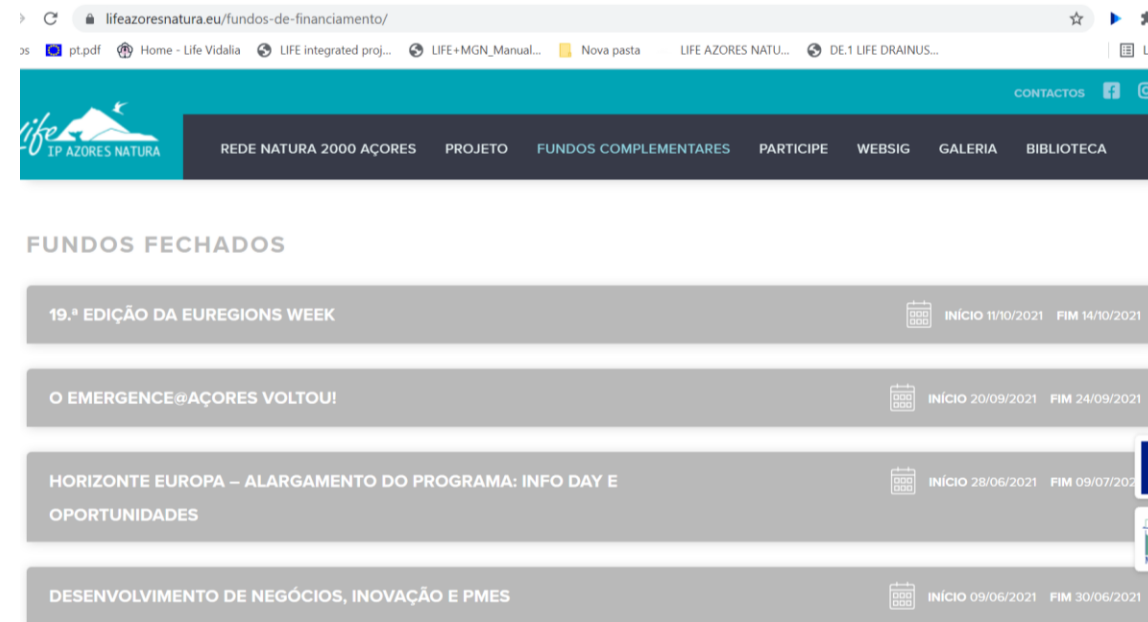
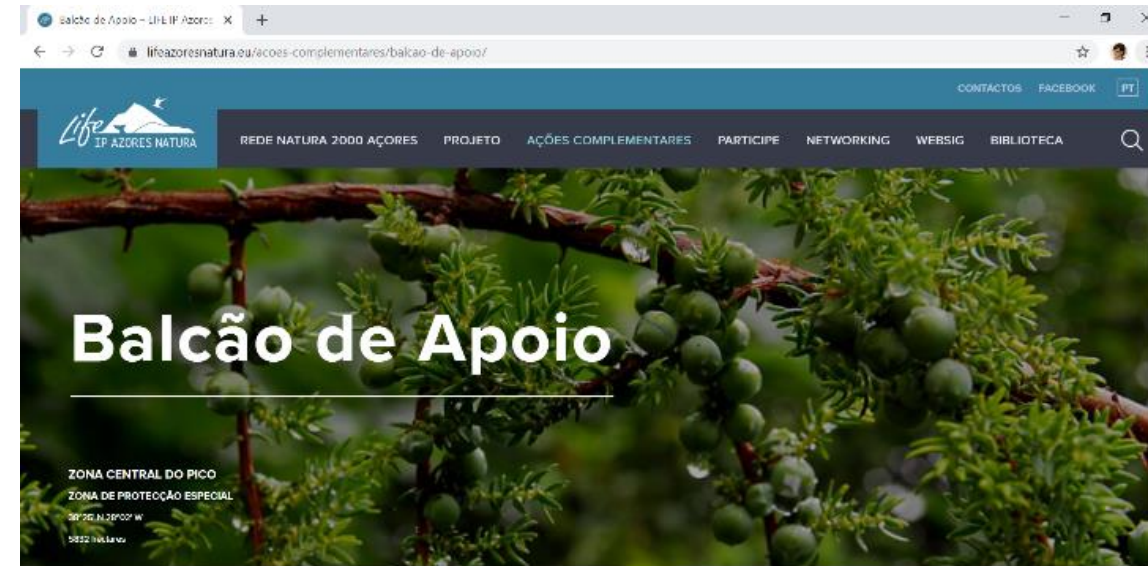
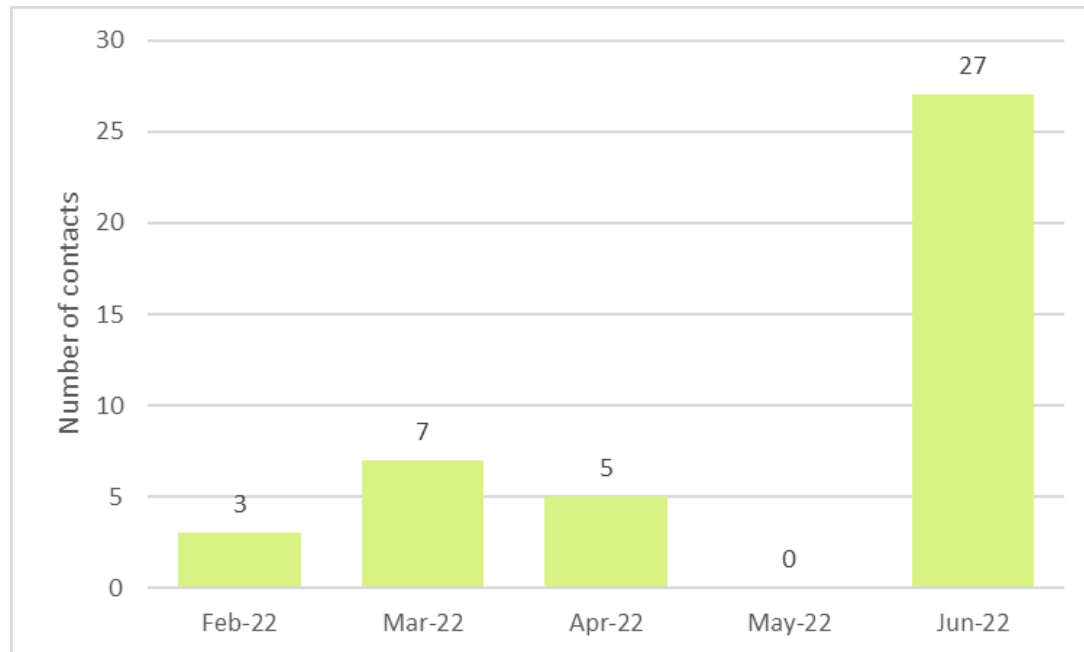
We Coordinate

- **Action F3** – Working group for coordination of the complementary funds
 - Continuation of updating the **complementary projects**:
 - Each beneficiary is responsible for identifying, planning, programming and submitting an application to those Calls for proposal that suit their aims;
 - Once granted, the suitability of the project, and how it complements the LIFE IP AZORES NATURA project, is analysed.
 - A total of **49 Complementary Projects** has been financed in **Phase I**. The thematic issues addressed include the conservation of habitats and species, impact reduction and mitigation, climate change, fisheries, pedestrian trail rehabilitation, IAS control, training / capacity building and internships
 - **12.3M€** indicated in Form FP → Increased to **34,5M€** → Increase **181%**

Code of the Complementary Action (CA)	Action / Measure / Pillar	Source of funding	Amount foreseen in the application	Amount committed (C), mobilised (M) and/or spent (S) by the first interim Report	How did the IP work with the complementary action or fund (e.g., regular phone calls, joint project or conference, common paper, etc.)? Which IP action(s) is(are) linked?
	across the full span of the Atlantic Ocean				
CA06	PLASMAR	Interreg V-A MAC 2014-2020	216 439,67€	171 928,42€ (S)	A3: Monitoring protocols and campaign results (seabed, NIS and marine litter).
CA07	RAGES - Risk-based approaches to good environmental status	DG ENV/MSFD 2018	103 900,00€	102 214,72€ (S)	Link to D5.2, A3; C12; C16; elaboration of a coordinated approach to define a risk analysis methodology for the assessment of the environmental status of the marine environment.
CA08	MarSP - Macaronesian Maritime Spatial Planning	EASME/EMFF/2 016/1.2.1.6/03/ SI2.763106 (Maritime Spatial Planning) - FEAMP	838 655,00€	329 265,00€ (S) (DRAM)	Link A3, A4.2, C10.3; Maritime Spatial Planning in Macaronesia. This project developed and implemented the Azores WebGIS for marine space allowing to transfer the value allocated to this task to the development of a comprehensive information system for the management, licensing and monitoring of maritime-tourism activities.
CA09	POPA	ORAA / DRP (Azorean government annual budget)	748 478,00€	On-going	Link to C9: fisheries data collection program, including a dataset of cetacean and turtle sightings, collected during on-effort periods over an extensive geographic area, within the Azorean EEZ.
CA10	Mistic Seas 2	DG ENV/MSFD 2016	542 670,00€	29 409,74€ (S)(DRAM)	Link to C9; application of the results of the MisticSeas I project in the implementation of the MSFD in Macaronesia, namely in the definition of monitoring programs for action D1.
CA11	Mistic Seas 3	DG ENV/MSFD 2018	363 492,00€	124 531,39€ (S) (DRAM)	Link to C9; definition of a coordinated Macaronesia-wide approach to the implementation of the MSFD descriptor 4.

We Coordinate

- **Action F3** – Working group for coordination of the complementary funds
 - Exponential growth of contacts after circulating information about calls via email;
 - **35 calls published** on complementary funds tab on website, **42 contacts received** with respect to 5 of these calls.



We Coordinate

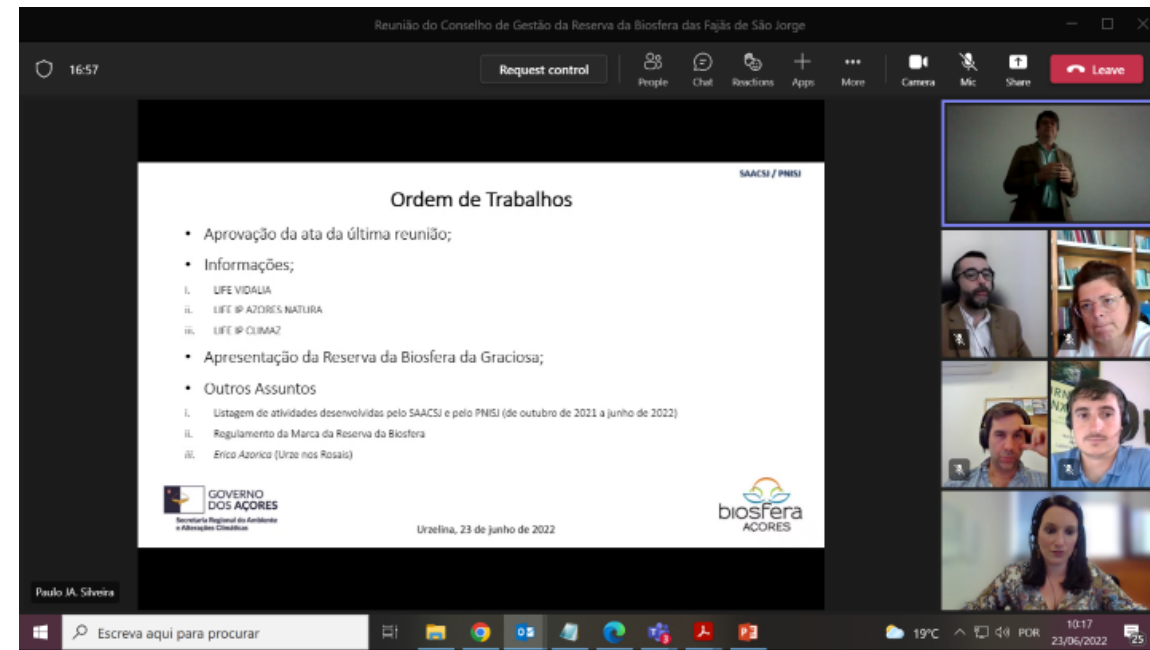
- **Action F4** – Stakeholder and Advisory Board

Advisory Board

- 1 meeting in 2022.

Stakeholder Board

- Only 3 meetings in 2022 (Graciosa, São Jorge, and Flores islands).



Follow and participate in this project!



LIFEIPNATURA



@LIFEIPNATURA



lifeip.azoresnatura@azores.gov.pt



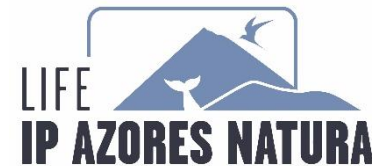
(+351) 296 206 700

<https://www.lifeazoresnatura.eu/>



GOVERNO
DOS AÇORES

Secretaria Regional do Ambiente
e Alterações Climáticas



Thank you!