

# REPORT OF THE AZOREAN BIODIVERSITY GROUP GBA-CE3C

## [2025]

Angra do Heroísmo e Ponta Delgada, 6 de Fevereiro de 2026

**CHANGE**



# REPORT OF THE AZOREAN BIODIVERSITY GROUP GBA-CE3C [2025]

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SCIENTIFIC AREA: NATURAL SCIENCES

SCIENTIFIC SUB-AREA: BIOLOGICAL SCIENCES

HOME INSTITUTION: UNIVERSIDADE DOS AÇORES

FCT AFFILIATION: CENTER FOR ECOLOGY, EVOLUTION AND ENVIRONMENTAL CHANGES (CE3C)

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[ANGRA DO HEROÍSMO & PONTA DELGADA, 6 DE FEVEREIRO DE 2026]

## Contents

I-Executive summary .....	7
II-Sumário executivo.....	8
III-Graphical abstract .....	9
IV-Abbreviations.....	10
V-Logotypes of the main financial support in 2025.....	11
European Commission.....	11
European Biodiversity Partnership.....	11
Fundação para a Ciência e Tecnologia .....	12
Fundo Ambiental .....	12
Fundo Regional para a Ciência e Tecnologia (FRCT) – Interreg Mac .....	12
Governo Regional dos Açores.....	12
Portugal 2030 – Açores 2030 – Cofinanciado pela União Europeia (FEDER).....	13
Portugal 2030 – Lisboa 2030 – Cofinanciado pela União Europeia (FEDER) .....	13
1-RESEARCH GROUP DESCRIPTION AND ACHIEVEMENTS IN 2025 .....	14
1.1-Introduction .....	14
1.2-Members in 2025 .....	16
1.2.1-Integrated members with Ph.D. (22) .....	16
1.2.2-Other type of members in 2025 (26) .....	17
1.2.3-Associate research fellows (external collaborators) (24) .....	19
1.3-Students who completed their academic degrees in 2025.....	20
2-PROJECTS RUNNING IN 2025 .....	22
2.1-SUMMARY DATA ON PROJECTS .....	22
2.1.1-Number of funded research projects in 2025 (16).....	22
2.1.2-Number of unfunded research projects in 2025 (11).....	22
2.1.3-Number of strategic networks and prestigious initiatives in 2025 (11) .....	22
2.1.4-Number of scientific management and institutional development projects (3).....	22
2.1.5-Number of projects funded by service acquisition in 2025 (4) .....	22
2.2-Different types of projects .....	22
2.2.1-Funded research projects.....	23
2.2.2-Non-funded research projects .....	23
2.2.3-Strategic networks and prestigious international initiatives .....	23

2.2.4-Scientific management and institutional development projects .....	25
2.2.5-Research services acquisition.....	25
2.3-Research and study grants .....	25
3-PUBLICATIONS IN 2025 .....	29
3.1-SUMMARY DATA ON PUBLICATIONS .....	29
3.1.1-Number of publications by integrated members in 2025 (135).....	29
3.1.2-Number of publications by associate research fellows in 2025 (10).....	29
3.2-PUBLICATION ACHIEVEMENTS IN 2025.....	29
3.3-COMPARISON OF PUBLICATION RATE IN THE PAST YEARS.....	33
4-OUTREACH ACTIVITIES IN 2025 .....	36
4.1-Scientific Outreach in 2025 .....	36
4.2-Public awareness activities in 2025.....	37
4.3-Web-based resources running in 2025 .....	41
5-SCIENTIFIC MISSIONS IN THE AZORES IN 2025.....	42
6-AWARDS & DISTINCTIONS IN 2025 .....	43
APPENDIX 1-INFORMATION ON PROJECTS .....	45
Appendix 1.1-FUNDED RESEARCH PROJECTS (16).....	45
International research projects with financial support to GBA-CE3C (9).....	45
National research projects with financial support to GBA-CE3C (3).....	47
Regional research projects with financial support to GBA-CE3C (4).....	48
Appendix 1.2-UNFUNDED RESEARCH PROJECTS (11).....	50
International research projects without financial support to GBA-CE3C (7) .....	50
National research projects without financial support to GBA-CE3C (1).....	51
Regional research projects without financial support to GBA-CE3C (3) .....	52
Appendix 1.3-STRATEGIC NETWORKS AND PRESTIGIOUS INITIATIVES (11).....	52
International strategic networks and prestigious initiatives (10).....	53
Regional strategic networks and prestigious initiatives (1).....	55
Appendix 1.4-SCIENTIFIC MANAGEMENT AND INSTITUTIONAL DEVELOPMENT PROJECTS (3).....	55
National scientific management and institutional development projects (2).....	55
Regional scientific management and institutional development projects (1) .....	56
Appendix 1.5-SERVICE ACQUISITION (4) .....	57
National service acquisition projects (1) .....	57

Regional scientific management and institutional development projects (3) .....	57
APPENDIX 2-INFORMATION ON PUBLICATIONS .....	59
Appendix 2.1-ARTICLES IN SCI JOURNALS (WITH IMPACT FACTOR) in 2025 (58+10) .....	59
Scopus papers written by at least one integrated member (N=58) .....	59
Scopus papers written by at least one associate research fellow using GBA-CE3C affiliation (10).....	64
Appendix 2.2-BOOKS .....	65
Books written by at least one integrated member (3) .....	65
Appendix 2.3-BOOK CHAPTERS .....	65
Book chapters written by at least one integrated member (3).....	65
Appendix 2.4-NATIONAL AND INTERNATIONAL PEER REVIEWED PAPERS (NO IMPACT FACTOR) .....	66
International peer-reviewed papers written by at least one integrated member (7) .....	66
Appendix 2.5-EDUCATION & OUTREACH PUBLICATIONS.....	67
Papers in periodicals written by AT LEAST ONE INTEGRATED MEMBER (29).....	67
Appendix 2.6-PROCEEDINGS OF SYMPOSIA (WITH ISBN) .....	68
Proceedings of Symposia - abstract/extended abstract [with ISBN] (9) .....	68
Appendix 2.7-TECHNICAL REPORTS.....	69
Technical reports written by at least one integrated member (1) .....	69
Appendix 2.8-OTHER TYPE OF PUBLICATIONS (24) .....	70
Datasets published by at least one integrated member (15).....	70
Pre-prints published by at least one integrated member (2).....	71
Other type of publications - IUCN species/sites files (6) .....	71
Other type of publications - Registered protocol (1) .....	72
Other type of publications – Edition of Proceedings of International Conference (1).....	72
APPENDIX 3-INFORMATION ON SCIENTIFIC MEETINGS: ORGANIZATION AND PARTICIPATION .....	73

## Index of tables

TABLE 1. TITLES, CANDIDATES, DOCTORAL PROGRAMMES, SUPERVISORS, AND AWARDING INSTITUTIONS OF PH.D. THESES COMPLETED IN 2025. DATA ARE PRESENTED IN ALPHABETICAL ORDER OF SUPERVISORS AND CANDIDATES. ....	20
TABLE 2. TITLES, CANDIDATES, DEGREE PROGRAMMES, SUPERVISORS, AND AWARDING INSTITUTIONS OF M.SC. DISSERTATIONS COMPLETED IN 2025. DATA ARE PRESENTED IN ALPHABETICAL ORDER OF SUPERVISORS AND CANDIDATES. ....	20
TABLE 3. FUNDING PROGRAMS, SUPERVISORS, STUDENTS, THEMES, AND COUNTRY OF ORIGIN OF STUDENTS STAYING AT GBA-CE3C IN 2025. DATA ARE PRESENTED IN ALPHABETICAL ORDER OF FUNDING PROGRAMME, SUPERVISORS AND CANDIDATES. ....	26
TABLE 4. NUMBER OF PUBLICATIONS PER RESEARCHER AND PUBLICATION TYPE IN 2025, EXCLUDING ASSOCIATE RESEARCH FELLOWS. ....	30
TABLE 5. NUMBER OF PUBLICATIONS PER RESEARCHER AND PUBLICATION TYPE IN 2025, FOR ASSOCIATED RESEARCH FELLOWS. ....	33
TABLE 6. DISTRIBUTION OF PUBLICATIONS BY TYPE PRODUCED BY GBA-CE3C INTEGRATED MEMBERS OVER THE PERIOD 2014-2025. ....	35
TABLE 7. OVERVIEW OF SCIENTIFIC OUTREACH ACHIEVED THROUGH EDITORIAL CONTRIBUTIONS BY GBA-CE3C MEMBERS IN 2025. ....	36
TABLE 8. OVERVIEW OF PUBLIC OUTREACH ACTIVITIES CONDUCTED BY GBA-CE3C MEMBERS IN 2025, INCLUDING EVENTS, TALKS, NEWS ITEMS, AND OTHER AWARENESS-RAISING CONTRIBUTIONS. DATA ARE PRESENTED IN ALPHABETICAL ORDER OF AUTHORS AND DATE. ....	37
TABLE 9. ORGANIZATION AND PARTICIPATION OF FIELD SCIENTIFIC MISSIONS IN 2025. INFORMATION IS ORGANIZED BY DATE. ....	42
TABLE 10. OVERVIEW OF AWARDS RECEIVED BY PHD GRADUATES, DETAILING THE RECIPIENT, AWARD, DATE, PLACE, AND A BRIEF DESCRIPTION. ....	43
TABLE 11. OVERVIEW OF AWARDS RECEIVED BY BSC GRADUATES, MS AND PHD STUDENTS, DETAILING THE RECIPIENT, AWARD, DATE, PLACE, AND A BRIEF DESCRIPTION. ....	43
TABLE 12. ORGANIZATION OF SCIENTIFIC MEETINGS FROM GBA-CE3C MEMBERS THROUGHOUT 2025. ....	73
TABLE 13. PARTICIPATION IN SCIENTIFIC MEETINGS BY GBA-CE3C MEMBERS, INCLUDING ORAL PRESENTATIONS (KEYNOTE, REGULAR) AND POSTER PRESENTATIONS (WITH/WITHOUT FLASH TALKS), THROUGHOUT 2025. ...	74

## Index of figures

FIGURE 1. TEMPORAL EVOLUTION OF FUNDING OBTAINED BY GBA-CE3C FROM 2006 TO 2025, SHOWING CONTRIBUTIONS FROM INTERNATIONAL, NATIONAL, AND REGIONAL PUBLIC SOURCES, AS WELL AS PRIVATE ENTITIES. FOR MULTI-YEAR PROJECTS, THE ANNUAL VALUE CORRESPONDS TO THE AVERAGE FUNDING PER YEAR. ....	24
FIGURE 2. TOTAL FUNDING (IN EUROS) OBTAINED IN GRANTS, MOSTLY FOR PH.D. AND POST-DOC PURPOSES, FROM 2010 TO 2025. ....	27
FIGURE 3. ANNUAL RESEARCH AND STUDY FUNDING (IN EUROS) SECURED BY THE GROUP BETWEEN 2006 AND 2025. BARS REPRESENT THE TOTAL FUNDING AWARDED PER YEAR (EUR), DISAGGREGATED INTO INDIVIDUAL RESEARCH AND STUDY GRANTS (GREY) AND COMPETITIVE RESEARCH PROJECTS (BLUE).....	28
FIGURE 4. DISTRIBUTION OF SCIENTIFIC, TECHNICAL, AND OUTREACH PUBLICATIONS PRODUCED BY THE GBA-CE3C IN 2025, CATEGORISED BY PUBLICATION TYPE. ....	29
FIGURE 5. TEMPORAL EVOLUTION OF SCI-INDEXED PUBLICATIONS BY JOURNAL IMPACT QUARTILE (Q1–Q4), 2006–2025. ....	34
FIGURE 6. SUMMED IMPACT FACTOR IN JOURNALS OF THE SCI BY INTEGRATED MEMBERS IN THE PERIOD 2008-2025. ....	34

## I-EXECUTIVE SUMMARY

**Background:** The Azorean Biodiversity Group (GBA) was formally established in 2006 following the reorganisation of the Research and Development Unit *Centro de Investigação em Tecnologias Agrárias dos Açores* (CITA-A). In 2013, it was integrated into the *Centre for Ecology, Evolution and Environmental Change* (CE3C). In 2015, GBA-CE3C was formally recognised as a Research Unit by the University of the Azores and as an independent Research and Development Centre by the Azorean Government. At the national level, CE3C has been classified as Excellent by the Portuguese Foundation for Science and Technology (FCT) in the last three evaluation cycles (2014, 2019 and 2025).

**Mission:** The mission of GBA-CE3C is to advance, integrate, and communicate scientific knowledge on biodiversity in island systems, contributing to CE3C's overarching goal of addressing societal challenges in ecology, evolution, and environmental change. The Group focuses on understanding the impacts of global change, habitat fragmentation, and species interactions, including those involving exotic species, on present and future ecosystem functioning. By assessing these impacts across environmental, agricultural, and public health dimensions, GBA-CE3C aims to inform evidence-based strategies, counter misinformation and societal resistance, and promote pro-environmental behaviours.

**Organization:** Since 2024, GBA-CE3C has been organised into four research subgroups, covering three of CE3C's thematic lines: Ecology and Conservation Across Scales, through *Island Biodiversity, Biogeography & Conservation* (IBBC); Environment and Health Interactions, through *Environmental Health in Islands* (EHI); and Towards Sustainable and Resilient Ecosystems, through *Agroforestry Ecology* (Agro(4)Care) and *Natural Products and Applications* (NPA). Each subgroup is coordinated by a designated leader and includes Ph.D. researchers, Ph.D. and M.Sc. students, and other grant-funded researchers. In 2025 several group members received different academic and scientific awards.

**Outputs – projects and networks:** In 2025, a total of 45 projects were active, including 16 funded by international (9), national (3) or regional (4) sources; furthermore, GBA-CE3C members worked on four service acquisition projects. Together, these projects, including those concluded in 2025, generated 862,978.56 EUR for the group. A further 265,750.00 EUR was secured through individual Ph.D., postdoctoral, and other individual grants. GBA-CE3C is part of 11 strategic global networks, including IUCN specialist groups and ERGA.

**Outputs – publications:** In 2025, the members of GBA-CE3C published 135 outputs, including 58 papers published in international journals indexed in Scopus. These publications had an average Impact Factor of  $3.07 \pm 2.83$  (maximum = 20.80; *Trends in Plant Science*), with about half (30 out of 58; 52.0%) classified in the first quartile of SCI journals, reflecting high scientific visibility and impact of the research produced by the group. Additionally, 23 external collaborators contributed 10 SCI-indexed papers under the GBA-CE3C affiliation.

**Outputs – events and scientific missions:** In 2025, most GBA-CE3C members were actively involved in science communication activities. The group hosted the *6<sup>th</sup> FloraMac International Symposium*, in Angra do Heroísmo (September) and the *11<sup>th</sup> CE3C annual meeting – Frontiers in E3*, in Ponta Delgada (October), and was part of the organization of seven other events. In total, the group participated in 28 scientific events in 12 countries. Four scientific missions occurred this year, one marine (Terceira Island), and the other terrestrial (São Miguel, Flores).

**Outputs – outreach:** Complementing its scientific production, GBA-CE3C members were actively engaged in science outreach in 2025, contributing to more than 50 public engagement initiatives, including agricultural training across the Azores, the maintenance of extensive web-based biodiversity databases, educational activities, and news on traditional and digital media outputs. In addition, nearly 30 outreach writings were published in various periodicals.

In 2025 the GBA-CE3C continues to demonstrate high levels of scientific achievement and societal relevance, which have ensured sustained funding over time, and will promote the continuity of these achievements into the future.

## II-SUMÁRIO EXECUTIVO

**Enquadramento:** O Grupo da Biodiversidade dos Açores (GBA) foi formalmente estabelecido em 2006, na sequência da reorganização do “Centro de Investigação em Tecnologias Agrárias dos Açores” (CITA-A), uma Unidade de Investigação e Desenvolvimento. No final de 2013, integrou-se noutra unidade, o “Centro de Ecologia, Evolução e Alterações Ambientais” (CE3C). Em 2015, o GBA-CE3C foi formalmente reconhecido como Unidade de Investigação pela Universidade dos Açores e como Centro de Investigação e Desenvolvimento independente pelo Governo dos Açores. A nível nacional, o CE3C ficou classificado como Excelente pela Fundação para a Ciência e a Tecnologia (FCT) nos últimos três ciclos de avaliação (2014, 2019 e 2025).

**Missão:** A missão do GBA-CE3C é promover, integrar e comunicar o conhecimento científico sobre a biodiversidade em sistemas insulares, contribuindo para o objetivo transversal do CE3C de responder a desafios sociais nas áreas da ecologia, evolução e alterações ambientais. O Grupo centra-se na compreensão dos impactos das alterações globais, da fragmentação de habitats e das interações entre espécies, no funcionamento dos ecossistemas. Ao avaliar estes impactos nas dimensões ambiental, agrícola e da saúde pública, o GBA-CE3C procura influenciar estratégias de conservação baseadas em evidência científica e promover comportamentos pró-ambientais.

**Organização:** Desde 2024, o GBA-CE3C encontra-se organizado em quatro subgrupos de investigação, abrangendo três das linhas temáticas (LT) do CE3C: LT Ecologia e Conservação em Diferentes Escalas (IBBC - Biodiversidade Insular, Biogeografia e Conservação); LT Interações Ambiente e Saúde (EHI - Saúde Ambiental em Ilhas); e LT Rumo a Ecossistemas Sustentáveis e Resilientes (Agro(4)Care - Ecologia Agroflorestal; NPA - Produtos Naturais e Aplicações). Cada subgrupo é coordenado por um investigador e integra doutorados, estudantes de doutoramento e mestrado, e outros bolseiros. Em 2025, vários membros do GBA-CE3C receberam diferentes prémios académicos / científicos.

**Resultados – projetos e redes:** Em 2025, estiveram ativos 45 projetos, incluindo nove (9) financiados por fontes internacionais, três (3) nacionais e quatro (4) regionais; adicionalmente, houve quatro projetos de aquisição de serviços. No seu conjunto, estes projetos, geraram 862 978,56 EUR para o Grupo. Adicionalmente foram assegurados 265 750 500,00 EUR através de bolsas individuais de doutoramento, pós-doutoramento e outras bolsas individuais. O GBA-CE3C integra 11 redes estratégicas globais, incluindo grupos de especialistas da IUCN e a ERGA.

**Resultados – publicações:** Em 2025, os membros do GBA-CE3C publicaram 135 documentos científicos, incluindo 58 artigos em revistas internacionais indexadas no Scopus. Estas publicações apresentaram um Factor de Impacto médio de  $3,07 \pm 2,83$  (máximo = 20,80; *Trends in Plant Science*), estando cerca de metade (30 em 58; 52,0%) classificadas no primeiro quartil de revistas SCI, refletindo a elevada visibilidade e impacto da investigação desenvolvida pelo Grupo. Adicionalmente, 23 colaboradores externos contribuíram com 10 artigos indexados na SCI sob a afiliação GBA-CE3C.

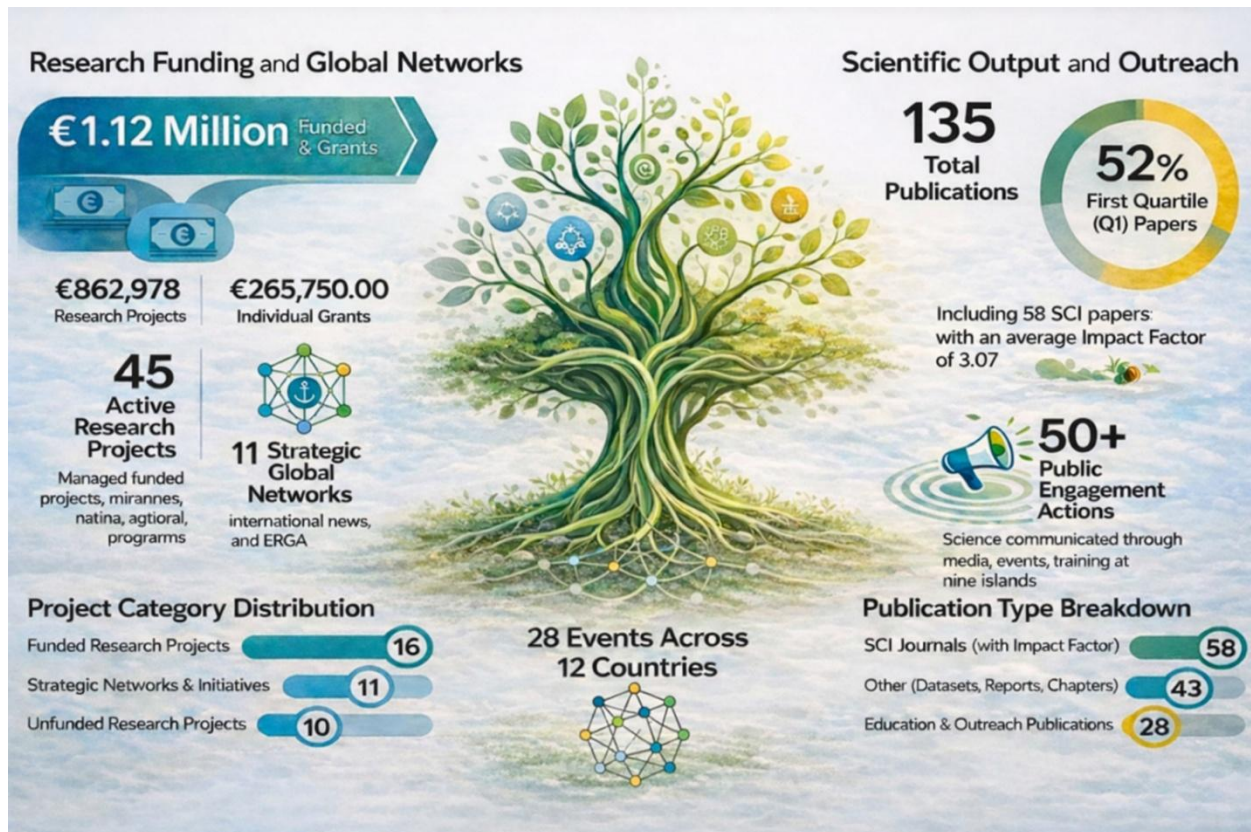
**Resultados – eventos e missões de campo:** Em 2025, os membros do GBA-CE3C estiveram ativamente envolvidos em eventos científicos e atividades de comunicação de ciência. Destacam-se a organização do 6.º Simpósio Internacional FloraMac, em Angra do Heroísmo (Setembro), e da 11.ª Reunião Anual do CE3C – *Frontiers in E3*, em Ponta Delgada (Outubro) e de outros sete eventos, e a participação em 28, em 12 países. Foram ainda realizadas quatro missões científicas, uma à área marinha da Terceira e as restantes às ilhas Flores e São Miguel.

**Resultados – divulgação:** Complementando a sua produção científica, os membros do GBA-CE3C estiveram envolvidos em atividades de divulgação científica em 2025, contribuindo para mais de 50 iniciativas de envolvimento público, incluindo formação agrícola em todo o arquipélago dos Açores, a manutenção de extensas bases de dados de biodiversidade baseadas na web, atividades educativas e notícias em meios de comunicação tradicionais e digitais. Para além disso, foram publicados cerca de 30 textos de divulgação em diversos periódicos.

Em 2025 o GBA-CE3C continua a demonstrar elevados níveis de realização científica e de relevância societal, que têm assegurado financiamento sustentando ao longo do tempo e promoverão a sua continuidade no futuro.

Below the re is a graphical representation of the key research outputs produced by GBA-CE3C in 2025.

## Azorean Biodiversity Group: 2025 Year in Review



(Figure adapted from <https://notebooklm.google>)

## IV-ABBREVIATIONS

**Agro(4)Care** – GBA subgroup: *Agroforestry Ecology*

**CE3C** – *Centre for Ecology, Evolution and Environmental Change* | Centro de Ecologia, Evolução e Alterações Ambientais

**CHANGE** – *Laboratório Associado CHANGE - Instituto para as Alterações Globais e Sustentabilidade*

**CITA-A** – Centro de Investigação em Tecnologias Agrárias dos Açores

**DENS** – *Diplôme de l'École Normale Supérieure*

**DRCID** – Direção Regional da Ciência, Inovação e Desenvolvimento

**DRPM** – Direção Regional de Políticas Marítimas

**EHI** – GBA subgroup: *Environmental Health in Islands*

**FCAA-DCA** – Faculdade de Ciências Agrárias e do Ambiente, Departamento de Ciências Agrárias

**FCAA-DCEA** – Faculdade de Ciências Agrárias e do Ambiente, Departamento de Ciências e Engenharia do Ambiente

**FCSH-DP** – Faculdade de Ciências Sociais e Humanas, Departamento de Psicologia

**FCT** – Fundação para a Ciência e a Tecnologia

**FCT-DB** – Faculdade de Ciências e Tecnologia, Departamento de Biologia

**FCT-DCFQE** – Faculdade de Ciências e Tecnologia, Departamento de Ciências da Física, Química e Engenharia

**FRCT** – Fundo Regional da Ciência e Tecnologia

**GBA** – *Azorean Biodiversity Group* | Grupo da Biodiversidade dos Açores

**IBBC** – GBA subgroup: *Island Biodiversity, Biogeography & Conservation*

**IF** – *Impact Factor* | Factor de Impacto (*Scopus System*)

**LNEC** – *National Laboratory of Civil Engineering* | Laboratório Nacional de Engenharia Civil

**NPA** – GBA subgroup: *Natural Products and Applications*

**R&D Unit** – *Research and Development Unit* | Unidade de Investigação e Desenvolvimento

**RCE** – *Regional Centre of Expertise on Education for Sustainable Development* | Centro Regional de Excelência

**SCI** – *Science Citation Index*

**SRAA** – Secretaria Regional da Agricultura e Alimentação

**SRAM** – Secretaria Regional do Ambiente e Ação Climática

**SRMP** – Secretaria Regional do Mar e das Pescas

**TL** – Thematic Line

**UAç** – *University of the Azores* | Universidade dos Açores

**UN** – *United Nations* | Nações Unidas

## V-LOGOTYPES OF THE MAIN FINANCIAL SUPPORT IN 2025

The following entities provided financial support to the Azorean Biodiversity Group in 2025; they are represented in alphabetical order.

### EUROPEAN COMMISSION



### EUROPEAN BIODIVERSITY PARTNERSHIP



FUNDAÇÃO PARA A CIÊNCIA E TECNOLOGIA



FUNDO AMBIENTAL



FUNDO REGIONAL PARA A CIÊNCIA E TECNOLOGIA (FRCT) – INTERREG MAC



GOVERNO REGIONAL DOS AÇORES



GOVERNO  
DOS AÇORES

VICE-PRESIDÊNCIA  
DO GOVERNO



GOVERNO  
DOS AÇORES

Secretaria Regional do Ambiente  
e Ação Climática

**PORTUGAL 2030 – AÇORES 2030 – COFINANCIADO PELA UNIÃO EUROPEIA (FEDER)**



**PORTUGAL 2030 – LISBOA 2030 – COFINANCIADO PELA UNIÃO EUROPEIA (FEDER)**



## 1-RESEARCH GROUP DESCRIPTION AND ACHIEVEMENTS IN 2025

### 1.1-INTRODUCTION

The Azorean Biodiversity Group (GBA-CE3C) was recognized by the University of the Azores as an independent 'Research and Development Centre' in 2015, and in the same year, the GBA-CE3C was recognized by the Azorean Government as a Research Unit. At a national level, the Azorean Biodiversity Group is a sub-group of the Centre for Ecology, Evolution and Environmental Changes (CE3C) since 2013, a research unit awarded the Classification of EXCELLENT by the Portuguese Foundation for Science and Technology (FCT) in December of 2014 and 2019. Presently the management units of the CE3C group are: the University of Lisbon, the University of the Azores, the CienicalD Foundation, and the Gaspar Frutuoso Foundation. All the integrated GBA-CE3C members, plus the Ph.D. students and collaborators, are now part of a larger research lab, the CHANGE Associate Laboratory, with 120 integrated members in which research questions will be addressed at both the mainland and insular scales.

The 22 scientists composing the Group in 2025 have complementary expertise that allows them to address several recognized research issues in the inter-dependence of ecosystems and humans, improving scientific knowledge and contributing to social sustainability. The GBA-CE3C research focuses on the study of biodiversity patterns (taxonomic, functional, and phylogenetic diversity), and its changes under the impact of climatic changes, land use alterations, and species invasions, which is key for guidelines of management and conservation. Likewise, the development of communication strategies and tools for participatory risk assessment, characterization, and evaluation, aims to enhance environmental hazard governance, address climate change, and strengthen social engagement in regional nature conservation and sustainability.

Over the past 19 years (2006–2025), GBA researchers have seen steady growth and stabilization in funded projects, publications, and personnel, expanding from six integrated members in 2008 to 22 in 2025. The Group also counts 24 international and national external collaborators who participate in several projects and publications as Associated Research Fellows.

GBA-CE3C researchers employ an integrated and interdisciplinary framework that links biodiversity research with sustainable agriculture, natural products, and environmental health, addressing ecological, biotechnological, and socio-environmental challenges in island systems. Within this framework, the IBBC group has built a strong track record in biodiversity science by combining multi-scale approaches with taxonomic, functional, and phylogenetic metrics, and by developing and maintaining unique, long-term, standardised databases on arthropods (BALA, ISLANDBIODIV-SLAM, EDEN), bryophytes (MOVECLIM, BIOMONI), and vascular plants (ISLANDBIODIV, MOVECLIM, BIOMONI). Agro(4)Care contributes to sustainable agriculture through integrated pest management and the biotechnological exploration of mycorrhizal fungi in agroforestry systems, reducing pesticide use and enhancing ecosystem productivity and resilience in the Azores. The Natural Products and Applications (NPA) group unlocks the chemical diversity of terrestrial and marine organisms from the Azorean Islands to develop sustainable solutions for pharmacology, cosmetics, and agriculture, while Environmental Health on Islands (EHI) adopts a holistic approach to address the interconnected environmental, climatic, and socio-economic challenges of island systems.

Sharing knowledge to both the scientific community and other stakeholders has long been a core priority for GBA-CE3C researchers. The group is responsible for the creation and maintenance of 15 web-based resources, including the Azorean Biodiversity Portal (<https://azoresbioportal.uac.pt/>) and the IslandLab (<https://islandlab.uac.pt/>), which host extensive datasets and tools, as well as the pedagogical podcast Field Guide (<https://soundcloud.com/field-guide-362856827>). New challenges are going to be addressed with the project BioMUST4All that will select and propose new biodiversity rich places for visitation by all, regardless of physical, sensory, or cognitive abilities, age, or background.

GBA-CE3C research supports wildlife conservation in Azorean terrestrial and marine ecosystems and informs the management of invasive species, including taxa of economic relevance. Notably, the Azorean Government has relied on GBA-CE3C expertise to support the designation of protected areas (Island Natural Parks) and the definition of Integrated Pest Management and Invasive Species (PRIBES) policies. Beyond the regional context, the group's work has contributed substantially to global conservation assessments: over the last five years, approximately 550 bryophyte species, 70 fern species, 236 endemic arthropods, and seven grouper species have been evaluated for the IUCN Red List and in 2025, seven arthropod species were evaluated for the IUCN newly launched Green Status assessment. To further enhance accessibility and dissemination of conservation-relevant information on invertebrates, a dedicated website was established under the IUCN SSC Atlantic Islands Invertebrates Specialist Group, co-chaired by Paulo A.V. Borges (<https://www.aiisg.net/>).

The current report lists the main activities of the Azorean Biodiversity Group (GBA-CE3C) for 2025. Further details may also be seen on the following web pages:

**AZOREAN BIODIVERSITY GROUP (GBA):** <https://gba.uac.pt/>

**Agroforestry Ecology (AGRO-FOR-CARE):** <https://gba.uac.pt/team/AGRO>

**Environmental Health in Islands (EHI):** <https://gba.uac.pt/team/EHI>

**Island Biodiversity, Biogeography & Conservation (IBBC):** <https://gba.uac.pt/team/IBBC>

**Natural products and applications (NPA):** <https://gba.uac.pt/team/NPA>

## 1.2-MEMBERS IN 2025

GBA-CE3C has experienced sustained growth in funded projects, scientific output, and human resources over recent years. The number of integrated researchers (members holding a Ph.D.) increased from four in 2006 to 22 in 2025. Of these 22 researchers, 11 hold permanent academic positions at the University of the Azores, one holds a teaching and research contract with the institution, while another, although with a technical permanent position, is currently working outside the University. Six (6) elements had doctoral research contracts, at least part of 2025, and three (3) PhDs had collaboration agreements with the University. Another five (5) researchers continued to publish work initiated during their time at GBA-CE3C, despite having moved on to different contractual arrangements. Furthermore, 23 Associated Research Fellows (External Collaborators) from several countries collaborate on different projects, creating a network of Island research investigators.

The academic formation is very important to GBA-CE3C, and in 2025 the group included seventeen (17) Ph.D. students, of whom six (6) were funded by FCT, eight (8) were funded by FRCT, one (1) was partially funded by DRCID, and two (2) were funded other sources. Ten (10) M.Sc. students also finished their dissertations in 2025. Additionally, the group included two (2) research grant holders, one (1) superior technician, and one (1) technician.

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### 1.2.1-Integrated members with Ph.D. (22)

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#### 1.2.1.1-DIRECTOR (1)

1. Rosalina Gabriel (UAc, FCAA-DCEA)

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#### 1.2.1.2-VICE-DIRECTOR (1)

1. Patrícia Ventura Garcia (UAc, FCT-DB)

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#### 1.2.1.3-OTHER RESEARCHERS WITH PERMANENT ACADEMIC POSITIONS (9)

1. Ana Maria Loureiro da Seca (UAc, FCT-DCFQE)
2. Ana Moura Arroz (UAc, FCSH-DP)
3. António Onofre Soares (UAc, FCT-DB)
4. Catarina Alexandra Drumond Melo (UAc, FCAA-DCA)
5. David Horta Lopes (UAc, FCAA-DCA)
6. João Pedro Barreiros (UAc, FCAA-DCA)
7. Maria do Carmo Barreto (UAc, FCT-DCFQE)
8. Paulo A.V. Borges (UAc, FCAA-DCEA)
9. Rui Bento Elias (UAc, FCAA-DCA)

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#### 1.2.2.1- RESEARCHERS WITH TEACHING AND INVESTIGATION CONTRACT (1)

1. Gonçalo P. Rosa (UAc, FCT-DCFQE) Funded by NATUR-Ext Mac INTERREG (contract ended on 31st October 2025; funded by FEDER LigFish, contract started on 3rd November 2025)

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#### 1.2.1.4- RESEARCHERS IN A COMMISSION OUTSIDE THE UNIVERSITY OF THE AZORES (1)

1. Virgílio Vieira (Ponta Delgada, Azores, Portugal)

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#### 1.2.1.5- PH.D. HOLDERS WITH RESEARCH CONTRACT (6)

1. Ana Teresa Pinto Santos Nunes **Madeira** Sarmiento (UAc, FCAA-DCEA) Funded by INTERREG (started on the 1<sup>st</sup> March 2025)
2. Guilherme Oyarzabal da Silva (UAc, FCAA-DCEA) Funded by FCT (contract ended on the 31<sup>st</sup> May 2025)
3. Isabel R. Amorim (UAc, researcher hired under DL 57 FCT; contract ended on the 31<sup>st</sup> January 2025; hired by BioMUST4All on the 1<sup>st</sup> of December 2025)
4. Leila Nunes Morgado (UAc, FCAA-DCEA) Funded by University of the Azores under a Biodiversa+ project (started on the 1<sup>st</sup> March 2025)
5. Luís Carlos da Fonseca Crespo (UAc, FCAA-DCEA) Funded by University of the Azores under a Biodiversa+ project (contract ended on the 30th November 2025)
6. Mário Boieiro (UAc, researcher hired under DL 57 FCT; contract ended on the 31<sup>st</sup> January 2025)

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#### 1.2.2.3- PH.D. HOLDERS WITH COLLABORATION AGREEMENTS (3)

1. Ana Luísa Coderniz Picanço (UAc, GBA)
2. Isabel Marisa Mateus Borges (UAc, GBA)
3. Sophie Aurélia Wallon (UAc, GBA)

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### 1.2.2-Other type of members in 2025 (26)

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#### 1.2.2.1-FORMER MEMBERS PUBLISHING RESEARCH BASED ON DATA GENERATED AT GBA-CE3C (5)

1. Bruna Aparecida Gomes Almeida
2. Catarina Isabel Marques da Fonseca
3. Gabor Pozsgai
4. Jéssica Garcia Uchôa
5. Rafaela de Paula Tiengo

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#### 1.2.2.2-PH.D. STUDENTS (17)

1. Alejandra Ros-Prieto (UAc, FCAA-DCEA), Funded by FRCT
2. Almudena Dueñas-Rojas (Autonomous University of Madrid, Department of Ecology, Madrid, Spain), Funded by the Spanish Research Council
3. Enésima de Fátima Enes Pereira (UAc, FCAA-DCEA), Partially Funded by DRCID
4. Hugo Renato Marques Garcia Calado (UAc, FCAA-DCEA), Funded by FRCT
5. Jailson Emilio Monteiro Mendes (UAc, FCT-DB) Funded by FCT
6. Juan Pablo Cancela (UAc, FCAA-DCEA), Funded by FCT
7. Laurine Parmentier (UAc, FCAA-DCEA), Funded by FRCT
8. Lucie Fatková (Charles University, Prague, Czech Republic), Funded by the Czech Research Council
9. Luís Miguel Duarte Barcelos (UAc, FCAA-DCEA), Funded by FRCT
10. Mariana Moniz Viveiros (UAc, FCT-DB), Funded by FRCT
11. Mauro Sebastião Pedro Micheu (UAc, FCAA-DCEA), Funded by FCT
12. Nicole Mineiro (Universidade do Porto, ICBAS), Funded by FCT
13. Ricardo Costa (UAc, FCAA-DCEA), Funded by FCT
14. Rui César Almeida Andrade (UAc, FCAA-DCEA) Funded by FCT
15. Sébastien Lhoumeau (UAc, FCAA-DCEA), Funded by FRCT
16. Vera da Conceição Benevides Raposo (UAc, FCT-DB), Funded by FRCT
17. Wilson Rodrigues Tavares (UAc, FCT-DB), Funded by FRCT

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#### 1.2.2.3-GRANT STUDENTS (2)

1. Gabriela Melo da Silveira (UAc, FCAA-DCEA), Funded by FRCT
2. Mariana Aguiar Sousa (UAc, FCAA-DCEA), Os Montanheiros

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#### 1.2.2.4-SUPERIOR TECHNICIAN (1)

1. Enésima de Fátima Enes Pereira (UAc), Funded by FCT

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#### 1.2.2.5-TECHNICIAN (1)

1. Fernando Emanuel Amarante Pacheco Pereira (UAc, FCAA)

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### 1.2.3-Associate research fellows (external collaborators) (24)

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#### 1.2.3.1-ASSOCIATE RESEARCH FELLOWS PUBLISHING WITH GBA-CE3C AFFILIATION IN 2025 (10)

1. Alexandra Filipa Rocha Silva (Independent researcher, Santa Maria da Feira, Portugal)
2. Ana Margarida Santos (Autonomous University of Madrid, Spain)
3. Artur Gil (IVAR, Instituto de Investigação em Vulcanologia e Avaliação de Riscos, Ponta Delgada, Portugal)
4. Dinarte Nuno Freitas Teixeira (Instituto das Florestas e Conservação da Natureza, IP-RAM, Funchal, Portugal)
5. François Rigal (Université de Pau et des Pays de l'Adour, France)
6. Jagoba Malumbres-Olarte (Independent researcher, Toulouse, France)
7. Lucas Lamelas-López (Independent researcher, Galicia, Spain)
8. Márcia Catarina Mendes Coelho (Independent researcher, Angra do Heroísmo, Azores, Portugal)
9. Noelline Tsafack Menessong (Avignon University, France)
10. Thomas Matthews (School of Geography, Earth and Environmental Sciences, University of Birmingham, UK)

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#### 1.2.3.2- ASSOCIATE RESEARCH FELLOWS WITHOUT GBA-CE3C AFFILIATION IN 2025 (14)

1. Alicia Navarro-Sempere (University of Alicante, Spain)
2. Carolina Paula Furtado de Medeiros Parelho (DRCT, Ponta Delgada, Azores, Portugal)
3. Elisa Tarantino (Independent Researcher, Italy)
4. Filipe Bernardo (IVAR, Instituto de Investigação em Vulcanologia e Avaliação de Riscos, Ponta Delgada, Azores, Portugal)
5. Gabor Lövei (Aarhus University, Denmark)
6. João Bernardo Vasconcelos Barreiros (iSea, Environmental Organisation for the Preservation of the Aquatic Ecosystems, Thessaloniki, Greece)
7. José A. P. Marcelino (University of Florida, University of Puerto Rico, USA)
8. Magdalena García (University of Alicante, Spain)
9. Marco Ferrante (Georg-August-University of Göttingen, Germany)
10. Pedro Cardoso (University of Lisbon, Portugal)
11. Rui Miguel dos Santos M. Carvalho (Independent researcher, Lisboa, Portugal)
12. Rui Miguel Ricardo Nunes (Independent researcher, Angra do Heroísmo, Azores, Portugal)
13. Tarso de Menezes Macedo Costa (Independent researcher, Azores, Portugal)
14. Yolanda Segovia (University of Alicante, Spain)

### 1.3-STUDENTS WHO COMPLETED THEIR ACADEMIC DEGREES IN 2025

In 2025, four doctoral students (Table 1) and 12 master's students (Table 2) successfully completed their academic degrees, supervised by at least one GBA-CE3C member.

Table 1. Titles, candidates, doctoral programmes, supervisors, and awarding institutions of Ph.D. theses completed in 2025. Data are presented in alphabetical order of supervisors and candidates.

ID	Supervisor(s)	Candidate	Awarding Institution	Degree Program	Title
1	<b>Borges, P.A.V. &amp; Baccaro, Fabricio B.</b>	Ana Cristina da Silva Utta	Instituto Nacional de Pesquisa da Amazónia (Brasil)	Ecologia	<i>Efeitos da simplificação de habitat e mudanças climáticas sobre a diversidade taxonômica e funcional de assembleia de formigas (Hymenoptera: Formicidae)</i>
2	<b>Borges, P.A.V., Dias, Teresa &amp; Carvalheiro, Luísa</b>	Juan Pablo Cancela Vallejo	Universidade dos Açores (Portugal)	Biologia	Pollinator assemblage response to nutrient enrichment in grasslands
3	<b>Morgado, L.N. &amp; Mendonça, Claudia Barbieri Ferreira</b>	Gabriel Henrique Gomes de Souza Freitas Teixeira	Museu Nacional / Universidade Federal do Rio de Janeiro (Brasil)	Programa de Pós-graduação em Ciências Biológicas (Botânica)	Palinologia de espécies da Mata Atlântica e recursos polínicos utilizados por <i>Melipona quadrifasciata</i> Lepeletier, 1836 (Hymenoptera: Apidae) em parques do município do Rio de Janeiro
4	<b>Borges, P.A.V. &amp; Elias, R.B.</b>	Sophie Aurélia Wallon	Universidade dos Açores (Portugal)	Gestão Interdisciplinar da Paisagem	<i>In-situ</i> assessment of the Impact of climate change on pasture quality and associated arthropod communities in Terceira Island

Table 2. Titles, candidates, degree programmes, supervisors, and awarding institutions of M.Sc. dissertations completed in 2025. Data are presented in alphabetical order of supervisors and candidates.

ID	Supervisor(s)	Candidate	Awarding Institution	Degree Program	Title
1	<b>Barreiros, J.P. &amp; Tani, Ilaria</b>	Federica Tornatore	Università degli Studi di Milano-Bicocca (Italy)	Marine Sciences	Marine protected areas and their ecological effectiveness: The dusky grouper as a keystone and flagship species
2	<b>Barreiros, J.P. &amp; Pedro, Sílvia</b>	Mariana Carvalho	Escola de Ciências e Tecnologia, Universidade de Évora (Portugal)	Biologia da Conservação	Ecological observations on an aggregation of <i>Dasyatis pastinaca</i> (Linnaeus, 1758) in Terceira Island, Azores: Environmental drivers of abundance and sex ratio
3	<b>Boieiro, M.</b>	Miguel Joaquim	Faculdade de Ciências, Universidade de Lisboa	Biologia Ambiental	Red List of Selvagens archipelago's endemic beetles: biodiversity patterns and conservation priorities

ID	Supervisor(s)	Candidate	Awarding Institution	Degree Program	Title
4	<b>Borges, P.A.V.</b>	Guillaume Péron	DENS Biology Department PSL Université Paris (France)	Life Sciences	Assessment of the ecosystem quality of the mixed forest on Santa Maria Island through arthropod community analysis to conserve three endemic land snail species
5	<b>Borges, P.A.V. &amp; Boieiro, M.</b>	Raúl Miguel Oliveira	Universidade dos Açores (Portugal)	Gestão e Conservação da Natureza	<i>Impacto dos usos do solo na comunidade de polinizadores na Ilha Terceira: um estudo de longo prazo e propostas de mitigação</i>
6	<b>Gabriel, R. &amp; Taylor, Amanda</b>	Xenia Davide	Wageningen University (Netherlands)	Plant Ecology and Nature Conservation	Epiphytes and elevation: a bryophyte study on Terceira Island
7	<b>Garcia, P.V., Rodrigues, Armindo &amp; Ladeira, Carina</b>	Maria de Fátima Simas Ávila Baptista	Universidade dos Açores (Portugal)	Ciências Biomédicas	<i>Comparação de duas técnicas citológicas para avaliação da genotoxicidade e citotoxicidade</i>
8	<b>Garcia, P.V., Sá, Tiago &amp; Dias, Ana Filipa</b>	Maria Luísa Beatriz Silveira Neves	Universidade dos Açores (Portugal)	Mestrado em Ciências Biomédicas	Qualidade do sono e níveis de ferritina em doentes de Machado-Joseph/ataxia espinocerebelosa do tipo 3
9	<b>Lopes, D.H.</b>	Magda Fátima Soares Lourenço	Universidade dos Açores (Portugal)	Gestão e Conservação da Natureza	Identificação das variedades de citrinos e levantamento de fungos e ácaros presentes nos pomares tradicionais (convencionais e biológicos) da ilha Terceira-Açores
10	<b>Melo, C.D.</b>	Joel Lima Dutra	Universidade dos Açores (Portugal)	Engenharia Agronómica	Contributo da aplicação Fungos Micorrízicos Arbusculares (FMA) nativos dos Açores na Cultura de Próteas na Ilha Terceira (Açores)
11	<b>Seca, A.M.L. &amp; Barreto, M.C.</b>	Maria Francisca Fortuna Soares Albergaria Lucas	Universidade dos Açores (Portugal)	Ciências Biomédicas	Determination of the chemical composition and in vitro activity of <i>Laurus azorica</i> against aging-related diseases
12	<b>Seca, A.M.L.</b>	Sónia Catarina de Sousa Mergulhão Mota d'Almeida	Universidade dos Açores (Portugal)	Ciências Biomédicas	Efeito de compostos de origem marinha sobre as células estaminais de glioblastoma

## 2-PROJECTS RUNNING IN 2025

### 2.1-SUMMARY DATA ON PROJECTS

#### 2.1.1-Number of funded research projects in 2025 (16)

International research projects = 9

National research projects = 3

Regional research projects = 4

#### 2.1.2-Number of unfunded research projects in 2025 (11)

International research projects = 7

National research projects = 1

Regional research projects = 3

#### 2.1.3-Number of strategic networks and prestigious initiatives in 2025 (11)

International strategic networks = 10

Regional strategic networks = 1

#### 2.1.4-Number of scientific management and institutional development projects (3)

National scientific management and institutional development projects = 2

Regional scientific management and institutional development projects = 1

#### 2.1.5-Number of projects funded by service acquisition in 2025 (4)

National service acquisition projects = 1

Regional service acquisition projects = 3

### 2.2-DIFFERENT TYPES OF PROJECTS

In 2025, a total of 45 projects were active in GBA-CE3C, several of which concluded during that year (cf. Appendix 1).

Projects were classified into five main categories, including: (i) funded competitive projects – supported by international, national or regional sources and providing direct financial resources to the research group; (ii) unfunded competitive projects – where GBA-CE3C members participate, although they do not bring financial apports to the group; (iii) strategic and collaborative networks – which, although not associated with direct funding, generate in-kind returns and non-monetary benefits, including scientific publications, data production and the establishment of partnerships supporting science, nature conservation and sustainability. Another two different types of projects are recognized in this section: (iv) projects that support the scientific management and institutional development of the group (non-R&D); and (v) service acquisition projects.

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### 2.2.1-Funded research projects

In 2025, GBA-CE3C ran 16 funded competitive research projects, distributed across international, national, and regional funding sources, bringing a total of **862'978.56 EUR** to the group (Appendix 1.1).

International funding included support from programmes sponsored by the European Commission, such as Biodiversa+, Horizon IA and TETTRIs, and INTERREG MAC 2021–2027, among others. Presently the GBA-CE3C is leading three Biodiversa+ projects (DarCo, BioMonI, and COMCHA), and three INTERREG projects (PESTDISPLAT\_2CAP, NATUR-EXT, ALSEMAC) in the Azores. National funding comprised competitive project grants from the Foundation for Science and Technology (FCT), the 'Fundo Ambiental', and additional national funding schemes. Regional funding sources provided important funding opportunities, namely in the ACORES2030 programme.

Over the past 19 years, GBA-CE3C has secured substantial and sustained levels of funding, reflecting the strong competitiveness and scientific credibility of the research group (Figure 1). This positive funding trajectory has been instrumental in supporting long-term research programmes, fostering scientific excellence, and enabling the production of high-quality research outputs and internationally recognised publications.

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### 2.2.2-Non-funded research projects

A limited number of research projects involve GBA-CE3C without allocated funding (Appendix 1.2). Specifically, GBA-CE3C researchers participate in the TRANS-Lighthouses project, Stream Ecosystem Recovery, ForestFisher, RESCUE, IPM-Popillia, and GEMITERP, among others.

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### 2.2.3-Strategic networks and prestigious international initiatives

This section refers to prestigious networks and strategic initiatives in which GBA-CE3C holds formal membership or active participation, without direct project-based funding (Appendix 1.3). Below there are short descriptions of the networks which were particularly important to GBA-CE3C in 2025.

**IUCN** – Since 2008, GBA-CE3C members lead or are team members of six specialist groups: the IUCN SSC - Atlantic [Mid-Atlantic] Island Invertebrates Specialist Group; the IUCN SSC - Grouper and Wrasse Specialist Group; the IUCN SSC - Ladybird Specialist Group, the IUCN SSC - Macaronesian Islands Plant Specialist Group, the IUCN SSC - Species Monitoring Specialist Group, and the IUCN SSC - Spider and Scorpion Specialist Group. Furthermore, it is also part of the IUCN Green Status Integration and Adoption Committee, since its creation in 2025.

**RCE Açores** – In 2009 we started the development and coordination of the UN international education network Regional Centre of Expertise on Education for Sustainable Development, accredited by the United Nations University, Institute of Advanced Studies. Among our partners we count: *Ecoteca da Ilha Terceira*, *Câmara Municipal de Angra do Heroísmo*, *Câmara Municipal da Praia da Vitória*, *Gabinete de Promoção Ambiental dos Açores*, *Museu de Angra do Heroísmo*, *Associação Os Montanheiros*, *Gê-Questa*, *Associação das Mulheres de Pescadores e Armadores da Ilha Terceira*, *Ilhas em Rede - Associação de Mulheres na Pesca*

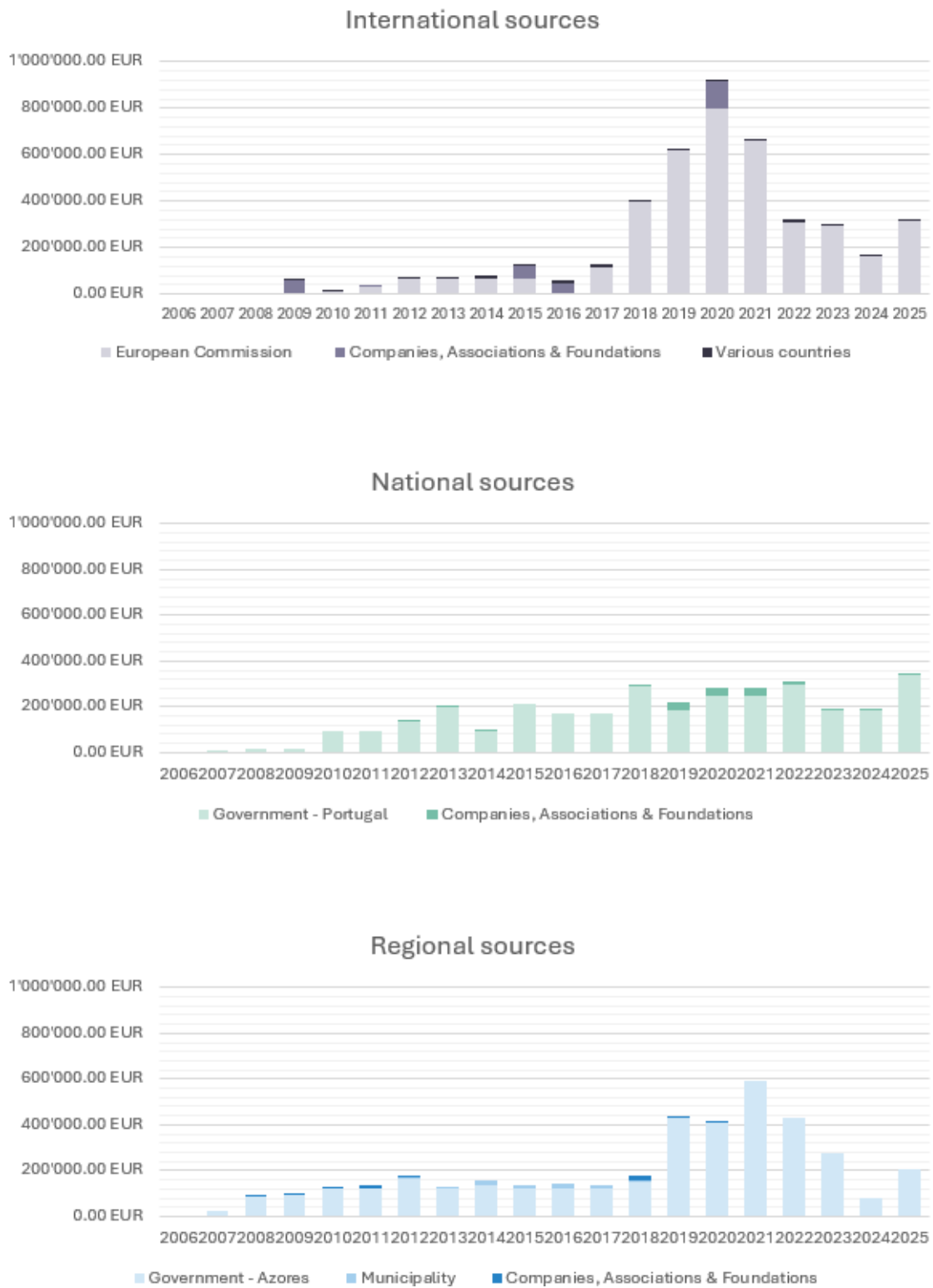


Figure 1. Temporal evolution of funding obtained by GBA-CE3C from 2006 to 2025, showing contributions from international, national, and regional public sources, as well as private entities. For multi-year projects, the annual value corresponds to the average funding per year.

*nos Açores, Associação para a Defesa do Património Marítimo dos Açores, Escola Secundária Jerónimo Emiliano de Andrade, Rede de Eco-Escolas dos Açores and BioAzorica.*

**PARKS OF THE AZORES** – In 2012 we started an unprecedented collaboration with several Azorean environmental organizations to perform a Long-Term Ecological Study in the natural forest of several Azorean islands. This study is possible due to the collaboration of the Natural Park of Santa Maria, the Natural Park of Terceira, the Natural Park of Faial, the Natural Park of Pico, the Botanical Garden of Faial, and the Furnas Monitoring and Research Centre in São Miguel Island.

**ERGA and ERGA/BGE** – Since 2021, GBA-CE3C members participate in the European Reference Genome Atlas (ERGA) and the Biodiversity Genomics Europe (ERGA/BGE).

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#### 2.2.4-Scientific management and institutional development projects

Three scientific management and institutional development projects (non-R&D) were funded by the Portuguese Foundation for Science and Technology (FCT) and by the Azorean Scientific Research entity (DRCID) in 2025 (Appendix 1.4). These include a multi-year baseline funding for the R&D unit CE3C, which provided an important programmatic component, and enables the (re)equipment of the laboratories; furthermore, the Regional Government of the Azores, through DRCID and the ACORES 2030–2025 program, has awarded one-year institutional funding to GBA-CE3C.

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#### 2.2.5-Research services acquisition

In 2025, four projects were classified as services acquisition, mostly to LIFE projects occurring in the Azores: LIFE Natura@Night (Apoio Técnico na Monitorização e Identificação de Lepidópteros Noturnos), LIFE BEETLES II (Preparatory and Monitoring Actions for LIFE Beetles Project), LIFE SNAILS - MAES (Consultadoria Externa para *Mapeamento e avaliação dos serviços de ecossistemas no âmbito do Projeto Life Snails*) and LIFE-SNAILS-IBIS (*Quantificação do Index of Biotic Integrity (IBI) nas áreas de intervenção do Projeto Life Snails*) (Appendix 1.5).

### 2.3-RESEARCH AND STUDY GRANTS

The GBA-CE3C group contributed to academic and professional training across multiple levels, including the supervision and support of postgraduate students (M.Sc. and Ph.D.), the provision of curricular training opportunities for undergraduate students (B.Sc.) and other trainees, as well as extracurricular and institutionally funded training programmes involving B.Sc., M.Sc., and other early-career participants. Overall, these grants amounted to an estimated value of 265'750.00 EUR in 2025.

In addition to the 17 Ph.D. students supervised/co-supervised by GBA-CE3C researchers (cf. Section 1.2.2.2), a total of 28 youths worked and learned in the group's laboratories in 2025 (Table 3). Most of these students (25) were funded by Erasmus+ program, either completing curricular training, or laboratory and field training. Furthermore, Eurodissey Program, from the Assembly of European Regions, supported one young researcher, while *Programa Estagiar-L*, from the Regional Government of the Azores, partially supported another two young researchers – one of them in partnership with 'Associação "Os Montanheiros"'.

Table 3. Funding programs, supervisors, students, themes, and country of origin of students staying at GBA-CE3C in 2025. Data are presented in alphabetical order of funding programme, supervisors and candidates.

Funding programme	Supervisor(s)	Student	Theme	Country of origin
Erasmus+	Arroz, A.M.	Leyda Margarita Negrín García	Identification of organisations that promote contact with nature: Portugal - Spain - England, Canada & The United States	Spain
	Barreiros, J.P.	Federica Tornatore	Monitoring juvenile dusky groupers, <i>Epinephelus marginatus</i> (Lowe, 1834) in Fanal Bay, Terceira Island	Italy
	Barreto, M.C.	Laura Alarcón Pozo	Bioactive Natural Products laboratory work	Spain
		David Bayatpour	Bioactive Natural Products laboratory work	Denmark
	Boieiro, M.	Archambault van Rooij	Ant diversity in three habitat-types of a Montado ecosystem	France
	Borges, P.A.V.	Alexandra Del Lago	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Italy
		Ambre Solivellas	Long Term Monitoring of Azorean Forest arthropods	France
		Amelie Neitzel	Long Term Monitoring of Azorean Forest arthropods	Germany
		José Luis Fernández	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Spain
		Guillaume Péron	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	France
		Luna Serrano Navarro	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Spain
		Yerai Gómez López	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Spain
	Borges, P.A.V. & Gabriel, R.	Alejandro Torres Expósito	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Spain
		Noelia Reverón García	Long Term Ecological Study of the Impacts of Climate Change in the natural forest of Azores	Spain
	Borges, P.A.V., & Parmentier, L.	Alice Vedovelli	Monitoring marine birds in the Azores	Italy
	Elias, R.B. & Borges, P.A.V.	Andrea Petrone	Plant diversity from the native forest of Azores: Monitoring plants from São Jorge Island	Italy
	Gabriel, R.	Giulia Bacillieri	Ecological modelling and taxonomic study of bryophytes in Mediterranean and Macaronesian Island	Italy
Gabriel, R.	Lucie Fatková	Urban bryophytes in an Atlantic City: Angra do Heroísmo	Czechia	
Gabriel, R. & Borges, P.A.V.	Jochem de Jong	Mapping the distribution of Azorean Spiders and identify key habitats	Netherlands	

Funding programme	Supervisor(s)	Student	Theme	Country of origin
	<b>Gabriel, R.&amp; Borges, P.A.V.</b>	Sybren Bakker	Distribution of bryophytes across land use types in Terceira Island: Analysing historical and recent data to understand environmental patterns and ecological implications	Netherlands
		<b>Seca, A.M.L.</b>	Ana Perez Puerto	Search for active principles from macroalgae
	Hanna Doušová		Search for active principles from macroalgae	Czechia
	Laura Alarcón Pozo		Search for active principles from macroalgae	Spain
	Lidia Robaina		Search for active principles from macroalgae	Spain
	Lucia Amador Mateos	Search for active principles from macroalgae	Spain	
<b>Eurodissey</b>	<b>Soares, A.O. &amp; Raposo, V.</b>	Abril Olle Pujol	Study of the behavior of the predator <i>Rhyzobius lophantae</i> under heat stress	Spain
<b>Estagiar-L</b>	<b>Gabriel, R.</b>	Gabriela Melo da Silveira	<i>Estudos de Biodiversidade de briófitos dos Açores: São Jorge</i>	Portugal
	<b>Gabriel, R.</b>	Mariana Aguiar Sousa (*)	<i>Estudos de biodiversidade de Florestas nos Açores: Terceira, Flores e São Miguel</i>	Portugal

(\*) - Partnership with 'Associação Os Montanheiros'

In the period between 2006 and 2025, the funds obtained for academic or research grants remained relatively stable (Figure 2), although the provenance of the funding has changed over time.

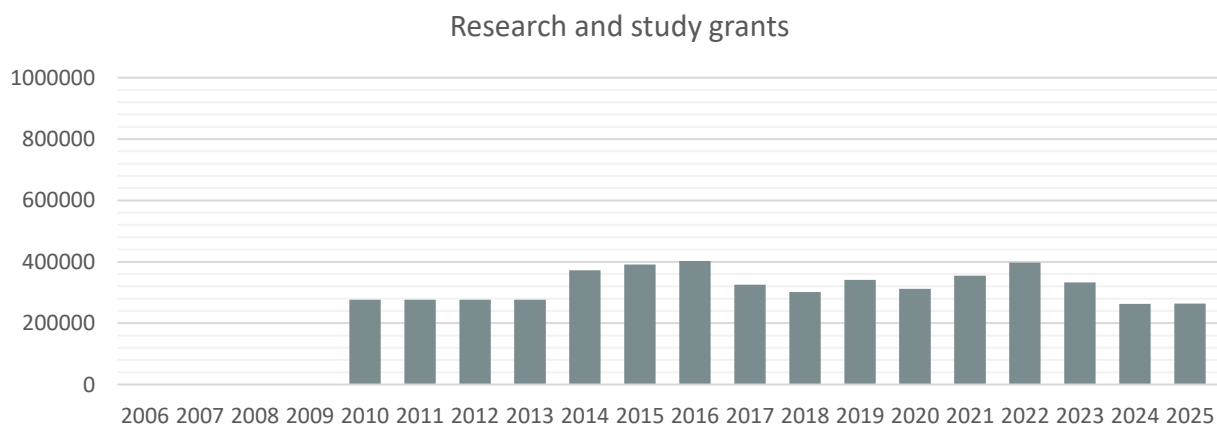


Figure 2. Total funding (in Euros) obtained in grants, mostly for Ph.D. and Post-Doc purposes, from 2010 to 2025.

The analysis of global funds acquired in projects and grants (Figure 3) inverts the declining trend observed in the previous year, reaching values close to those obtained in 2023.

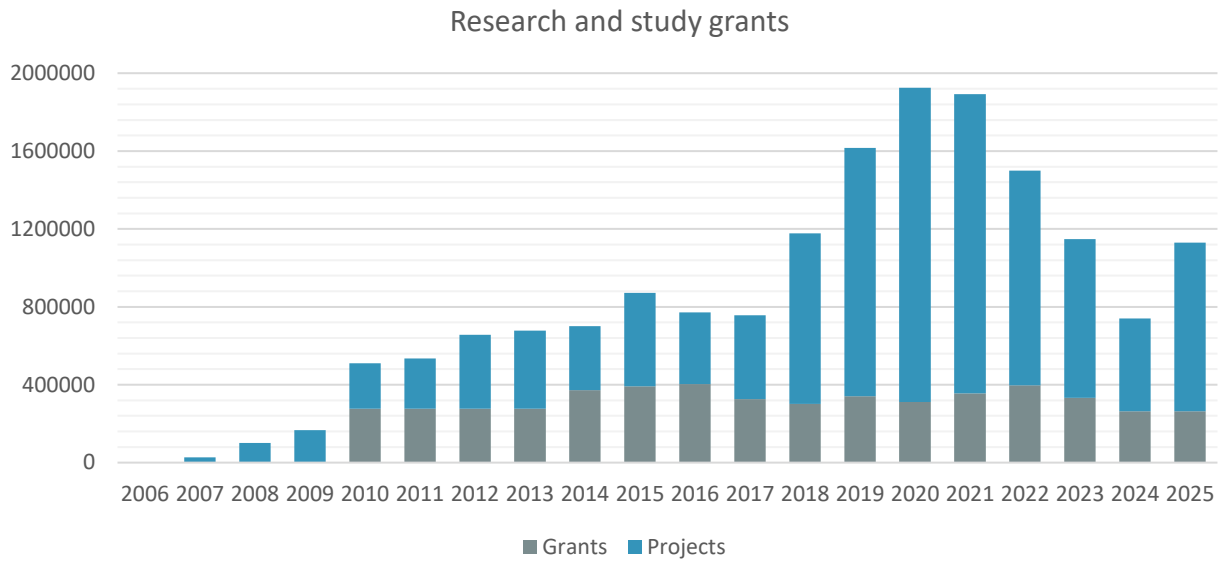


Figure 3. Annual research and study funding (in Euros) secured by the group between 2006 and 2025. Bars represent the total funding awarded per year (EUR), disaggregated into individual research and study grants (grey) and competitive research projects (blue).

In summary, between 2006 and 2025, the group secured a substantial and sustained volume of external funding through a combination of individual grants and competitive research projects (Figure 3). Funding levels increased steadily from the late 2000s, with a marked expansion from 2015 onwards, culminating in peak values around 2019–2021. This period reflects a strong capacity to attract large-scale project funding, which became the dominant contributor to total annual income. Although a decline is observed after 2022, funding levels remain consistently higher than those recorded prior to 2015, indicating long-term consolidation of the group’s research capacity and continued success in competitive funding schemes.

## 3-PUBLICATIONS IN 2025

### 3.1-SUMMARY DATA ON PUBLICATIONS

#### 3.1.1-Number of publications by integrated members in 2025 (135)

INTERNATIONAL PEER REVIEWED PAPERS (SCI Journals) = 58

OTHER PEER-REVIEWED PAPERS = 7

BOOKS = 3

BOOK CHAPTERS = 3

PROCEEDINGS OF SYMPOSIA (WITH ISBN) = 9

EDUCATION & OUTREACH PUBLICATIONS = 29

TECHNICAL REPORTS = 1

OTHER TYPE OF PUBLICATIONS = 25

#### 3.1.2-Number of publications by associate research fellows in 2025 (10)

INTERNATIONAL PEER REVIEWED PAPERS (SCI Journals) = 10

### 3.2-PUBLICATION ACHIEVEMENTS IN 2025

In 2025, the members working with GBA-CE3C generated data put out 135 publications (Figure 4; Appendix 2). Among these, 58 were published in international journals indexed in the Scopus System. The average Impact Factor of those 58 papers was  $3.07 \pm 2.83$  (max = 20.80; *Trends in Plant Science*). Notably, half of these publications (30 out of 58; 52.0%) were published in first quartile SCI journals, the top 25% of journals, indicating high visibility and impact.

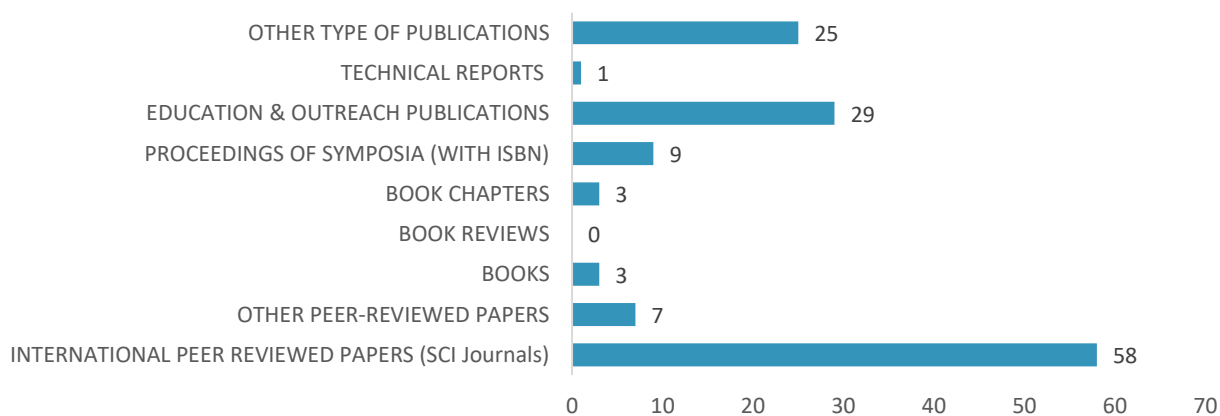


Figure 4. Distribution of scientific, technical, and outreach publications produced by the GBA-CE3C in 2025, categorised by publication type.

The 58 SCI publications were published across 38 different journals, with a strong emphasis on the *Biodiversity Data Journal*, which accounted for 13 publications, including 12 data papers. This output aligns with the group’s long-standing strategy of promoting the publication of open biodiversity data.

In 2025, on average, each integrated Ph.D. member of the group published about five publications each, with half of them being SCI papers. Additionally, seven (7) papers were published in peer-reviewed journals with no impact factor, as well as three (3) books and three (3) book chapters, nine (9) abstracts in Symposia Proceedings with ISBN, 29 education and outreach publications, one (1) technical report and 24 publications of other types, such as IUCN species files or sites, datasets, preprints, etc.. Our external collaborators enhanced our publication record with ten (10) SCI papers under the GBA-CE3C affiliation.

Table 4 presents the detailed publication output of integrated GBA-CE3C members in 2025. This includes Founding Integrated Members (who established the group), Full Integrated Members (those holding permanent positions at the University of the Azores), and Integrated Members (researchers affiliated with the group through collaboration contracts or active participation in its funded projects). Table 4 also includes publication outputs from staff members, PhD students, and those postdoctoral researchers who are no longer affiliated with GBA-CE3C but are completing publications based on data acquired and/or analysed during their time in the group (Former integrated member).

Table 4. Number of publications per researcher and publication type in 2025, excluding Associate Research Fellows.

Author	Authors Status	Article in SCI Journals	Article in non-SCI journals - international	Book	Book chapter	Proc. of Symposia - [SBN]	Technical Reports	Outreach publications	Other type of pub. - preprint	Other type of pub. - Dataset	Other type of pub. - IUCN species /sites file	Other type of publ. - Registered protocol	Other type of publ. - Edition of Proceedings	Total
<b>Borges, P.A.V.</b>	<i>Founding Integrated Member</i>	27	7			3	1	9	2	13	4	1		<b>67</b>
<b>Gabriel, R.</b>	<i>Founding Integrated Member</i>	11				8		4	1	4		1		<b>30</b>
<b>Amorim, I.R.</b>	<i>Integrated Member</i>	7			1			4	1	3				<b>16</b>
<b>Boeiro, M.</b>	<i>Integrated Member</i>	7		3	1	1		2	1	1				<b>16</b>
<b>Lhoumeau, S.</b>	<i>PhD student</i>	8						2	1	3				<b>14</b>
<b>Elias, R.B.</b>	<i>Founding Integrated Member</i>	3				3		4		3			1	<b>14</b>
<b>Barreto, M.C.</b>	<i>Full Integrated Member</i>	4			1	1		7						<b>13</b>
<b>Soares, A.O.</b>	<i>Founding Integrated Member</i>	5	3					1	1	2				<b>12</b>

Author	Authors Status	Article in SCI Journals	Article in non-SCI journals - international	Book	Book chapter	Proc. of Symposia - [SBN]	Technical Reports	Outreach publications	Other type of pub. - preprint	Other type of pub. - Dataset	Other type of pub. - IUCN species /sites file	Other type of publ. - Registered protocol	Other type of publ. – Edition of Proceedings	Total
Pereira, F.	Staff	4						4		3				11
Oyarzabal, G.	Integrated Member	5						1			4			10
Morgado, L.N.	Integrated Member	4				2		1		2				9
Seca, A.M.L.	Full Integrated Member	2			1	1		5						9
Pozsgai, G.	Former integrated member	7								1				8
Costa, R.	PhD student	7												7
Crespo, L.C.	Integrated Member	3						1		2				6
Arroz, A.M.	Founding Integrated Member	3						2						5
Garcia, P.V.	Founding Integrated Member	5												5
Barreiros, J.P.	Founding Integrated Member	2	1								2			5
Rosa, G.P.	Integrated Member	1			1	1		2						5
Andrade, R.	PhD student					2		1		1				4
Parmentier, L.	PhD student	3						1						4
Tavares, W.R.	PhD student	2			1	1								4
Borges, I.	Integrated Member	2						1						3
Calado, H.R.M.G.	PhD student	2								1				3
Lopes, D.H.	Founding Integrated Member	1	1						1					3

Author	Authors Status	Article in SCI Journals	Article in non-SCI journals - international	Book	Book chapter	Proc. of Symposia - [SBN]	Technical Reports	Outreach publications	Other type of pub. - preprint	Other type of pub. - Dataset	Other type of pub. - IUCN species /sites file	Other type of publ. - Registered protocol	Other type of publ. - Edition of Proceedings	Total
Silveira, G.M.	Grant					1				2				3
Tiengo, R.	Former member	3												3
Barcelos, L.D.	PhD student	2												2
Cancela, J.P.	PhD student	2												2
Melo, C.D.	Full Integrated Member	1						1						2
Sousa, M.A.	Grant					1		1						2
Uchôa, J.G.	Former member	2												2
Viveiros, M.M.	PhD student							2						2
Wallon, S.	Integrated Member	1							1					2
Almeida, B.	Former Ph.D. student	1												1
Fonseca, C.	Former integrated member	1												1
Picanço, A.	Integrated Member	1												1
Raposo, V.	PhD student	1												1
Ros-Prieto, A.	PhD student	1												1

Table 5, and Appendix 2.1, show the detailed output of documents published by GBA-CE3C associated research fellows in 2025. All the external collaborators promote the internationalization of the GBA, the CE3C, and the University of the Azores, and increase the visibility of the group.

Table 5. Number of publications per researcher and publication type in 2025, for associated research fellows.

Author	Authors Status	Article in SCI Journals	Article in non-SCI journals –	Book	Book chapter	Book review	Proc. of Symposia	Other type of publications	Outreach Publications	Technical Report	Total
Matthews, T.J.	Research fellow	5									9
Malumbres-Olarte, J.	Research fellow	6									6
Rigal, F.	Research fellow	4									4
Santos, A.M.C.	Research fellow	3						1			4
Lamelas-López, L.	Research fellow	1	1							1	3
Coelho, M.C.M.	Research fellow	2						1			3
Gil, A.	Research fellow	1									1
Silva, A.F.R.	Research fellow	1									1
Teixeira, D.	Research fellow							1			1
Tsafack, N.	Research fellow	1									1

The continuing contribution of Thomas Matthews, and Jagoba Malumbres-Olarte, is remarkable, authoring nine and six SCI papers, respectively, in 2025.

### 3.3-COMPARISON OF PUBLICATION RATE IN THE PAST YEARS

Upon analysing the number of SCI publications published with the affiliation of GBA-CE3C from 2006 to 2025 (Figure 5), there is a marked increase in the number of SCI-indexed publications, particularly after 2014.

Across the entire period, publications in Q1 journals consistently dominate, indicating a sustained emphasis on higher-impact outlets. While contributions in Q2 and Q3 journals also increase over time, Q4 papers remain comparatively limited. Overall, the trend reflects both an expansion in research output and a progressive shift towards publishing in higher-impact journals.

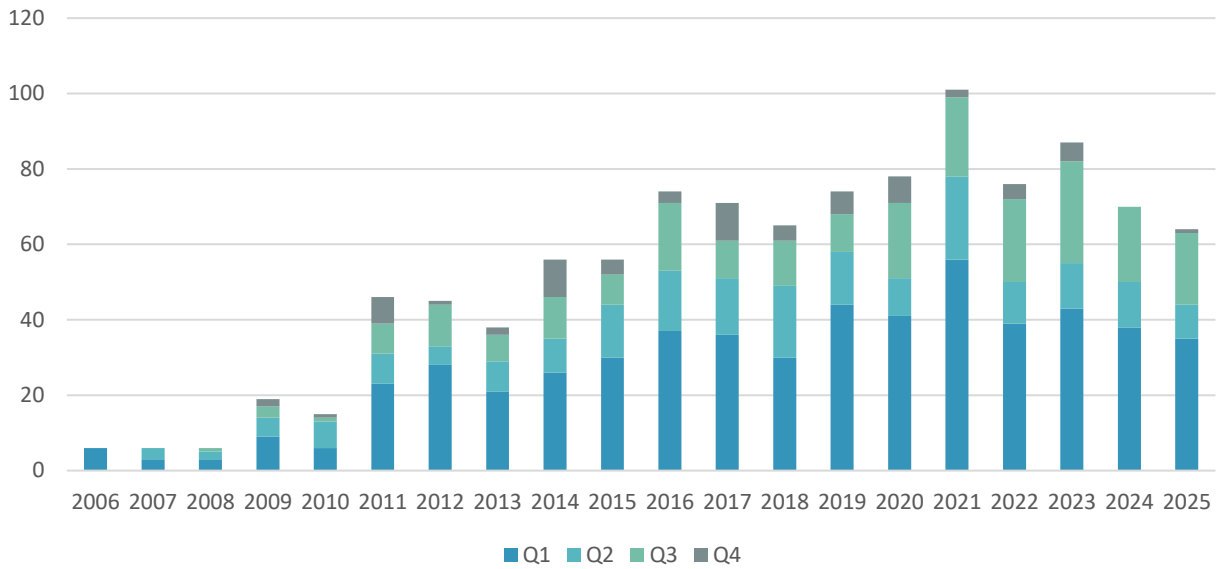


Figure 5. Temporal evolution of SCI-indexed publications by journal impact quartile (Q1–Q4), 2006–2025.

Observing the sum of the Journal Impact Factors over time (Figure 6), it is possible to recognize a first stage, from 2008 to 2015, where it remains lower, while the increase of members corresponds to sustained higher impact factor sum values. Average IF varied from 1.93 in 2008 to 3.25 in 2025. The publication in high impact-factor journals, such as *Science* (2022, 2024), *Trends in Ecology and Evolution* (2022) and *Trends in Plant Science* (2025) increases both the general average and the visibility of the group.

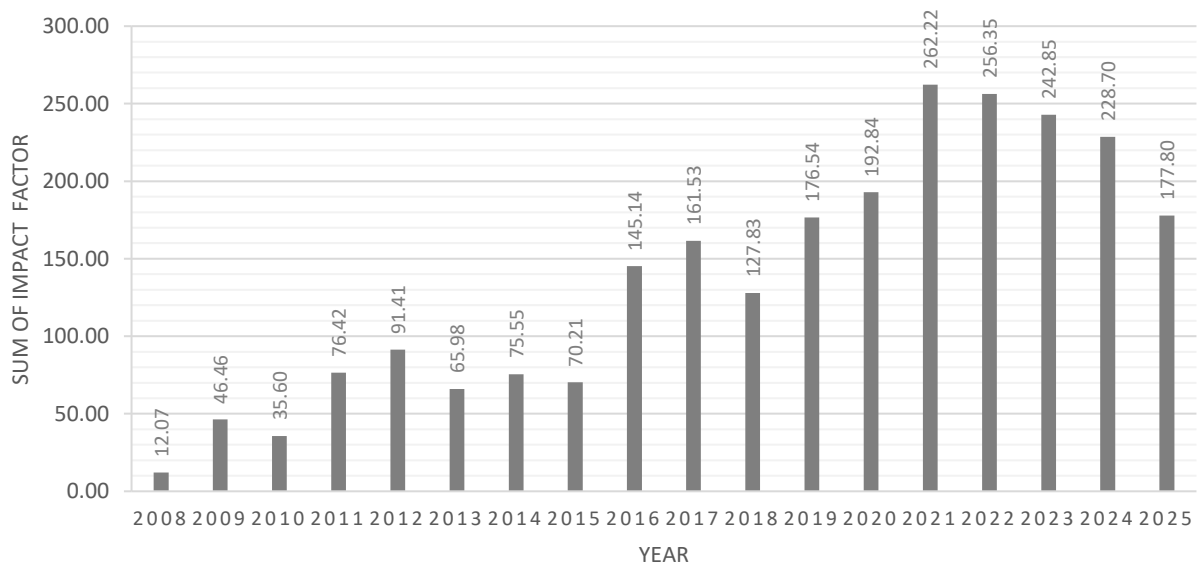


Figure 6. Summed Impact Factor in Journals of the SCI by integrated members in the period 2008-2025.

Besides the increase in publication in papers in SCI journals, the group has also increased the number of other indicators in the last decade (Table 6). Over the period from 2014 to 2025, a total of 2100 publications were produced, with about a third of them (n=676; 32.2%) being articles in journals with an impact factor.

Table 6. Distribution of publications by type produced by GBA-CE3C integrated members over the period 2014-2025.

Type	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
<b>SCI Journal with IF</b>	39	39	55	56	51	60	64	74	54	67	59	58	<b>676</b>
<b>Papers in Journals without IF</b>	13	16	16	19	15	7	11	10	8	4	6	7	132
<b>Books</b>	3	4	4	2	0	1	3	4	7	4	4	3	<b>36</b>
<b>Book Reviews</b>	2	1	4	0	0	1	0	0	0	1	0	0	<b>9</b>
<b>Chapters - Books</b>	3	4	14	9	3	9	3	3	7	145	268	3	<b>470</b>
<b>Papers Proceedings Symposia</b>	15	6	6	4	6	7	4	2	5	1	0	9	<b>65</b>
<b>Education &amp; Outreach Publications</b>	15	2	12	7	12	9	9	8	28	11	10	29	<b>151</b>
<b>Other Type of publications</b>	9	5	5	60	154	106	31	92	16	11	15	25	<b>528</b>
<b>Technical Reports</b>	0	5	6	1	6	2	2	1	1	7	1	1	<b>33</b>
<b>TOTAL</b>	<b>99</b>	<b>82</b>	<b>122</b>	<b>158</b>	<b>247</b>	<b>202</b>	<b>127</b>	<b>194</b>	<b>126</b>	<b>251</b>	<b>363</b>	<b>135</b>	<b>2101</b>

## 4-OUTREACH ACTIVITIES IN 2025

Besides organizing and attending scientific events (cf. Appendix 3), serving as editors of scientific journals (cf. section 4.1), the GBA-CE3C members share their research results with other stakeholders, including managers, teachers, students, photographers, etc. This results in organizing and participating in different initiatives, advertising them in the media (cf. section 4.2), and keeping web-based resources (cf. section 4.3).

### 4.1-SCIENTIFIC OUTREACH IN 2025

The GBA-CE3C members are actively engaged in different editorial roles, including as associate editors, members of editorial boards, guest or subject editors and reviewing editors for specialized journals. Through these activities, the group promotes rigorous scientific communication and enhances the visibility and impact of its research. Table 7 details the editorial work by GBA-CE3C members in 2025.

Table 7. Overview of scientific outreach achieved through editorial contributions by GBA-CE3C members in 2025.

Editorial function	Journal	Researcher(s)
<b>Associate Editor</b>	<i>BiolInvasions Records</i>	António Onofre Soares
	<i>Frontiers in Conservation Science</i>	João Pedro Barreiros
	<i>Frontiers in Ecology and Evolution</i>	António Onofre Soares
	<i>International Journal of Zoology</i>	João Pedro Barreiros
	<i>Phytoparasitica</i>	António Onofre Soares
	<i>The Scientific World Journal</i>	João Pedro Barreiros
<b>Member of the Editorial Board</b>	<i>BMC Ecology and Evolution</i>	António Onofre Soares
	<i>Bulletin of Insectology</i>	António Onofre Soares
	<i>CABI Agriculture and Bioscience</i>	António Onofre Soares
	<i>Community Ecology</i>	Paulo A.V. Borges
	<i>Conservation</i>	António Onofre Soares
	<i>Diversity</i>	João Pedro Barreiros, Paulo A.V. Borges, Rosalina Gabriel
	<i>Frontiers in Ecology and Conservation</i>	Paulo A.V. Borges
	<i>Insects</i>	Paulo A.V. Borges António Onofre Soares
	<i>International Journal of Zoology</i>	João Pedro Barreiros
	<i>The Scientific World Journal</i>	João Pedro Barreiros

Editorial function	Journal	Researcher(s)
Guest/ Subject Editor	<i>Biodiversity Data Journal: Azores Biota</i>	Paulo A.V. Borges, Rosalina Gabriel, António Onofre Soares, João Pedro Barreiros Rui Bento Elias
	<i>Biodiversity Data Journal: Plot-based Surveys of Island Biodiversity – the BIOMONI-PLOT Network</i>	Paulo A.V. Borges, Rosalina Gabriel
	<i>Biodiversity Data Journal: Linking FAIR biodiversity data through publications: The BiCIKL approach</i>	Paulo A.V. Borges
	<i>Diversity: Biodiversity in the Azores: A Whole Biota Assessment</i>	Paulo A.V. Borges, Rosalina Gabriel, João Pedro Barreiros
	<i>International Journal of Molecular Sciences: Recent Discovery and Mechanisms of Potential Anticancer Drugs</i>	Ana M.L. Seca
	<i>International Journal of Molecular Sciences: Phytochemical Insights and Green Extraction Strategies for Bioactive Natural Compounds</i>	Ana M.L. Seca, Gonçalo P. Rosa
	<i>Marine Drugs: Algae-Powered Skincare: Innovations in Marine-Derived Cosmeceuticals</i>	Gonçalo P. Rosa
Reviewing Editor	<i>Agronomy Journal</i>	David Horta Lopes
	<i>Ecotoxicology and Environmental Safety</i>	Patrícia Ventura Garcia

#### 4.2-PUBLIC AWARENESS ACTIVITIES IN 2025

In addition to the 29 science outreach publications prepared and published in various periodicals (cf. Appendix 2.5), GBA-CE3C researchers are engaged in a broad range of science awareness activities (Table 8). In 2025, these included invited lectures and training events; authorship of content displayed in exhibitions; interviews and articles in print and broadcast media (radio, television, and newspapers); participation in biodiversity conservation actions; and invited contributions to seminars and school-based events. These 59 activities contribute to the dissemination of scientific knowledge and the promotion of public engagement with science.

Table 8. Overview of public outreach activities conducted by GBA-CE3C members in 2025, including events, talks, news items, and other awareness-raising contributions. Data are presented in alphabetical order of authors and date.

Type	Awareness activities
Authorship / curatorship displayed in exhibition	1. Amorim, I.R. & Gabriel, R. (2025, March). Part of the virtual exhibition “A Singularidade de Maria Ramos”, organized by the Biblioteca Pública e Arquivo Regional Luís da Silva Ribeiro. Angra do Heroísmo.

Type	Awareness activities
Interview or article in the media	2. <b>Barreiros, J.P.</b> (2025, September 23). Entrevista ao jornal Diário Insular: Açores devem criar boas reservas costeiras. <i>Diário Insular</i> , p.5.
	3. <b>Barreiros, J.P.</b> (2025, October 24). Entrevista ao jornal Diário Insular: Açores integram rede mundial de áreas para tubarões e raias. <i>Diário Insular</i> , p.12.
	4. <b>Barreiros, J.P.</b> (2025, December 27). Entrevista ao programa da Rádio Voz dos Açores. <a href="https://www.vozdosacores.com/doparquemayer">https://www.vozdosacores.com/doparquemayer</a>
	5. <b>Garcia, P.V.</b> (2025, January 23). Program "Grande Reportagem - Glifosato: Avanços e retrocessos". Interview Antena 1: Link: <a href="https://www.rtp.pt/play/p12403/e824770/grande-reportagem">https://www.rtp.pt/play/p12403/e824770/grande-reportagem</a>
	6. <b>Soares, A.O.</b> (2024, December 28). Participação no programa da RTP Açores "Ahh! Ciência nos Açores", <a href="https://www.facebook.com/watch/?v=1024416002747464">https://www.facebook.com/watch/?v=1024416002747464</a> .
	Teaching in courses that do not confer an academic degree, training actions, workshops, etc.
8. <b>Lopes, D.H.</b> (2025, May 7). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário de São Miguel.	
9. <b>Lopes, D.H.</b> (2025, May 8). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário da Graciosa	
10. <b>Lopes, D.H.</b> (2025, May 8). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário da Graciosa	
11. <b>Lopes, D.H.</b> (2025, September 14). Palestra de Apresentação da Rede de Monitorização e Avisos Agrícolas dos Açores (RMAAA) – O caso da ilha de Santa Maria. III Bienal Agro Comercial (11-14 September 2025). Vila do Porto, Santa Maria.	
12. <b>Lopes, D.H.</b> (2025, May 10). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Agromariense, Vila do Porto, Santa Maria.	
13. <b>Lopes, D.H.</b> (2025, May 10). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Agromariense, Vila do Porto, Santa Maria.	
14. <b>Lopes, D.H.</b> (2025, September 23). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Associação Agrícola da ilha de São Jorge.	
15. <b>Lopes, D.H.</b> (2025, September 24). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Associação Agrícola da ilha de São Jorge.	
16. <b>Lopes, D.H.</b> (2025, September 25). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Associação Agrícola da ilha do Pico.	
17. <b>Lopes, D.H.</b> (2025, September 26). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Associação Agrícola da ilha do Pico.	
18. <b>Lopes, D.H.</b> (2025, September 28). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário do Faial.	
19. <b>Lopes, D.H.</b> (2025, September 29). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário do Faial.	
20. <b>Lopes, D.H.</b> (2025, September 30). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário do Corvo.	
21. <b>Lopes, D.H.</b> (2025, October 1). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário do Corvo.	

Type	Awareness activities
	22. <b>Lopes, D.H.</b> (2025, October 2). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário das Flores.
	23. <b>Lopes, D.H.</b> (2025, October 3). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário das Flores.
	24. <b>Lopes, D.H.</b> (2025, October 4). Formação agrícola: "Utilização sustentável dos produtos fitofarmacêuticos". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário da Terceira.
	25. <b>Lopes, D.H.</b> (2025, October 5). Formação agrícola: "Gestão de resíduos nas explorações agrícolas". Governo Regional dos Açores, Serviços de Desenvolvimento Agrário da Terceira.
<b>Organization of outreach and public engagement activities, including citizen science</b>	26. <b>Amorim, I.R.</b> (2025, June 18). Participation in the implementation of educational games regarding Azorean Biodiversity, at Escola Básica e Secundária Tomás de Borba in collaboration with Associação Os Montanheiros.
	27. <b>Amorim, I.R. &amp; Silveira, G.M.</b> (2025, June 26). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Lar de Idosos das Cinco Ribeiras / Centro Social e Paroquial de Nossa Senhora do Pilar das Cinco Ribeiras, Angra do Heroísmo, Terceira, Açores.
	28. <b>Amorim, I.R.</b> (2025, July 18). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at ATL COT - Golfinho, Angra do Heroísmo, Terceira, Açores.
	29. <b>Amorim, I.R. &amp; Torrent, J.A.</b> (2025, September 24). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", Lar de Idosos da Santa Casa da Misericórdia dos Altares, Angra do Heroísmo, Terceira, Açores.
	30. <b>Amorim, I.R. &amp; Andrade, R.</b> (2025, October 8). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Colégio O Golfinho, Angra do Heroísmo, Terceira, Açores.
	31. <b>Amorim, I.R. &amp; Silveira, G.M.</b> (2025, October 8). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Centro de convívio da Feteira, Angra do Heroísmo, Terceira, Açores.
	32. <b>Amorim, I.R. &amp; Pereira, F.</b> (2025, October 13). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Centro de convívio do Porto Judeu, Angra do Heroísmo, Terceira, Açores.
	33. <b>Amorim, I.R.</b> (2025, October 15). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Academia Oeste - Universidade Sénior, Santa Bárbara, Angra do Heroísmo, Terceira, Açores.
	34. <b>Amorim, I.R. &amp; Silveira, G.M.</b> (2025, October 16). Touring conversation "Mais viver mais aprender, os bichos como nunca os viu", at Centro de convívio de São Pedro, Angra do Heroísmo, Terceira, Açores.
	35. <b>Amorim, I.R.</b> (2025, August 7-29). Participation in the organization of the photo exhibition "Mosca-da-fruta: arte & ciência - redescobrir a Angrense Maria Ramos", at Biblioteca Pública e Arquivo Regional Luís da Silva Ribeiro, Angra do Heroísmo, Terceira, Açores.
	36. <b>Amorim, I.R. &amp; Leal, C.</b> (August 05). Organization and implementation of the Workshop "Corrida Genética - uma aventura com AND de mosca-da-fruta", at Biblioteca Pública e Arquivo Regional Luís da Silva Ribeiro, Angra do Heroísmo, Terceira, Açores.
	37. <b>Silveira, G.M., Andrade, R., Borges, P.A.V.,</b> Esquinas Ventura, M., Gómez López, Y., Lago, A., Laguna Fernandes, J. L., Massard, C., Péron, G., Petrone, A., Reverón Goraia, N., Serrano Navarro, L., Torres Expósito, A., Vedovelli, A., Vounatsi, M., & <b>Gabriel, R.</b> (2025, May 8). Invasive species on Terceira Island: In-person monitoring activity of the life cycle of invasive species using the SW Maps application during the "Semana sobre Espécies Invasoras   Semana de las Especies Invasoras". GBA-CE3C, Azorean Biodiversity Group. <a href="https://gba.uac.pt/">https://gba.uac.pt/</a>
	38. <b>Boeiro, M.</b> (2025, September 26). "Polinizadores: pequenos em tamanho, mas GIGANTES na sua importância" sobre a importância ecológica dos polinizadores. Noite Europeia dos Investigadores, Museu Nacional de História Natural e da Ciência, Lisboa.

Type	Awareness activities
	<p>39. <b>Boeiro, M.</b> (2025, June 2). “Os nossos amigos polinizadores” sobre a diversidade e ecologia dos polinizadores de Portugal. Liga para a Proteção da Natureza, Lisboa.</p>
	<p>40. <b>Boeiro, M.</b> (2025, October 18). “Pequenos seres com grande impacto” actividade de divulgação sobre a biodiversidade e conservação deste grupo de animais, ObservaLagunas, Santo André, <a href="https://www.cm-santiagocacem.pt/evento/observalagunas-2025/">https://www.cm-santiagocacem.pt/evento/observalagunas-2025/</a></p>
	<p>41. <b>Boeiro, M.</b> (2025, October 19). “Insetos” actividade de divulgação sobre a ecologia de insectos, ObservaLagunas, Santo André, <a href="https://www.cm-santiagocacem.pt/evento/observalagunas-2025/">https://www.cm-santiagocacem.pt/evento/observalagunas-2025/</a>.</p>
	<p>42. <b>Silveira, G.M., &amp; Gabriel, R.</b> (April 23, 2025). Monitoring <i>Campylopus introflexus</i> - Açores / Azores [iNaturalist Project]. iNaturalist. <a href="https://www.inaturalist.org/projects/monit-campylopus-introflexus-aco-res-azores">https://www.inaturalist.org/projects/monit-campylopus-introflexus-aco-res-azores</a></p>
	<p>43. <b>Soares, A.O.</b> (2025, May 25) Palestra proferida no âmbito do Dia Internacional da Biodiversidade. Evento organizado pela Câmara Municipal da Riberira Grande, (<a href="https://www.cm-ribeiragrande.pt/dia-internacional-da-biodiversidade">https://www.cm-ribeiragrande.pt/dia-internacional-da-biodiversidade</a>): Soares, A.O. (2025). Os polinizadores: serviços ecossistémicos e ameaças.</p>
Participation in outreach and public engagement activities, including citizen science	<p>44. <b>Amorim, I.R.</b> (2025, April). Participation in the production of the video "Maria Ramos, da arte à ciência", OAA-CCAH" (<a href="https://www.youtube.com/watch?v=k-vYNIZ-9tc&amp;t=3s">https://www.youtube.com/watch?v=k-vYNIZ-9tc&amp;t=3s</a>)</p>
	<p>45. <b>Amorim, I.R.</b> (2025, May 30). Participation in the celebrations of "Dia da Criança" in Angra do Heroísmo implementating educational games regarding Azorean Biodiversity In Angra do Heroísmo in collaboration with Associação Os Montanheiros, Terceira, Açores.</p>
	<p>46. <b>Barreiros, J.P.</b> (2025, January 10). “Uma breve visão da biodiversidade marinha dos Açores”. Comunicação por ocasião do lançamento em Angra do Heroísmo do livro “Guia Prático da Flora e Fauna Marinha dos Açores”. Sede da Associação “Os Montanheiros”, Angra do Heroísmo.</p>
	<p>47. <b>Barreiros, J.P.</b> (2025, January 17). “Comunicação entre plantas e animais ou como nos tornámos Homo sapiens quando percebemos as mensagens das plantas”. Palestra convidada às conferências da Livraria Lar Doce Livro. Angra do Heroísmo.</p>
	<p>48. <b>Barreiros, J.P.</b> (2025, January 31). “Breves notas sobre poluição marinha”. Palestra convidada destinada aos alunos do curso de Técnicos Auxiliares de Farmácia, Escola Profissional da Santa Casa da Misericórdia de Angra do Heroísmo.</p>
	<p>49. <b>Barreiros, J.P.</b> (2025, February 4). “Uma breve visão da biodiversidade marinha dos Açores”. Comunicação por ocasião da apresentação na Livraria Lar Doce Livro do livro “Guia Prático da Flora e Fauna Marinha dos Açores”. Angra do Heroísmo.</p>
	<p>50. <b>Barreiros, J.P.</b> (2025, July 5). “Em busca do predador ideal: Décadas de viagem de investigação pelo Mundo”. Palestra convidada às conferências da Livraria Lar Doce Livro. Angra do Heroísmo.</p>
	<p>51. <b>Barreiros, J.P.</b> (2025, November 8). “Os recifes de Coral ultrapassaram o ponto de não-retorno? O Planeta entra numa nova fase de colapso climático?”. Debate por convite às “eco-conversas” da Livraria Lar Doce Livro. Angra do Heroísmo.</p>
	<p>52. <b>Barreiros, J.P.</b> (2025, December 6). “Um barómetro no Rio das Pérolas”. Debate por convite às “Bric-a-Brac talks” da Livraria Lar Doce Livro. Angra do Heroísmo.</p>
	<p>53. <b>Borges, P.A.V. &amp; Gabriel, R.</b> (2025, January 19). Lançamento em Angra do Heroísmo do livro “Guia Prático da Flora e Fauna Marinha dos Açores”. Sede da Associação “Os Montanheiros”, Angra do Heroísmo.</p>
	<p>54. <b>Gabriel, R.</b> (2025, January 28). Zonas húmidas: Briófitos – indicadores de qualidade ambiental. Palestra convidada por ocasião do SEMINÁRIO “ZONAS HÚMIDAS: PROTEGER PARA UM FUTURO EM COMUM”, Academia da Juventude e das Artes da Ilha Terceira, Praia da Vitória.</p>

Type	Awareness activities
	55. <b>Gabriel, R.</b> (2025, March 12). Briófitos e Sustentabilidade: Conservação de espécies indicadoras de qualidade ambiental. Palestra convidada por ocasião do 1º Webinar do projeto BIO4ALL - Biodiversity on the Islands 4 all. ASPEA, evento online.
	56. <b>Gabriel, R.</b> (2025, March 14). Diversity at risk. Palestra de apresentação do "Final workshop of the MacRisk Project". Universidade dos Açores, Angra do Heroísmo.
	57. <b>Gabriel, R.</b> (2025, May 19). Campus de Integração: a experiência do GBA. Programa Escola de Integração, Direção Regional das Comunidades do Governo dos Açores & Universidade dos Açores, Angra do Heroísmo.
	58. <b>Silveira, G.M. &amp; Amorim, I.R.</b> (2025, June 3-5). Participation in the "VIII Feira de Ambiente" as GBA-CE3C representatives involved in the implementation of educational games regarding Azorean Biodiversity at Academia da Juventude e das Artes da Ilha Terceira, Praia da Vitória, Terceira, Açores.
	59. <b>Lopes, D.H.</b> (2025). Formação agrícola: "Agricultura de precisão"

Among these activities, the Agricultural Training (*Formação Agrícola*), held on the nine islands of the Azores, and taught by Prof. David Horta Lopes, stands out as one of the most important services to society performed by the Azorean Biodiversity Group in 2025.

#### 4.3-WEB-BASED RESOURCES RUNNING IN 2025

Several web-based resources run in 2025, supervised by different GBA-CE3C members, as presented below, in alphabetical order.

1. **AGRO-FOR-CARE** – Agroforestry Ecology in Islands (<https://gba.uac.pt/team/AGRO>)
2. **AIISG** - IUCN SSC Atlantic Island Invertebrates Specialist Group (<https://www.aiisg.net/>)
3. **Azorean Biodiversity Group Page** (<http://www.gba.uac.pt/>)
4. **Azores Bioportal** (<http://azoresbioportal.uac.pt/pt/>)
5. **ECCB** (<https://uia.org/s/or/en/1122279366>)
6. **EHI** – Environmental Health on Islands (<https://gba.uac.pt/team/EHI>)
7. **ERGA** (<https://www.erga-biodiversity.eu/>)
8. **Field Guide** – Pergunta ao cientista, Audio podcast. SoundCloud. (<https://soundcloud.com/field-guide-362856827/tracks>)
9. **IBBC** – Biodiversity, Biogeography, and Conservation in Islands (<https://gba.uac.pt/team/IBBC>)
10. **IBIG** - Island Biology Interest Group (<http://www.ibigbiology.com/>)
11. **ISLAND LAB** (<http://islandlab.uac.pt/>)
12. **Joaninhas dos Açores** – Projeto Ciência Cidadã (<https://joaninhasdosacores.com/>)
13. **NAT-PROD-APPL** – Natural Products and Applications (<https://gba.uac.pt/team/NPA>)
14. **POLLI.NET** – Rede Colaborativa para a Avaliação, Conservação e Valorização dos Polinizadores e da Polinização (<https://www.pollinet.pt/>)
15. **Termites of the Azores** (<http://sostermitas.angra.uac.pt>)

## 5-SCIENTIFIC MISSIONS IN THE AZORES IN 2025

Field scientific missions are one of the core activities of the Azorean Biodiversity Group. These missions are fundamental for documenting biodiversity, detecting ecological change, and generating the high-quality data to support conservation strategies and evidence-based decision-making. Over the years, GBA-CE3C has conducted numerous systematic sampling campaigns and is involved in long-term monitoring programmes of species and habitats across all islands of the Azores, as well as in the surrounding marine environment.

Table 9 summarises the four field expeditions regarding the organization and participation in scientific missions organized by and/or including members of the Azorean Biodiversity Group in 2025.

Table 9. Organization and participation of field scientific missions in 2025. Information is organized by date.

Local	Date	PI	GBA-CE3C Members	Project	Short description
<b>Flores Island</b>	2025, June 28 to July 5	Rui Bento Elias & Rosalina Gabriel	Rui Andrade Mariana Aguiar Sousa Leila Nunes Morgado	BioMonI-FLO	Resampling of information and herbarium records on bryophytes and vascular plants on the MOVECLIM permanent plots on Flores Island, established in 2013.
<b>São Miguel Island</b>	2025, July 19 to 27	Rui Bento Elias & Rosalina Gabriel	Rui Andrade Mariana Aguiar Sousa Leila Nunes Morgado	BioMonI-SMG	Resampling of information and herbarium records on bryophytes and vascular plants on the MOVECLIM permanent plots on São Miguel Island, established in 2013.
<b>São Miguel Island</b>	2025, July 21 to 27	Paulo A.V. Borges	António Onofre Soares	PRIBES-SMG	Collection of information on arthropods in São Miguel Island, using the PRIBES Protocol to capture introduced and alien species.
<b>Terceira Island</b>	2025, August 31 to September, 7	Fleur Visser	Luís D. Barcelos	Deep-sea prey and hunting whales 2025 (64PE548)	Collection of information regarding deep-sea hunting whales and cephalopods.  The scientific team on this research cruise consisted of 12 members of 4 nationalities, belonging to 7 universities/institutes.

## 6-AWARDS & DISTINCTIONS IN 2025

In 2025, members of the Azorean Biodiversity Group received several awards and distinctions in recognition of their scientific excellence, professional achievements, and contributions to biodiversity research. Table 10 highlights the awards received by Ph.D.'s, while Table 11 reports the awards received by Ph.D. students and others.

Table 10. Overview of awards received by PhD graduates, detailing the recipient, award, date, place, and a brief description.

Recipient	Date	Place	Awarding body	Award	Description
<b>Bruna Almeida</b>	2025, October 22	Fundação Gaspar Frutuoso, Ponta Delgada, São Miguel, Azores	FGF – Fundação Gaspar Frutuoso	Scientific Merit Award   <i>Prémio de Mérito Científico</i>	Awarded to the best paper of the University of the Azores published in 2025 (Journal: <i>Science of Total Environment</i> )

Table 11. Overview of awards received by BSc graduates, MS and PhD students, detailing the recipient, award, date, place, and a brief description.

Nominee	Date	Place	Awarding body	Award	Description
Gabriela Melo da Silveira	2025, September 26	Angra do Heroísmo Terceira, Azores	6 <sup>th</sup> Flora-Mac Scientific Board	Ana Neto and David Bramwell Award - Poster	Awarded to the best student poster presented at the 6 <sup>th</sup> Flora-Mac Symposium, recognising scientific excellence and visual communication.
Hugo Renato Marques Garcia Calado	2025, October 11	Ponta Delgada, São Miguel, Azores	11 <sup>th</sup> Frontiers in E3 Scientific Board	11 <sup>th</sup> Frontiers in E3 Honourable Mention - Poster	Honourable Mention awarded to a student poster at the 11 <sup>th</sup> CE3C Annual Meeting on Ecology, Evolution and Environmental Changes, recognising high scientific quality and merit.
Lucie Fatková	2025, September 26	Angra do Heroísmo Terceira, Azores	6 <sup>th</sup> Flora-Mac Scientific Board	Ana Neto and David Bramwell Award - Talk	Awarded ( <i>ex aequo</i> ) to the best student oral presentation at the 6 <sup>th</sup> Flora-Mac Symposium, scientific excellence and effective communication.
Raúl Miguel Oliveira	2025, January 20	Angra do Heroísmo Terceira, Azores	University of the Azores	Academic Merit Award - University of the Azores	Awarded to the student with the highest final average grade in the Master's programme in Nature Management and Conservation.
Sébastien Lhoumeau	2025, May 19	Horta, Faial, Azores	University of the Azores & OKEANOS	Three Minute Thesis (3MT <sup>®</sup> ) Award	1st place in the final of the inaugural edition of the 3MT <sup>®</sup> competition, awarded for excellence in communicating research clearly and concisely to a non-specialist audience.

Nominee	Date	Place	Awarding body	Award	Description
Sébastien Lhoumeau	2025, October 11	Ponta Delgada, São Miguel, Azores	11 <sup>th</sup> Frontiers in E3 Scientific Board	11 <sup>th</sup> Frontiers in E3 Award - Talk	Awarded to the best student oral presentation at the 11th CE3C Annual Meeting on Ecology, Evolution and Environmental Changes, recognising scientific excellence and effective communication.

## APPENDIX 1-INFORMATION ON PROJECTS<sup>1</sup>

### APPENDIX 1.1-FUNDED RESEARCH PROJECTS (16)

#### International research projects with financial support to GBA-CE3C (9)

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##### 1. **ALSEMAC** - ALIMENTOS SEGUROS, SALUDABLES Y SOSTENIBLES PRODUCIDOS EN UN MARCO DE ECONOMIA CIRCULAR EFICIENTE QUE GARANTICE LA SOBERANÍA ALIMENTARIA PAR UN CONSUMO RESPONSABLE EM LA MACARONESIA (2024-2028)

Coordination: Ángel José Gutiérrez Fernández (Universidad de La Laguna, Spain)

GBA-CE3C coordination: **David Horta Lopes** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: David Horta Lopes (PI), Teresa Madeira

Funding Institution: European Commission.

Total budget: 4'976'790.72 EUR

Budget for the GBA: 221'054.00 EUR

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##### 2. **ARCADE** - ALIGNING REFERENCE COLLECTIONS AND TAXONOMIC DEVELOPMENT EFFORTS FOR POLLINATOR CONSERVATION IN PORTUGAL (2024-2025)

Coordination: Sílvia Castro (Centro de Ecologia Funcional - Universidade de Coimbra).

GBA-CE3C coordination: Mário Boieiro & Paulo A.V. Borges (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Mário Boieiro & Paulo A.V. Borges (Universidade dos Açores - GBA-CE3C).

Funding Institution: European Commission: HORIZON IA - Innovation Action / TETTRIs Transforming European Taxonomy through Training, Research and Innovations.

Total budget: 4'976'790.72 EUR

Budget for the GBA: 12'000.00 EUR

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##### 3. **BIOMONI** - BIODIVERSITY MONITORING OF ISLAND ECOSYSTEMS (2024-2027)

Coordination: Holger Kreft (University of Göttingen).

GBA-CE3C coordination: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges (PI), Rosalina Gabriel, Rui Bento Elias, Leila Nunes Morgado.

Funding Institution: EU BIODIVERSA plus.

Budget for the GBA: 79.755,00 Euros.

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<sup>1</sup> In each category, projects are presented in alphabetical order of their acronym.

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#### 4. **COMCHA** - COMMUNITY-BASED CHANGE: LOCAL AND TRADITIONAL KNOWLEDGES IN NBS (2025-2028)

Coordination: Beatriz Caitana Silva (Universidade de Coimbra, Centro de Estudos Sociais [CES]).

GBA-CE3C coordination: **David Horta Lopes** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: David Horta Lopes (PI), Teresa Madeira

Funding Institution: European Commission: INTERREG MAC 2021-2027.

Total budget: 1'553'000.00 EUR

Budget for the GBA: 100.000,00 Euros.

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#### 5. **DARCO** - THE VERTICAL DIMENSION OF CONSERVATION: A COST-EFFECTIVE PLAN TO INCORPORATE SUBTERRANEAN ECOSYSTEMS IN POST-2020 BIODIVERSITY AND CLIMATE CHANGE AGENDAS (2023-2026)

Coordination: Stefano Mammola (Water Research Institute (IRSA), National Research Council (CNR), Italy

GBA-CE3C coordination: Paulo A.V. Borges (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges (PI), Isabel R. Amorim, Rosalina Gabriel, Fernando Pereira & Luís Crespo

Funding Institution: European Commission: EU – BIODIVERSA.

Total budget: 1'652'031.00 EUR

Budget for the GBA: 99'536.00 EUR

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#### 6. **DUNGPOOL** - EFFECTS OF SPECIES POOL AND COMMUNITY ASSEMBLY PROCESSES ON DUNG BEETLE DIVERSITY AND ECOSYSTEM FUNCTIONS IN A WARMING WORLD (2022-2025)

Coordination: Ana M.C. Santos (Universidade Autónoma de Madrid, Spain).

GBA-CE3C coordination: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges (PI) & François Rigal (University of Pau, France).

Funding Institution: Ministerios de Ciencia e Innovación (Spain): Agencia Estatal de Investigación.

Total budget: 176.000,00 Euros.

Budget for the GBA: 15.000,00 Euros.

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#### 7. **NATUR-EXT** - RENEWABLE BIOLOGICAL NATURAL RESOURCES AS A SOURCE OF EXTRACTION COMPOUNDS TO DEVELOP INDUSTRY, SCIENCE AND TECHNOLOGY, WITHIN A FRAMEWORK OF CIRCULAR ECONOMY AND ECOLOGICAL SUSTAINABILITY (2024-2028)

Coordination: Abenchara Betancor Abreu (Instituto Tecnológico de Canarias).

GBA-CE3C coordination: **Maria do Carmo Barreto** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Maria do Carmo Barreto (PI), Ana M.L. Seca & Gonçalo P. Rosa (Universidade dos Açores - GBA-CE3C).

Funding Institution: FEDER, Interreg Mac 2021-2027 (85%), DRCT (15%).

Total budget: 3'475'136.16 EUR

Budget for the GBA: 199'226.95 EUR

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8. **PESTDISPLAT\_2CAP** - PLATFORMS FOR RECORDING AND MODELLING PESTS AND DISEASES AFFECTING CROPS IN MACARONESIA | PLATAFORMA COM LISTAGEM E DADOS DE MONITORIZAÇÃO DE PRAGAS E DOENÇAS QUE AFETAM AS PRINCIPAIS CULTURAS NA REGIÃO MACARONÉSICA (2025-2027)

Coordination: David Horta Lopes (Universidade dos Açores - GBA-CE3C).

GBA-CE3C coordination: **David Horta Lopes** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: David Horta Lopes (PI), Teresa Madeira, pós-doc a contratar.

Funding Institution: INTERREG MAC 2021-2027 Capitalização FEDER (85%), DRCT (15%).

Total budget: 412'589.23 EUR

Budget for the GBA: 293'330.61 EUR

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9. **ROTATES** - MINOR ROOT AND TUBER CROPS FOSTERING AGROBIODIVERSITY AND ECOSYSTEM SERVICES (2025-2029)

Coordination: Hana Chair (*Centre de Cooperation Internationale en Recherche Agronomique pour le Developpement* - C.I.R.A.D. EPIC).

GBA-CE3C coordination: **David Horta Lopes** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: David Horta Lopes (PI), Teresa Madeira, post-doc.

Funding Institution: EU - HORIZON RIA.

Total budget: 5'250'526.50 EUR

Budget for the GBA: 158'600.00 EUR

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**National research projects with financial support to GBA-CE3C (3)**

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1. **MACRISK** - TRAIT-BASED PREDICTION OF EXTINCTION RISK AND INVASIVENESS FOR NORTHERN MACARONESIAN ARTHROPODS (2022-2025)

Coordination: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges (PI), Rosalina Gabriel, Mário Boieiro, Isabel R. Amorim & Guilherme Oyarzabal da Silva (Universidade dos Açores - GBA-CE3C).

Other participants: Pedro Cardoso (Finnish Museum of Natural History, University of Helsinki, Finland), François Rigal (University of Pau, France), Ana M.C. Santos (Universidade Autònoma de Madrid, Spain) and Jagoba Malumbres-Olarte (Independent researcher, Toulouse, France).

Project's consultants: Kostas Triantis (Department of Ecology and Taxonomy, Faculty of Biology, National & Kapdistrian University of Athens, Greece), Axel Hochkrich (Trier Centre for Biodiversity Conservation of the University Trier, Germany) and Michael Samways (Department of Conservation Ecology & Entomology, Stellenbosch University, South Africa).

Funding Institution: Fundação para a Ciência e Tecnologia.

Total budget: 206'486.03 EUR

Budget for the GBA: 206'486.03 EUR.

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## 2. PolinizAÇÃO - PLANO DE AÇÃO PARA A CONSERVAÇÃO E SUSTENTABILIDADE DOS POLINIZADORES (2023-2025)

Coordination: Sílvia Castro (Universidade de Coimbra, Centro de Ecologia Funcional).

GBA-CE3C coordination: **Mário Boieiro**

GBA-CE3C team: Paulo A.V. Borges & Mário Boieiro (Universidade dos Açores - GBA-CE3C).

Funding Institution: Fundo Ambiental.

Total budget: 350'000.00 EUR

Budget for the GBA: 15'000.00 EUR

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## 3. RUGOFIX - ECONOMIC VALORISATION OF THE INVASIVE SEAWEED RUGULOPTERYX OKAMURAE USING A CIRCULAR APPROACH | VALORIZAÇÃO ECONÓMICA DA ALGA INVASORA RUGULOPTERYX OKAMURAE UTILIZANDO UMA ABORDAGEM DE CIRCULARIDADE (2025-2028)

Coordination: Maria Teresa Ferreira Cesário (Universidade de Lisboa, Faculdade de Ciências e Tecnologia).

GBA-CE3C coordination: **Maria do Carmo Barreto**

GBA-CE3C team: Maria do Carmo Barreto (PI), Ana M.L. Seca (Universidade dos Açores - GBA-CE3C).

Funding Institution: LISBOA2030 - FEDER.

Total budget: 350'000.00 EUR

Budget for the GBA: 15'000.00 EUR

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### Regional research projects with financial support to GBA-CE3C (4)

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#### 1. BioMUST4All - INNOVATIVE AND INCLUSIVE WAYS OF EXPERIENCING AZOREAN BIODIVERSITY | EXPERIENCIAR A BIODIVERSIDADE NOS AÇORES DE FORMA INOVADORA E INCLUSIVA (2025-2028)

Coordination: Rosalina Gabriel (Universidade dos Açores - GBA-CE3C)

GBA-CE3C coordination: **Rosalina Gabriel** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Rosalina Gabriel (PI), Ana Moura Arroz, João Pedro Barreiros, Paulo A.V. Borges, Rui Bento Elias, Isabel R. Amorim (Universidade dos Açores - GBA-CE3C).

Funding Institution: ACORES2030-2024-11 (Açores 2030 – Portugal 2030 – Cofinanciado pela União Europeia).

Budget for the GBA: 402'723.00 EUR.

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## 2. **FISH ASSEMBLAGES - THE ROLE OF FUNCTIONAL TRAITS IN STRUCTURING FISH ASSEMBLAGES ACROSS THE MACARONESIA ARCHIPELAGOS (2025)**

Coordination: Luis Duarte Barcelos (Universidade dos Açores - GBA-CE3C)

GBA-CE3C coordination: **Luis Duarte Barcelos** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Luís Duarte Barcelos (PI), João Pedro Barreiros (Universidade dos Açores - GBA-CE3C).

Funding Institution: Direção Regional da Ciência, Inovação e Desenvolvimento.

Budget for the GBA: 2.000,00 Euros.

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## 3. **LIGFISH - ABORDAGENS INOVADORAS AO CONCEITO DE LIGAND FISHING: DESCOBERTA DE MOLÉCULAS NATURAIS BIOATIVAS PARA UM BEM-ESTAR AUMENTADO (2025-2008)**

Coordination: Gonçalo P. Rosa (Universidade dos Açores - GBA-CE3C)

GBA-CE3C coordination: **Gonçalo P. Rosa** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Gonçalo P. Rosa (PI), Maria do Carmo Barreto & Ana M.L. Seca (Universidade dos Açores - GBA-CE3C).

Funding Institution: ACORES2030-2024-13 - Excelência da Investigação na RAA - Jovens.

Budget for the GBA: 160'740.00 EUR.

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## 4. **MAIS VIVER, MAIS APRENDER - OS BICHOS COMO NUNCA OS VIU (2024-2025)**

Coordination: Isabel R. Amorim (Universidade dos Açores - GBA-CE3C)

GBA-CE3C coordination: **Isabel R. Amorim** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Isabel R. Amorim (PI), Ana Moura Arroz & Paulo A.V. Borges (Universidade dos Açores - GBA-CE3C).

Funding Institution: Direção Regional da Ciência, Inovação e Desenvolvimento.

Budget for the GBA: 2.490,00 Euros.

## APPENDIX 1.2-UNFUNDED RESEARCH PROJECTS (11)

### International research projects without financial support to GBA-CE3C (7)

#### 1. **FORESTFISHER** - PRIORITY AREAS FOR CONSERVATION AND RESTORATION OF AMAZONIAN FOREST-FRUGIVOROUS FISH INTERACTIONS AND ASSOCIATED FISHERIES (2022-2025)

Coordination: Pablo A. Tedesco (Laboratoire Evolution et Diversité Biologique, EDB) & Marcelo Rodrigues dos Anjos (Universidade Federal do Amazonas).

GBA-CE3C team: **João Pedro Barreiros** (Universidade dos Açores - GBA-CE3C).

Funding Institution: European Commission: BiodivRestore Transnational Cofund Call 2020-2021 - BiodivRestore-802.

Total budget: 780'638.00 EUR

Budget for the GBA: In kind compensation - network.

#### 2. **IPM-POPILLIA** - INTEGRATED PEST MANAGEMENT OF THE INVASIVE JAPANESE BEETLE (2022-2025)

Coordination: Giselher Grabenweger (Agroscope Standort Reckenholz, Zurich).

GBA-CE3C coordination: Nelson José de Oliveira Simões (Universidade dos Açores, DB)

GBA-CE3C team: António Onofre Soares (Universidade dos Açores - GBA-CE3C).

Funding Institution: European Commission: EU 2020.

Budget for the GBA: In kind compensation.

#### 3. **ISLAND EXTINCTIONS** - ISLAND EXTINCTIONS IN THE PAST (AND FUTURE) (2024-2026)

Coordination: Michael Krabbe Borregaard (Universidade de Copenhaga).

GBA-CE3C team: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

Funding Institution: Carlsberg Foundation.

Total budget:

Budget for the GBA: In kind compensation – missions and network.

#### 4. **MICROCLI-MAC** - TECNOLOGIA E GESTÃO INTELIGENTE DE MICROCLIMAS PARA ADAPTAÇÃO ÀS MUDANÇAS CLIMÁTICAS NA MACRO REGIÃO DA MACARONÉSIA E NOS PAÍSES TERCEIROS AFRICANOS (2024-2028)

Coordination: Elizabeth Olival (AREAM – Agência Regional da Energia e Ambiente da Região Autónoma da Madeira)

GBA-CE3C coordination: Tomás P. Dentinho & **Rosalina Gabriel** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Rosalina Gabriel

Funding Institution: European Commission: INTERREG MAC 2021-2027.

Budget for the GBA: In kind compensation - publications.

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5. **RESCUE** - SAVING THE ISLAND ENDEMIC PLANTS AND BEETLES OF SELVAGEM PEQUENA AND ILHÉU DE FORA FROM EXTINCTION (SELVAGENS ISLANDS, PORTUGAL) (2024-2026)

Coordination: Francisco Fernandes (Instituto das Florestas e Conservação da Natureza).

GBA-CE3C team: Mário Boieiro (Universidade dos Açores - GBA-CE3C).

Funding Institution: Mossy Earth Ltd.

Budget for the GBA: In kind compensation.

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6. **SER** – STREAM ECOSYSTEM RECOVERY USING POTENTIAL SENTINEL SPECIES *CARDAMINE CALDEIRARUM* (2024-2026)

Coordination: Mónica Moura (Universidade dos Açores - DB).

GBA-CE3C team: **Rui Bento Elias** (Universidade dos Açores - GBA-CE3C).

Funding Institution: EU - BESTLIFE2030.

Budget for the GBA: In kind compensation - publications.

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7. **TRANS-LIGHTHOUSES** - MORE THAN GREEN: LIGHTHOUSES OF TRANSFORMATIVE NATURE-BASED SOLUTIONS FOR INCLUSIVE COMMUNITIES (2023-2026)

Consortium coordination: Centre for Social Studies, University of Coimbra, Portugal

UAc coordination: Eduardo Marques (Universidade dos Açores).

GBA team: **Isabel R. Amorim & Ana Moura Arroz** (Universidade dos Açores - GBA-CE3C)

Funding Institution: European Commission: HORIZON-CL6-2022-COMMUNITIES-01-05.

Budget for the GBA: In kind compensation - network and publications.

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**National research projects without financial support to GBA-CE3C (1)**

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1. **GEMITERP** - THE ROLE OF GENETIC VARIATION AND SOIL MICROBIOME IN THE DIVERSITY OF TERPENE SPECIALIZED METABOLISM IN *THYMUS CAESPITITIUS* (2025-2026)

Coordination: Maria Helena Trindade Donato (Universidade de Lisboa, CE3C).

GBA-CE3C coordination:

GBA-CE3C team: Rui Bento Elias, Rosalina Gabriel (Universidade dos Açores - GBA-CE3C).

Funding Institution: Fundação para a Ciência e Tecnologia.

Total budget:

Budget for the GBA: In kind compensation - publications.

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### Regional research projects without financial support to GBA-CE3C (3)

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#### 1. A MOSCA DA FRUTA - ARTE & CIÊNCIA (2024-2025)

Coordination: Carlos Leal (Centro de Ciência de Angra do Heroísmo, Observatório do Ambiente dos Açores, Associação para o Estudo do Ambiente Insular)

GBA-CE3C coordination: **Isabel R. Amorim** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Isabel R. Amorim (PI)

Other members: Carlos A. Leal (CAAH, OAA), Regina Rosa (CAAH, OAA), Catarina Duarte (CAAH, OAA), João Miguel Tavarela Ferreira (UAc).

Budget for the GBA: in kind compensation.

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#### 2. CWN – PROMOTING CONSENSUS IN CONTACT WITH NATURE RESEARCH (2024-ongoing)

Coordination: **Ana Moura Arroz** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C coordination: Ana Moura Arroz (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Ana Moura Arroz, Rosalina Gabriel, Ana Picanço, Enésima Pereira, Leyda Negrín, Sara Castro

Budget for the GBA: in kind compensation – publications

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#### 3. ALGAEFUSION – BIORREFINARIAS DE MICROALGAS E CIANOACTÉRIAS AUTÓCTONES PARA O DESENVOLVIMENTO DE ALIMENTO NUTRACÊUTICO PARA ANIMAIS E PRODUTOS COSMÉTICOS (2025-ongoing)

Coordination: Vitor Manuel Costa Gonçalves (Universidade dos Açores – CIBIO-Açores).

GBA-CE3C coordination: **Ana M. L. Seca** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Ana M. L. Seca.

Budget for the GBA: in kind compensation – consumables, publications

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### APPENDIX 1.3-STRATEGIC NETWORKS AND PRESTIGIOUS INITIATIVES (11)

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## International strategic networks and prestigious initiatives (10)

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### 1. ERGA - THE EUROPEAN REFERENCE GENOME ATLAS (2021-ongoing)

Coordination: ERGA Council

GBA-CE3C coordination: **Isabel R. Amorim**

GBA-CE3C team: Isabel R. Amorim, Paulo A.V. Borges, Fernando Pereira (Universidade dos Açores - GBA-CE3C).

Funding Institution: European Commission.

Budget for the GBA: In kind compensation - publications.

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### 2. ERGA/BGE - BIODIVERSITY GENOMICS EUROPE (2024-ongoing)

Coordination: Earth Biogenome Project

GBA-CE3C coordination: **Isabel R. Amorim**

GBA-CE3C team: Isabel R. Amorim, Paulo A.V. Borges, Fernando Pereira (Universidade dos Açores - GBA-CE3C).

Funding Institution: European Commission.

Budget for the GBA: In kind compensation - publications.

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### 3. IUCN GREEN STATUS INTEGRATION AND ADOPTION COMMITTEE (2025-ongoing)

Coordination: Molly Grace (University of Oxford, United Kingdom).

GBA-CE3C team: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN.

Budget for the GBA: In kind compensation.

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### 4. IUCN SSC GROUPER AND WRASSE SPECIALIST GROUP (2008-ongoing)

Coordination: Yvonne Sadovy de Mitcheson (University of Hong Kong, China) and Matthew Craig (National Oceanic and Atmospheric Administration, USA).

GBA-CE3C team: **João Pedro Barreiros** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN.

Budget for the GBA: In kind compensation.

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### 5. IUCN SSC LADYBIRD SPECIALIST GROUP (2019-ongoing)

Coordination: John Losey (Cornell University, USA).

GBA-CE3C team: **António Onofre Soares** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN & Toyota Fund.

Budget for the GBA: In kind compensation.

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#### 6. IUCN SSC MACARONESIAN ISLANDS PLANT SPECIALIST GROUP (2017-ongoing)

Coordination: Mónica Moura (Universidade dos Açores-CIBIO) and Juli Caujapé-Caustells (Jardín Botánico “Viera y Clavijo”).

GBA-CE3C team: **Rui Bento Elias** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN.

Budget for the GBA: In kind compensation.

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#### 7. IUCN SSC MID-ATLANTIC ISLAND INVERTEBRATES' SPECIALIST GROUP (2015-ongoing)

Coordination: Vicky Kindemba (Buglife - The Invertebrate Conservation Trust - UK) & **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: **Paulo A.V. Borges** (PI), **Mário Boieiro**, **Virgílio Vieira** & **Isabel R. Amorim** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN & Toyota Fund.

Budget for the GBA (seed money): 6.000,00 Euros.

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#### 8. IUCN SSC SPECIES MONITORING SPECIALIST GROUP (2016-ongoing)

Coordination: Peter J. Stephenson (University of Lausanne, Switzerland).

GBA-CE3C team: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN.

Budget for the GBA: In kind compensation.

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#### 9. IUCN SSC SPIDER AND SCORPION SPECIALIST GROUP (2014-ongoing)

Coordination: **Pedro Cardoso** (Finnish Museum of Natural History, University of Helsinki, Finland).

GBA-CE3C team: Paulo A.V. Borges (Universidade dos Açores - GBA-CE3C).

Funding Institution: IUCN.

Budget for the GBA: In kind compensation.

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## 10. RCE-AZORES UNU - THE UNITED NATIONS UNIVERSITY REGIONAL CENTRE OF EXPERTISE (2009-ongoing)

Coordination: **Rosalina Gabriel** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Rosalina Gabriel (PI), Ana Moura Arroz, Enésima Pereira, Paulo A.V. Borges & Fernando Pereira (Universidade dos Açores - GBA-CE3C).

Funding Institution: EU Leonardo DaVinci Programme for Vocational Training, Change Agents UK – support placement of interns with RCE Açores, two interns in 2011, three in 2012, two in 2013, two in 2014.

Budget for the GBA (seed money): 22.950,00 Euros.

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### Regional strategic networks and prestigious initiatives (1)

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#### 1. PAZ – PARKS OF THE AZORES (2012-ongoing)

Coordination: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C)

GBA-CE3C team: Paulo A.V. Borges (PI), Isabel R. Amorim, Rui Bento Elias, Rosalina Gabriel, Fernando Pereira (Universidade dos Açores - GBA-CE3C).

Funding Institution: Natural Parks of the Azores.

Budget for the GBA: In kind compensation.

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## APPENDIX 1.4-SCIENTIFIC MANAGEMENT AND INSTITUTIONAL DEVELOPMENT PROJECTS (3)

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### National scientific management and institutional development projects (2)

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#### 1. FUNCIONAMENTO CE3C – DESENVOLVIMENTO INSTITUCIONAL - FINANCIAMENTO PLURIANUAL DA FCT ÀS UNIDADES DE ID: CENTRO DE ECOLOGIA, EVOLUÇÃO E ALTERAÇÕES AMBIENTAIS (2025-2029)

Coordination: Sara Magalhães (Universidade de Lisboa, Faculdade de Ciências)

GBA-CE3C coordination: **Rosalina Gabriel**

Funding Institution: Fundação para a Ciência e Tecnologia.

Budget for the GBA: **982'585.96 EUR.**

FGF - Base: 654'977.85 EUR.

FGF - Programático: 188'020.00 EUR

UAc - Base: 38'528.11 EUR.

UAc - Programático: 11'060.00 EUR

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## 2. FUNCIONAMENTO CE3C – APOIO ESTRUTURAL - EQUIPAR+2 & PRR (2025-2026)

Coordination: Sara Magalhães (Universidade de Lisboa, Faculdade de Ciências)

GBA-CE3C coordination: **Rosalina Gabriel & António Onofre Soares**

Funding Institution: Fundação para a Ciência e Tecnologia.

Budget for the GBA: **147'726.56 EUR**

FGF – EQUIPAR+2 - 47'726.56 EUR

FGF - PRR - 100'000.00 EUR

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### Regional scientific management and institutional development projects (1)

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#### 1. FUNCIONAMENTO UI&D/GBA/2025 – APOIO AO FUNCIONAMENTO DO GRUPO DA BIODIVERSIDADE DOS AÇORES - CENTRO DE ECOLOGIA, EVOLUÇÃO E ALTERAÇÕES AMBIENTAIS (GBA-CE3C) (2025)

GBA-CE3C coordination: **Rosalina Gabriel** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: All Integrated Members of GBA-CE3C.

Budget for the GBA: 37'676.61 EUR.

## Appendix 1.5-SERVICE ACQUISITION (4)

### National service acquisition projects (1)

#### 1. LIFE NATURA@NIGHT - APOIO TÉCNICO NA MONITORIZAÇÃO E IDENTIFICAÇÃO DE LEPIDÓPTEROS NOTURNOS DO PROJETO LIFE NATURA@NIGHT (LIFE20 NAT/PT/001098) (2022-2025)

Coordination: Cátia Gouveia (SPEA – Sociedade Portuguesa para o Estudo das Aves).

GBA-CE3C coordination: **Paulo A.V. Borges & Virgílio Vieira** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges, Virgílio Vieira, Alejandra Ros-Prieto & Mário Boieiro

Funding Institution: Sociedade Portuguesa para o Estudo das Aves (LIFE EU Project).

Budget for the GBA: 8'620.69 EUR

### Regional scientific management and institutional development projects (3)

#### 1. LIFE BEETLES - PREPARATORY AND MONITORING ACTIONS (2020-2025)

Coordination: Maria Teresa Ferreira (Secretaria Regional do Ambiente e Ação Climática).

Coordination in the GBA-CE3C: **Paulo A.V. Borges** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Paulo A.V. Borges (PI), Alejandra Ros-Prieto, Sébastien Lhoumeau & Mário Boieiro (Universidade dos Açores - GBA-CE3C) & Noelline Tasafck (Secretaria Regional do Ambiente e Ação Climática).

Funding Institution: AZORINA | LIFE EU Project.

Budget for the GBA: 111.890,00 EUR

#### 2. LIFE-SNAILS-IBIS - QUANTIFICAÇÃO DO INDEX OF BIOTIC INTEGRITY (IBI) NAS ÁREAS DE INTERVENÇÃO DO PROJETO LIFE SNAILS (2023-2026)

Coordination: Ricardo Abreu ((Secretaria Regional do Ambiente e Ação Climática)

GBA-CE3C coordination: **Paulo A.V. Borges** (Universidade dos Açores).

GBA-CE3C team: Paulo A.V. Borges (PI), Sébastien Lhoumeau (Azorean Biodiversity Group – CE3C).

Funding Institution: Secretaria Regional do Ambiente e Alterações Climáticas.

Budget for the GBA: 35.675,00 EUR.

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### 3. LIFE SNAILS-MAES - CONSULTADORIA EXERNA PARA MAPEAMENTO E AVALIAÇÃO DOS SERVIÇOS DE ECOSISTEMAS NO ÂMBITO DO PROJETO LIFE SNAILS - LIFE20 NAT/PT/00137 (2023-2026)

Coordination: Ricardo Abreu ((Secretaria Regional do Ambiente e Ação Climática)

Coordination in the GBA-CE3C: **Catarina Fonseca** (Universidade dos Açores - GBA-CE3C).

GBA-CE3C team: Catarina Fonseca (Azorean Biodiversity Group – CE3C).

Funding Institution: Secretaria Regional do Ambiente e Alterações Climáticas.

Budget for the GBA: 7'500.00 EUR.

## APPENDIX 2-INFORMATION ON PUBLICATIONS<sup>2</sup>

### Appendix 2.1-ARTICLES IN SCI JOURNALS (WITH IMPACT FACTOR) IN 2025 (58+10)

#### Scopus papers written by at least one integrated member (N=58)

1. Alloush, A.H.A., Omkar, **Raposo, V.**, & **Soares, A.O.** (2025). Life-history attributes and biocontrol potential of the Purple coccidophagous ladybird, *Rhyzobius lophanthae* (Coleoptera, Coccinellidae). *Bulletin of Insectology*, 78, 41-50.
2. **Almeida, B.**, Monteiro, L., **Tiengo, R.**, Gil, A., & Cabral, P. (2025). Spatially explicit assessment of carbon storage and sequestration in forest ecosystems. *Remote Sensing of Environment*, 38, 101554. DOI:10.1016/j.rsase.2025.101544 (IF2023 11,1; Q1 Remote Science)
3. **Arroz, A.M., Gabriel, R.**, Silva, A. R., Piasentin, F., **Amorim, I.R., Picanço, A.**, & Matos, S. (2025). Discovering the allure of forests: Exploring adolescent queries in nature-rich environments. *PLOS One*, 20(1), e0312955. DOI:10.1371/journal.pone.0312955 (IF2023 2,9; Q1 Multidisciplinary Sciences)
4. Baixinho, A., Matos, S., **Arroz, A.M., Amorim, I.R., & Gabriel, R.** (2025). “Although I was alone, I always felt accompanied”: the experiences of adolescent girls walking in a forest. *Journal of Adventure Education and Outdoor Learning*, 25(3), 761-778. DOI:10.1080/14729679.2024.2367272 (IF2024 1,5; Q2 Education & Educational Research)
5. Baptista, F., **Garcia, P.V.**, Rodrigues, A.S., & Ladeira, C. (2025). Genotoxicity and cytotoxicity assessment of volatile organic compounds in pathology professionals through the buccal micronuclei Assay. *Toxics*, 13, 41 DOI:10.3390/toxics13050411 (IF2023 3,9; Q1 Toxicology)
6. **Barcelos, L.D.**, Freitas, R., & **Barreiros, J.P.** (2025). Checklist of coastal fishes from Cabo Verde Archipelago. *Biodiversity Data Journal*, 13, e148234, 1-50. DOI:10.3897/BDJ.13.e148234 (IF2023 1,0; Q3 Biodiversity Conservation)
7. **Barcelos, L.D.**, Coelho, R., & **Barreiros, J.P.** (2025). First confirmed record of Common Murre *Uria aalge* for the Mid-Atlantic Azores. *Marine Ornithology*, 53(2), 337-339. DOI:10.5038/2074-1235.53.2.1653 (IF2022 0,6; Q3 Ornithology)
8. **Boieiro, M.**, Ceia-Hasse, A, Oliveira, R., Costa, R., & **Borges, P.A.V.** (2025). Does land management intensity influence pollinator assemblages and plant–pollinator interactions in the lowlands of Terceira Island (Azores)? *Land*, 14(10), 2029. DOI:10.3390/land14102029 (IF2024 3,2; Q2 Environmental Studies)
9. **Boieiro, M.**, Ferreira, M., Ceia-Hasse, A., Esposito, F., Santos, R., **Pozsgai, G., Borges, P.A.V.** & Rego, C. (2025). The Effects of Disturbance on Plant–Pollinator Interactions in the Native Forests of an Oceanic Island (Terceira, Azores). *Insects*, 16(1), 14.
10. **Boieiro, M.**, Oliveira, R., **Costa, R.**, & **Borges, P.A.V.** (2025). Pollinator species richness and abundance across diverse habitat-types on Terceira Island (Azores, Portugal). *Biodiversity Data Journal*, 13, e142482. DOI:10.3897/BDJ.13.e142482 (IF2023 1,0; Q3 Biodiversity Conservation)
11. **Borges, P.A.V.**, Malumbres-Olarte, J., **Gabriel, R.**, Videira, S. I. R., Rodrigues, A. F., **Lhoumeau, S.**, Leite, A., **Ros-Prieto, A., Melo, C.D., Pozsgai, G., Oyarzabal, G., Parmentier, L.**, Lamelas-López, L., Boieiro, M.,

<sup>2</sup> In each category, publications are presented in alphabetical order of their first author.

- Barcelos, P.J.M., **Costa, R.**, Coelho, R., **Wallon, S.**, Gonçalves, S., **Arroz, A.M.**, & **Amorim, I.R.** (2025). Biodiversity insights from BioBlitz surveys on Terceira Island, Azores. *Biodiversity Data Journal*, *13*, e15346 DOI:10.3897/BDJ.13.e153461 (IF2023 1,0; Q3 Biodiversity Conservation)
12. **Borges, P.A.V.**, **Morgado, L.N.**, **Gabriel, R.**, **Elias, R.B.**, Gauche, M., Ah-Peng, C., Otto, R., de Nascimento, L., Strasberg, D., Guerrero-Ramírez, N., Kreft, H., & Fernández-Palacios, J. M. (2025). Integrating plot-based methods for monitoring biodiversity in island habitats under the scope of BIODIVERSA+ project BioMonI: Tree monitoring in Terceira, Tenerife and Réunion Islands. *Biodiversity Data Journal*, *13*, e158423. DOI:https://doi.org/10.3897/BDJ.13.e158423 (IF2023 1,0; Q3 Biodiversity Conservation)
  13. **Borges, P.A.V.**, Bettencourt, S., Vargas, D., Medeiros, R., Melo, J. & Rodrigues, A. (2025). A 13-year termite (Insecta, Blattodea) monitoring programme in the Azores: Dataset and findings. *Biodiversity Data Journal*, *13*, e164834. DOI:10.3897/BDJ.13.e164834 (IF2024 1,0; Q3 Biodiversity Conservation)
  14. **Calado, H.R.M.G.**, **Soares, A.O.**, Heleno, R., & **Borges, P.A.V.** (2025). Arthropod communities of insular (São Miguel Island, Azores) and mainland (Portugal) coastal grasslands. *Biodiversity Data Journal*, *13*, e1449152. DOI:10.3897/BDJ.13.e144915 (IF2023 1,0; Q3 Biodiversity Conservation)
  15. **Calado, H.R.M.G.**, **Soares, A.O.**, Heleno, R. & **Borges, P.A.V.** (2025). Coastal grassland vegetation records from São Miguel Island (Azores) and the south-western coast of mainland Portugal. *Biodiversity Data Journal*, *13*, e173529. DOI:10.3897/BDJ.13.e173531
  16. Cardoso, P., Baker, N.J., **Boieiro, M.**, Bonte, D., **Borges, P.A.V.**, Braby, M.F., Branco, V., Chobanov, D., Correia, L., Dalton, D.T., Damas-Mora, M., Didham, R.K., Forster, L., Glatz, R., Gorneau, J.A., Hochkirch, A., Kirse, A., Lichtenberg, E.M., Macías-Hernández, N., Miličić, M., Moir, M., Moreno-García, P., Neessen, R., Noriega, J.A., Penick, C.A., Perry, K.I., Pryke, J., Rego, C., Roeder, K.A., Saussure, S., Shirey, V., Sihvonen, P., Svetnik, I., Tarasov, S., Trindade, P., Welti, E.A.R., Wong, M. & Scherber, C. (2025). Toward a global repository of insect traits (GRIT). *Insect Conservation and Diversity*. ONLINE EARLY DOI: 10.1111/icad.70035
  17. Casal, G., **Fonseca, C.**, Allegri, E., Bianconi, A., Boyd, E., Cornet, C. C., de Juan, S., Espinoza Córdova, F., Furlan, E., Gil, A., Krause, T., Maréchal, J.-P., McCarthy, T., Özkiper, O., Pérez, G., Pham, H. V., Roberts, C., Simide, R., Simeoni, C., Taylor, D., **Tiengo, R.**, Trégarot, E., **Uchôa, J.**, & O'Leary, B. C. (2025). Informing implementation of nature-based solutions in marine and coastal environments: The MaCoBioS Blue NBS Toolbox. *One Ecosystem*, *10*, e149010. DOI:10.3897/oneeco.10.e14901 (IF ; Q3 Ecology)
  18. Coelho, N. M., Bernardo, F., Rodrigues, A. S., & **Garcia, P.** (2025). Volcanic environments and thyroid disruption—A review focused on As, Hg, and Co. *Science of the Total Environment*, *993*, 180018. https://doi.org/10.1016/j.scitotenv.2025.180018 (IF2023 8,2; Q1 Environmental Sciences)
  19. **Costa, R.**, Cardoso, P., **Rigal, F.**, & **Borges, P.A.V.** (2025). Vertical forest strata position and niche shifts between juvenile and adult spiders. *Biodiversity Data Journal*, *13*, e171693.
  20. **Costa, R.**, Macías-Hernández, N., Rigal, F., **Borges, P.A.V.** & Cardoso, P. (2025). Do Island Spiders Descend from Trees? – A Tale of Island Colonisation and Niche Expansion. *Journal of Biogeography*, *52*(12), e70093.
  21. **Crespo, L.C.**, **Pereira, F.**, **Amorim, I. R.**, & **Borges, P.A.V.** (2025). Insights from the Dalberto Teixeira Pombo (DTP) Arthropod Collection – I. Revealing the Hidden Diversity of Terrestrial Cave Arthropods in the Azores. *Biodiversity Data Journal*, *13*, e158467. DOI:10.3897/BDJ.13.e158467 (IF2024 1,0; Q3 Biodiversity Conservation)

22. **Crespo, L.C., Amorim, I.R., Pereira, F. & Borges, P.A.V.** (2025). Insights from the Dalberto Teixeira Pombo (DTP) Arthropod Collection – II. Long-term monitoring of arthropod fauna in the show cave Algar do Carvão (Terceira, Azores, Portugal). *Biodiversity Data Journal*, *13*, e167838. DOI: 10.3897/BDJ.13.e167838
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56. Varga-Szilay, Z., Barševskis, A., Benedek, K., Bevk, D., Jojczyk, A., Krištín, A., Růžicková, J., Jelaska, L. S., Vernomann, E., Vilumets, S., Fetykó, K. G., Szóvényi, G. & **Pozsgai, G.** (2025). Improving biodiversity in Central and Eastern European gardens needs regionally scaled strategies. *Urban Forestry & Urban Greening*, *113*, 129074
57. Varga-Szilay, Z., Szóvényi, G., & **Pozsgai, G.** (2025). Anthropogenic noise can decrease tomato reproductive success by hindering bumblebee-mediated pollination. *Basic and Applied Ecology*, *87*, 11-19. DOI:10.1016/j.baae.2025.05.008 (IF2023 3,0; Q2 Ecology)
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#### Scopus papers written by at least one associate research fellow using GBA-CE3C affiliation (10)

1. Asuk, S. A., Wayman, J. P., Sadler, J. P., Pugh, T. A., **Matthews, T. J.**, Ebu, V. T., ... & Kettridge, N. (2025). Human and Environmental Factors Shape Tree Species Assemblages in West African Tropical Forests. *Diversity and Distributions*, *31*(8), e70075. DOI:10.1111/ddi.70075 (IF2024 4,6; Q1 Ecology)
2. Dias, R. A., Bastazini, V. A. G., Gianuca, A. T., & **Matthews, T. J.** (2025). The spatial scaling of multiple dimensions of functional diversity in habitat islands. *Functional Ecology*, *39*(11), 3164-3180.
3. Dornelas, M., Antão, L. H., Bates, A. E., Brambilla, V., Chase, J. M., Chow, C. F. Y., Fontrodona-Eslava, A., Magurran, A. E., Martins, I. S., Moyes, F., Sagouis, A., Adu-Acheampong, S., Acquah-Lampitey, D., Adam, D., Ajani, P. A., Albaina, A., Almaraz, P., An, J., Anderson, R. S., ..., **Matthews, T. J.**, ... & Zvuloni, A. (2025). BioTIME 2.0: Expanding and improving a database of biodiversity time series. *Global Ecology and Biogeography*, *34*, e70003.
4. Guillerme, T., Cardoso, P., Jørgensen, M. W., Mammola, S., & **Matthews, T. J.** (2025). The what, how, and why of trait-based analyses in ecology. *Ecography*, *2025*, e07580.
5. Jarić, I., Januchowski-Hartley, S., Mammola, S., **Malumbres-Olarte, J.**, Lux, C., Crowley, S. L., Albert, B., Correia, R. A., Giannoulatou, I. D., Jeschke, J. M., Ladle, R. J., Markes, S., Mutiny, J., Pillai, A., Sbragaglia, V., Veríssimo, D. & Roll, U. (2025). Bridging worlds: exploring synergies between the arts and biodiversity conservation. *Frontiers in Ecology and the Environment*, *23*(10), e70012.
6. Mammola, S., **Malumbres-Olarte, J.**, Vaccarelli, I., Nanni, V., Bellvert, A., & Jarić, I. (2025). On art, science, and the conservation of subterranean ecosystems. *Subterranean Biology*, *51*, 1-19. DOI:10.3897/subtbiol.5139954 (IF2023 5; Q2 Zoology)

7. Ulrich, W., **Matthews, T. J.**, Biurrun, I., Aleksanyan, A., Borovyk, D., Burrascano, S., ... & Puchałka, R. (2025). The proper middle class: assessing the importance of subordinate species on plant community assembly and functional diversity. *Oikos*, 2025, e11572.
8. Valle, S., Pereira, D. J., **Matthews, T. J.**, & Martin, T. E. (2025). Heightened extinction risk due to tropical cyclones in insular biodiversity hotspots. *Biological Conservation*, 307, 111184.
9. Zeng, D., **Matthews, T. J.**, Wang, R., Zhao, Y., Yan, C., Ding, P., & Si, X. (2025). Defaunation erodes the diversity of rodent personality traits in fragmented forests. *Journal of Animal Ecology*, 94(10), 2047-2061. DOI:10.1111/1365-2656.70105 (IF2023 3,5; Q1 Ecology)
10. Zhao, Y., Zeng, D., **Matthews, T. J.**, Craven, D., Tingley, M. W., Wang, S., ... & Si, X. (2025). Island Biogeography and Life-History Traits Stabilize Island Bird Communities. *Global Change Biology*, 31(10), e70535. DOI:10.1111/gcb.70535 (IF2024 10,8; Q1 Ecology)

## Appendix 2.2-BOOKS

### Books written by at least one integrated member (3)

1. Castro, S., Loureiro, J., Schoonman, M., Thijssen, M., Nave, A., Penado, A., Galveias, A., Oliveira, B., Rego, C., Fernandes, C., Figueiredo, E., Monteiro, E., Ceia, H., Freitas, H., Santos, I., Godinho, J., Nunes, J., Sousa, L., Fino, M., **Boieiro, M.**, Carmo, M., Anjos, O., Antunes, S., Ferreira, S., & Ferreira, S. (2025). *Teoria da Mudança para a Conservação dos Polinizadores em Portugal*. Imprensa da Universidade de Coimbra. ISBN: 978-989-26-2780-9, eISBN: 978-989-26-2781-6, DOI:10.14195/978-989-26-2781-6
2. Castro, S., Loureiro, J., Schoonman, M., Thijssen, M., Nave, A., Penado, A., Galveias, A., Oliveira, B., Rego, C., Fernandes, C., Figueiredo, E., Monteiro, E., Ceia, H., Freitas, H., Santos, I., Godinho, J., Nunes, J., Sousa, L., Fino, M., **Boieiro, M.**, Carmo, M., Anjos, O., Antunes, S., Ferreira, S., & Ferreira, S. (2025). *Theory of change for a national pollinator strategy in Portugal*. Imprensa da Universidade de Coimbra. ISBN: 978-989-26-2626-0, eISBN: 978-989-26-2627-7, DOI:10.14195/978-989-26-2627-7
3. Conde, J., **Boieiro, M.**, Soares, A., Silva, A., Fonseca, A., Rego, C., Aguiar, C., Figueiredo, H., Antunes, S., Correia, T., & Serrano, A. R. M. (2025). *As Lagoas da Serra da Estrela*. Município de Seia.

## Appendix 2.3-BOOK CHAPTERS

### Book chapters written by at least one integrated member (3)

1. Pires, A., Miller, A.Z., Sauro, F., Gonzalez-Serricchio, A., Andrejkovičová, S., Gonzalez, Y., Moura, R., Freitas, L., **Amorim, I.R.**, Barcelos, P., Nunes, J.C. & Chaminé, H.I. (2025). Caving Analog Systems as Promising New Environments for Geoengineering Research and Space Exploration: The 5Gs Approach. In: Çiner, A., Banerjee, S., Lucci, F., Radwan, A. E., Shah, A. A., Doronzo, D. M., Hamimi, Z. & Bauer, W. *Recent Research on Sedimentology, Stratigraphy, Paleontology, Tectonics, Geochemistry, Volcanology and Petroleum Geology* (pp.143-147). Springer, Cham.

2. Rego, C., Silva, H., Pombo, D., Boieiro, M. (2025) Açores e Madeira – polinizadores improváveis e espécies únicas. In: C. Caetano & J. Loureiro (eds.) *Guia de Polinizadores de Portugal*. Impressões de Coimbra, pp. 304-335.
3. **Rosa, G.P., Tavares, W.R., Barreto, M.C., & Seca, A.M.L.** (2025). Terpenes and their role in pharmaceuticals. In: Upadhyay, S. K. & Singh, D. B. *Plant Secondary Metabolites* (pp. 56-87). CRC Press.

## Appendix 2.4-NATIONAL AND INTERNATIONAL PEER REVIEWED PAPERS (NO IMPACT FACTOR)

### International peer-reviewed papers written by at least one integrated member (7)

1. Berhe, D. H., Tefera, A. S., Gidey, T., Retta, A. N., Negussie, A., Birhane, E., Nyssen, J., **Borges, P.A.V.**, Zeratsion, B. T., Kuzminsky, E., & Agrimi, M. (2025). The potential distribution of tree heath (*Erica arborea* L.) in Tigrai. *Tropical Plants*, 4(1), e002, 1-10. <https://doi.org/10.48130/tp-0024-0045>
2. **Borges, P.A.V.** (2025). Best practices for long-term monitoring of island arthropods: Insights from the Azores Islands. *Discover Conservation*, 2, Article 11, 1–11. <https://doi.org/10.1007/s44353-025-00030-6>
3. Carvalho, C.B., Cordeiro, F., Benevides, J., da Motta, C., **Arroz, A.M.**, & Cabral, J.M. (2025). The role of emotional intelligence in risk behaviors and nonsuicidal self-injury in adolescence. *Trends in Psychology*, 2025, 1-15.
4. Haddad Júnior, V., Haddad, A.M.V., & **Barreiros, J.P.** (2025). Myriapods (Diplopoda and Chilopoda): Medical aspects of envenomations. *Journal of the Brazilian Society of Tropical Medicine*, 58, e00300-2025. <https://doi.org/10.1590/0037-8682-0104-2025>
5. Stephenson, P. J., Mansourian, S., **Borges, P.A.V.**, Correa, D. C. V., Polanco Fernández, A., Watson, K. M., & Dudley, N. (2025). Opportunities and challenges for monitoring ecosystem restoration in protected and conserved areas (Technical Note No. 24, 1-12.). Gland, Suíça: IUCN WCPA & IUCN SSC Species Monitoring Specialist Group. [https://iucn.org/sites/default/files/2025-07/iucn-wcpa-tn-no.-24\\_monitoring-ecosystem-restoration\\_final.pdf](https://iucn.org/sites/default/files/2025-07/iucn-wcpa-tn-no.-24_monitoring-ecosystem-restoration_final.pdf)
6. Teixeira, M. B., **Lopes, D.H.**, Lamelas-López, L., **Borges, P.A.V.**, Mota, J. A., Simões, N., & **Soares, A.O.** (2025). Population dynamics of the Japanese beetle in the Azores: A 16-year long-term monitoring program. In Microbial and nematode control of invertebrate pests. *IOBC-WPRS Bulletin*, 176, 165-168.
7. Teixeira, M. B., **Soares, A.O.**, **Borges, P.A.V.**, Monteiro, H., Frias, J., & Simões, N. (2025). Biocontrol potential of insect soil assemblages associated with *Popillia japonica* in the Azorean crop fields. In Microbial and nematode control of invertebrate pests (pp. 161–164). *IOBC-WPRS Bulletin*, 176, 161-164.

## Appendix 2.5-EDUCATION & OUTREACH PUBLICATIONS

### Papers in periodicals written by AT LEAST ONE INTEGRATED MEMBER (29)

1. Ameixa, O., **Soares, A.O., Borges, I., Boieiro, M.**, Silva, L & Castro, S. (2025, January). Guardiões das Flores: Polinizadores fora da caixa. *Wilder*. <https://wilder.pt/cronicas/guardioes-das-flores-polinizadores-fora-da-caixa>.
2. **Amorim, I.R., Pereira, F., Gabriel, R.**, Dapkevicius, M. L. E., & **Borges, P.A.V.** (2025). Gruta do Natal: bioespeleologia, biodiversidade e conservação. *Pingo de Lava, 47*, 128-137.
3. **Amorim, I.R., Pereira, F., & Borges, P.A.V.** (2025). Escaravelho-cavernícola *Thalassophilus azoricus* Oromí & Borges, 1991. *Pingo de Lava, 47*, 114-115.
4. **Barreto, M.C.** (2025, October 19). *Rugulopteryx* – a invasora que veio de longe, com a sua guerra química. *Açoriano Oriental, Açores Magazine, UAciência*, pp. 6-7. Coordenação e edição de Armindo Rodrigues (FCT-UAc)
5. **Barreto, M.C.** (2025, February 20). Sai uma solução com alto teor de trimetilxantina para a mesa um!. *Correio dos Açores*, p.18.
6. **Barreto, M.C.** (2025, May 8). Disruptores endócrinos: O inimigo invisível no nosso dia a dia. *Correio dos Açores*, p.18.
7. **Barreto, M.C.** (2025, October 30). A importância dos hidratos de carbono na nossa alimentação. *Correio dos Açores*, p.13.
8. **Barreto, M.C.** (2025, October 19). *Rugulopteryx* – a invasora que veio de longe, com a sua guerra química. *UAciência, Revista Açores Magazine*, p. 6-7.
9. **Borges, P.A.V.** (2025). A Fauna de artrópodes de florestas nativas dos Açores: 2. Biscoito da Ferraria (Terceira-Açores). *Pingo de Lava, 47*, 116-124.
10. Castro, S., & **Arroz, A.M.** (2025, September 8). A natureza faz bem. *UAciência, Açores Magazine*, 8 de setembro de 2025.
11. Castro, S., & **Arroz, A.M.** (2025, September 8). A natureza faz bem. *Açoriano Oriental, Açores Magazine, Cê de Ciência*, Edição n.º 60, p.6. Coordenação e edição de Ana Teresa Alves (FCSH-UAc).
12. **Crespo, L.C., Amorim, I.R., Pereira, F., & Borges, P.A.V.** (2025). Os artrópodes do Algar do Carvão: breve nota sobre a biodiversidade presente e suas ameaças. *Pingo de Lava, 47*, 125-127.
13. **Elias, R.B.** (2025). A importância de Gaspar Frutuoso para o conhecimento da vegetação original dos Açores e das alterações decorrentes do povoamento português. *Pingo de Lava, 47*, 93-102.
14. **Lhoumeau, S., Elias, R.B., Seidel, D., Gabriel, R., & Borges, P.A.V.** (2025, July 6). Desvendar a complexidade das florestas: como o LiDAR e os drones estão a transformar a investigação sobre os ecossistemas. *UAciência, Açores Magazine*.
15. **Melo, C.D.** (2025). Fungos micorrízicos arbusculares: redes que sustentam a vida. *Pingo de Lava, 47*, 88-92.
16. **Oyarzabal, G.** (2025, February 16). Dos Dados à Ação: Estudos de Longo Prazo e Estratégias de Conservação para a Biodiversidade dos Artrópodes dos Açores. *Açoriano Oriental, Açores Magazine, UAciência*, 6–7. Coordenação e edição de Armindo Rodrigues (FCT-UAc). <http://hdl.handle.net/10400.3/8585>

17. **Parmentier, L. M., & Amorim, I.R.** (2025). Cagarro, a ave marinha mais emblemática dos Açores: ameaças e envolvimento da comunidade local na sua proteção. *Pingo de Lava*, 47, 75-85.
18. Keller, R., Gaspar, H., Silva, H., Grosso-Silva, J., & **Boeiro, M.** (2025). Guardiões das flores: A importância das coleções de polinizadores no presente e no futuro. *Crónicas Wilder*. <https://wilder.pt/naturalistas/guardioes-das-flores-a-importancia-das-colecoes-de-polinizadores-no-presente-e-no-futuro>
19. **Rosa, G.P.** (2025, June 8). Algas marinhas como fonte de medicamentos e cosmeceuticos. *Açores Magazine, Rúbrica UAciência*, p. 6.
20. **Rosa, G.P., Seca, A.M.L., & Barreto, M.C.** (2025). From marine metabolites to cosmeceuticals: Optimizing bioactive compounds for improved skin health. *Research@UA*, 15, 71.
21. **Seca, A.M.L.** (2025, June 12). Terras raras: Os elementos escondidos que alimentam a tecnologia moderna. *Correio dos Açores*, p.15.
22. **Seca, A.M.L.** (2025, March 6). A química dos cheiros: Descobrimo o mundo dos aromas. *Correio dos Açores*, p.15.
23. **Seca, A.M.L.** (2025, September 25). A química escondida no fogo de artifício. *Correio dos Açores*, p.15.
24. **Seca, A.M.L.** (2025, December 4). Produtos “sem químicos”: O que é isso?. *Correio dos Açores*, p.20.
25. **Sousa, M.A., Andrade, R., Elias, R.B., Morgado, L.N.,** Davide, X., Fatková, L., **Pereira, F., & Gabriel, R.** (2025). Monitorização da vegetação natural dos Açores ao longo do tempo: ilhas Pico, Terceira, Flores e São Miguel. *Pingo de Lava*, 47, 103-113.
26. **Teixeira, D.,** Wilkins, V., Dempewolf, L., & **Borges, P.A.V.** (2025, August). *Atlantic Islands Invertebrate Specialist Group Newsletter*, nº 12.
27. **Teixeira, D.,** Wilkins, V., Dempewolf, L. & **Borges, P.A.V.** (2025, December). *Atlantic Islands Invertebrate Specialist Group Newsletter*, nº 13.
28. **Viveiros, M.M.** (2025, December 8), Aplicação de Ingredientes Endógenos dos Açores na Cosmética. *UAcincia, Revista Açores Magazine*, p. 6-7.
29. **Viveiros, M.M.** (2025, July 20). Emulsões Cosméticas: Uma formulação entre o óleo e a água. *UAcincia, Revista Açores Magazine*, p. 6-7.

## Appendix 2.6-PROCEEDINGS OF SYMPOSIA (WITH ISBN)

### Proceedings of Symposia - abstract/extended abstract [with ISBN] (9)

1. **Andrade, R., Gabriel, R., & Elias, R.B.** (2025). Establishing long-term monitoring baselines for vascular plants across an elevational gradient in São Miguel Island (Azores) [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 43). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
2. Camperio, G., Wildpret, W., Zemp, C., **Borges, P.A.V.**, Agosti, D., Catogni, L., de Nascimento, L., Emerson, B. C., **Gabriel, R.**, Lenzner, B., Mologni, F., Patiño, J., Otto, R., Ruck, P., Simoes, F., Suter, S., Kreft, H., &

- Guerrero-Ramírez, N. (2025). Foundations for an island biodiversity observation network (Island BON): A synthesis of monitoring practices [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 50–51). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
3. Davide, X., **Andrade, R., Gabriel, R.**, Pichon, L., & Taylor, A. (2025). Epiphytes and elevation: A bryophyte study on Terceira Island [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 44). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  4. **Fatková, L.**, Rogošic, M., Sérgio, C., & **Gabriel, R.** (2025). Urban bryophytes in Angra do Heroísmo (Azores, Portugal): A first look at a Macaronesian city [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 45). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  5. Guerrero-Ramírez, N., Ah-Peng, C., **Borges, P.A.V.**, Camperio, G., de Nascimento, L., **Elias, R.B.**, Essl, F., **Gabriel, R.**, Lenzner, B., Mologni, F., **Morgado, L.N.**, Otto, R., Patiño, J., Suter, S., Wildpret Martin, W., Weigelt, P., Zemp, C., & Kreft, H. (2025). Biodiversity Monitoring of Island Ecosystems (BIOMOMI) [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 30–31). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  6. **Morgado, L.N., Gabriel, R.**, Sérgio, C., & Gonçalves-Esteves, V. (2025). Spore morphology of the Macaronesian endemic moss *Alophosia azorica* (Ren. et Card.) Card. (Polytrichopsida, Polytrichaceae) [Resumo de poster]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 67). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  7. **Silveira, G.M., & Gabriel, R.** (2025). Improving the biodiversity knowledge in the Azores: New records of bryophytes and lichens for São Jorge Island [Resumo de poster]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 69). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  8. **Sousa, M.A.**, Lamelas-López, L., **Elias, R.B., Gabriel, R., & Borges, P.A.V.** (2025). A multitaxa approach to biodiversity inventory in Matela Protected Area (Terceira, Azores, Portugal) [Resumo de poster]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 68). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).
  9. **Tavares, W., Barreto, M.C., Rosa, G.P., Seca, A.M.L.**, Rodríguez-Mejías, F. J., Varela, R. M., & Macías, F. A. (2025). Allelopathic traits of invasive Azorean flora: *Hedychium gardnerianum* Sheph. ex Ker Gawl. and *Gunnera tinctoria* (Molina) Mirbe [Resumo de comunicação oral]. In E. Martins, R. B. Elias, & R. Gabriel (Eds.), 6th FloraMac International Symposium: Program & abstracts (pp. 39). Associação para a Ciência e Desenvolvimento dos Açores (ACDA).

## Appendix 2.7-TECHNICAL REPORTS

### Technical reports written by at least one integrated member (1)

1. Wilkins, V., & **Borges, P.A.V.** (2025). 2024 report of the IUCN SSC Mid-Atlantic Island Invertebrate Specialist Group. IUCN-SSC. Reports.

## Appendix 2.8-OTHER TYPE OF PUBLICATIONS (24)

This section includes the publications of different formats, namely datasets, contributions to newsletters, and pre-prints by members of the GBA-CE3C.

### Datasets published by at least one integrated member (15)

1. **Andrade, R., Gabriel, R., Pereira, F., Borges, P.A.V. & Elias, R.B.** (2025). The MOVECLIM – AZORES project: Vascular Plant Diversity and Ground Cover Across Elevation (São Miguel, Terceira, Pico & Flores). Version 1.2. Universidade dos Açores. Samplingevent dataset.
2. **Borges, P.A.V.,** Bettencourt, S., Vargas, D., Melo, J., Medeiros, R., & Rodrigues, A. (2025). Monitoring termites in the Azores Archipelago: A comprehensive dataset (2011–2024) (Version 1.1) [Occurrence dataset]. Universidade dos Açores. <https://doi.org/10.15468/4x5fwt>
3. **Borges, P.A.V., Crespo, L.C., & Amorim, I.R.** (2025). Inventory and monitoring of a protected species in a show cave of Terceira Island - Algar do Carvão (Version 1.1) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/75aj4ae>
4. **Borges, P.A.V., Crespo, L.C., & Amorim, I.R.** (2025). Inventory of arthropods in Azorean Islands lava tubes and volcanic pits (Version 1.0) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/dpvue3>
5. **Borges, P.A.V., Gabriel, R., Lhoumeau, S.,** Videira, S., & **Amorim, I.R.** (2025). BioBlitz Azores: Multitaxa inventories of the biodiversity of “Jardim Duque da Terceira” (Angra do Heroísmo, Terceira Island, Azores, Portugal) (Version 1.5) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/eqc6n5>.
6. **Borges, P.A.V.,** Lago, A.D., Petrone, A., **Soares, A.O., Lhoumeau, S., & Boieiro, M.** (2025). Inventory of vascular plants and arthropods in Vale da Fonte agroforest plot. Version 1.0. Universidade dos Açores. Samplingevent dataset. DOI:10.15468/ag5j58.
7. **Calado, H.R.M.G., Borges, P.A.V.,** Heleno, R., & **Soares, A.O.** (2025). Coastal Grassland Vegetation Records from São Miguel Island (Azores) and Mainland Portugal. Version 1.0. Universidade dos Açores. Samplingevent dataset. DOI:10.15468/yv9x8q
8. **Dueñas-Rojas, A.,** Cuesta, E., **Parmentier, L.,** Leite, A., **Borges, P.A.V.,** & Santos, A.M.C. (2025). Dung beetles of Azorean cattle-grazed pasturelands – data of the DUNGPOOL project (Version 1.0) [Sampling event dataset]. Department of Ecology, Universidad Autónoma de Madrid. <https://doi.org/10.15470/ego4ut>
9. Freitas, R., **Barcelos, L.D., Barreiros, J.P.** (2025). Checklist list of Coastal fishes of Cabo Verde. Version 1.0. Universidade dos Açores. Checklist dataset. [http://ipt.gbif.pt/ipt/resource?r=cabo\\_verde\\_coastal\\_fishes&v=1.0](http://ipt.gbif.pt/ipt/resource?r=cabo_verde_coastal_fishes&v=1.0)
10. **Gabriel, R. & Silveira, G.** (2025). The MOVECLIM – AZORES project: Ad hoc bryophyte and lichen collections from São Jorge Island (2014). Version 1.2. Universidade dos Açores. Samplingevent dataset. [https://ipt.gbif.pt/ipt/resource?r=crypto-azo\\_sjo\\_rg2014\\_adhoc&v=1.2](https://ipt.gbif.pt/ipt/resource?r=crypto-azo_sjo_rg2014_adhoc&v=1.2)
11. **Gabriel, R., Morgado, L.N.,** Poponessi, S., Henriques, D. S. G., Coelho, M.C.M., **Silveira, G.M., Pereira, F., & Borges, P.A.V.** (2025). The MOVECLIM – AZORES project: Bryophytes from Flores Island (2013) (Version 1.0) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/943by2>

12. **Lhoumeau, S., & Borges, P.A.V.** (2025). Stratified sampling of Azorean forest arthropods (Version 1.0) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/7aue4t>
13. Monjardino, P., Azevedo, A. R., Mendonça, D., **Pozsgai, G., Borges, P.A.V.**, Frias, J., & Toubarro, D. (2025). Metagenomic Survey of Compost Fungi from Terceira (Azores Archipelago). Version 1.0. Universidade dos Açores. Occurrence dataset. DOI: 10.15468/nmpzwr.
14. **Morgado, L.N., Gabriel, R., Elias, R.B.**, Ah-Peng, C., Fernández-Palacios, J. M., Strasberg, D., & **Borges, P.A.V.** (2025). Plot Based biodiversity monitoring of trees on island ecosystems (Terceira, Tenerife, and Réunion) (Version 1.2) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/hwm3mt>
15. Petrone, A., **Pereira, F., Elias, R.B., & Borges, P.A.V.** (2025). Mapping vascular plant diversity on São Jorge Island under the PRIBES project (Version 1.0) [Sampling event dataset]. Universidade dos Açores. <https://doi.org/10.15468/drjba9>

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#### Pre-prints published by at least one integrated member (2)

1. **Lago, A., Petrone, A., Soares, A.O., Boieiro, M., Lopes, D.H., Freitas, T., Lhoumeau, S., Wallon, S., & Borges, P.A.V.** (2025). Monitoring agroforest plots under the scope of the COMCHA project. 1. Baseline data for the “Vale da Fonte Plot” in Pico Island (Azores) [Arpha Preprint].
2. Mammola, S., Brankovits, D., Di Lorenzo, T., **Amorim, I.R.**, Bancila, R. I., Bellvert, A., Bernard, E., Blomberg, A., **Borges, P.A.V.**, Cappelletti, M., Ferreira, R., **Gabriel, R.**, Galassi, D., Garzoli, L., Gerovasileiou, V., Korbel, K., Mabrouki, Y., Martino, S., Miller, A. & Martínez, A. (2025). Subterranean environments contribute to three-quarters of classified ecosystem services. *EcoEvoRxiv*, 10.32942/X2JM0S.

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#### Other type of publications - IUCN species/sites files (6)

1. **Barreiros, J.P.**, IUCN SSC Shark Specialist Group (2025). Fanal Bay ISRA Factsheet. Dubai: IUCN SSC Shark Specialist Group. <https://sharkrayareas.org/portfolio-item/fanal-bay-isra/>
2. **Barreiros, J.P.**, IUCN SSC Shark Specialist Group (2025). Gruta do Ilhéu das Cabras ISRA Factsheet. Dubai: IUCN SSC Shark Specialist Group. <https://sharkrayareas.org/portfolio-item/gruta-do-ilheu-das-cabras-isra/>
3. **Borges, P.A.V. & Oyarzabal, G.** (2025). *Cedrorum azoricus* (Green Status Assessment). The IUCN Red List of Threatened Species 2025: e.T97113324A9711332420252. Accessed on 12 December 2025. <https://www.iucnredlist.org/species/97113324/99166544#green-assessment-information>
4. **Borges, P.A.V. & Oyarzabal, G.** (2025). *Drouetius borgesii* (Green Status Assessment). The IUCN Red List of Threatened Species 2025: e.T97161490A9716149020252. Accessed on 12 December 2025. <https://www.iucnredlist.org/species/97161490/99166644#green-assessment-information>
5. **Borges, P.A.V. & Oyarzabal, G.** (2025). *Tarphius serranoi* (Green Status Assessment). The IUCN Red List of Threatened Species 2025: e.T112215669A11221566920252. Accessed on 12 December 2025. <https://www.iucnredlist.org/species/112215669/112215674#green-assessment-information>
6. **Borges, P.A.V. & Oyarzabal, G.** (2025). *Turinyphia cavernicola* (Green Status Assessment). The IUCN Red List of Threatened Species 2025: e.T58080969A5808096920252. Accessed on 12 December 2025. <https://www.iucnredlist.org/species/58080969/58081428#green-assessment-information>

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**Other type of publications - Registered protocol (1)**

1. Camperio, G., Wildpret, W., Zemp, C., **Borges, P.A.V.**, de Nascimento, L., **Gabriel, R.**, Lenzner, B., Mologni, F., Patiño, J., Suter, S., Kreft, H., & Guerrero-Ramírez, N. (2025). Which ongoing and past biodiversity monitoring schemes exist on islands worldwide? A systematic map protocol (PROCEED-25-00332). *Proceed Evidence*. <https://doi.org/10.57808/proceed.2025.11>

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**Other type of publications – Edition of Proceedings of International Conference (1)**

1. Martins, E., **Elias, R. B.**, & **Gabriel, R.** (Eds.). (2025). *International Symposium FloraMac 2025: Program & abstracts (FloraMac 2025, Angra do Heroísmo, Portugal, 22–26 September)*. Associação para a Ciência e Desenvolvimento dos Açores (ACDA).

## APPENDIX 3-INFORMATION ON SCIENTIFIC MEETINGS: ORGANIZATION AND PARTICIPATION

The following tables provide data regarding the organization (Table 12) and participation (Table 13) in scientific meetings by members of the Azorean Biodiversity Group in 2025.

Table 12. Organization of scientific meetings from GBA-CE3C members throughout 2025.

Type	Scientific Meeting	Location	Dates	GBA-CE3C Researcher(s)
<b>Member of the Scientific Committee</b>	FLORA MAC 2025, 6th FloraMac International Symposium	Angra do Heroísmo, Terceira, Portugal	2025, September 22-26	Rui Bento Elias, Rosalina Gabriel, Paulo A.V. Borges
	11th Frontiers in E3, CE3C's Annual Meeting	Ponta Delgada, São Miguel, Portugal	2025, October 10-12	Paulo A.V. Borges, Ana M.L. Seca, Gonçalo P. Rosa
	PSE Meeting 2025 – Phytochemicals as Drugs, Foods and Biocommunicators	Funchal, Madeira, Portugal	2025, October 22–24	Ana M.L. Seca
	VI Iberian Congress of Biological Systematics	Tenerife, Canary Islands, Sapin	2025, October 27-30	Paulo A.V. Borges
	14º Encontro Nacional de Cromatografia – 14º ENC 2025	Funchal, Madeira, Portugal	2025, December 4-6	Ana M.L. Seca
<b>Member of the Organizing Committee</b>	The 2nd International Electronic Conference on Entomology [part of the International Electronic Conference on Entomology series]: Biodiversity, Climate Change, Conservation, Ecology, and Evolution	Online event	2025, May 19–21	António Onofre Soares
	FLORA MAC 2025, 6th FloraMac International Symposium	Angra do Heroísmo, Terceira, Portugal	22-26 September 2025	Rui Bento Elias, Rosalina Gabriel, Paulo A.V. Borges
	11th Frontiers in E3, CE3C's Annual Meeting	Ponta Delgada, São Miguel, Portugal	10-12 October 2025	Patrícia Ventura Garcia, Maria do Carmo Barreto, António Onofre Soares, Wilson Rodrigues Tavares, Rosalina Gabriel
	Congress of of Microbiology and Biotechnology (Microbiotec 2025)	Ponta Delgada, São Miguel, Portugal	4-6 December 2025	Maria do Carmo Barreto
	Seminário Doutoral “Ana Neto”.	Ponta Delgada, São Miguel, Portugal	10-12 December 2025	António Onofre Soares

Type	Scientific Meeting	Location	Dates	GBA-CE3C Researcher(s)
Session moderator / chair	FÓRUM CYTED- Ambientes vulcânicos - laboratórios naturais para estudar impactos e avaliar oportunidades	Ponta Delgada, Portugal	21-22 Fevereiro 2025	Patrícia Ventura Garcia
	FLORA MAC 2025, 6th FloraMac International Symposium	Angra do Heroísmo, Terceira, Portugal	22-26 September 2025	Paulo A.V. Borges, Rui Bento Elias, Rosalina Gabriel
	11th Frontiers in E3, CE3C's Annual Meeting	Ponta Delgada, São Miguel, Portugal	10-12 October 2025	David Horta Lopes

Table 13. Participation in scientific meetings by GBA-CE3C members, including oral presentations (keynote, regular) and poster presentations (with/without flash talks), throughout 2025.

Type	Date	Local	Complete reference
Invited keynote presentation	January	Baeza, Andalucía, Spain	<b>Borges, P.A.V.</b> (2025, January 30-31). Using long-term monitoring to improve red-listing and green-listing. Workshop da Catedra da UNIA-IUCN "Evaluation of Non-Standard Taxonomic Groups for IUCN Red Lists", que decorreu em Sede Antonio Machado de Baeza, Universidad Internacional de Andalucía
		Praia da Vitória, Terceira, Portugal	<b>Gabriel, R.</b> (2025, January 28). Zonas Húmidas: Briófitos-indicadores de qualidade ambiental [Oral communication by invitation]. Seminário "Zonas Húmidas: Proteger para um futuro em comum". Câmara Municipal da Praia da Vitória. Academia de Juventude e das Artes da Ilha Terceira, Praia da Vitória, Terceira, Açores, Portugal.
	February	Praia da Vitória, Terceira, Portugal	<b>Borges, P.A.V.</b> (2025, February 2). Artrópodes a Biodiversidade oculta. Workshop "Zonas Húmidas: Proteger para um Futuro em Comum", que decorreu na Academia da Juventude e das Artes da Praia da Vitória.
	March	Horta, Faial, Portugal	<b>Borges, P.A.V.</b> (2025, March 11). Ameaças e impactos na biodiversidade terrestre. No Workshop "Património Natural e Áreas Protegidas dos Açores (componente terrestre e marinha)" que se realizou na Horta.
		Electronic Conference	<b>Gabriel, R.</b> (2025, March 12 ). Briófitos e Sustentabilidade: Conservação de espécies indicadoras de qualidade ambiental [Oral communication by invitation]. Palestra convidada por ocasião do 1º Webinar do projeto BIO4ALL - Biodiversity on the Islands 4 all. ASPEA.
		Angra do Heroísmo, Terceira, Portugal	<b>Borges, P.A.V.</b> (2025, March 14). Ameaças e impactos na biodiversidade terrestre. No Workshop "Património Natural e Áreas Protegidas dos Açores (componente terrestre e marinha)" que se realizou em Angra do Heroísmo.
		Angra do Heroísmo, Terceira, Portugal	<b>Gabriel, R.</b> (2025, March 14). Diversity at risk [Oral communication by invitation]. Palestra de apresentação do "Final workshop of the MacRisk Project". Universidade dos Açores, Angra do Heroísmo.

Type	Date	Local	Complete reference
		Ponta Delgada, São Miguel, Portugal	<b>Borges, P.A.V.</b> (2025, March 18). Ameaças e impactos na biodiversidade terrestre. No Workshop “Património Natural e Áreas Protegidas dos Açores (componente terrestre e marinha)” que se realizou em Ponta Delgada (18 de Março de 2025)
	April	Philipsburg, Sint Maarten	<b>Barreiros, J.P.</b> (2025, April 14). Fish evolution and Diversity. Palestra apresentada na American University of the Caribbean. Philipsburg, Sint Maarten, Antilhas Holandesas.
	May	Angra do Heroísmo, Terceira, Portugal	<b>Gabriel, R.</b> (2025, May 19). Campus de Integração: a experiência do GBA [Oral communication by invitation]. Programa Escola de Integração, Direção Regional das Comunidades do Governo dos Açores & Universidade dos Açores, Angra do Heroísmo. 19 de Maio.
		Electronic conference	<b>Borges, P.A.V.</b> (2025, May 20). Best practices for the implantation of long-term monitoring of forest arthropods: the SLAM project. 2nd International Electronic Conference on Entomology (S4. Biodiversity, Climate Change, Conservation, Ecology, and Evolution) que decorreu no dia 20 de Maio de 2025
	June	Bol Island, Croatia	<b>Lopes, D.H.</b> , Lima, P., Medeiros, R., Parreira, A., Soares, B., Barbosa, F., Reis, S., & Mexia, A. (2025, June 1-6). The Azores agricultural monitoring and warning network (RMAAA) [Invited oral presentation]. 60th Croatian and 20th International Symposium on Agriculture, Bol Island, Croatia.
		La Laguna, Tenerife, Canárias, Spain	<b>Seca, A.M.L.</b> (2025, June 4-6), Bioactive Compounds from Underutilized Plant Biomass: A Sustainable Strategy for High-Value Applications”, II Early Career Investigators’ Congress on Bio-Organic Research, Instituto Universitario de Bio-Orgánica Antonio González, San Cristóbal de La Laguna, Espanha, 4-6 junho, Book abstract pp. 07. <a href="https://ecicbior.webs.ull.es/conferencias/">https://ecicbior.webs.ull.es/conferencias/</a>
	July	Athens, Greece	<b>Borges, P.A.V.</b> (2025, July 3-6). The importance of long-term monitoring for the conservation of island arthropods. 16th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions -Athens”, que decorreu em Atena (Grécia) de 3 a 6 de Julho de 2025
		Aveiro, Portugal	<b>Garcia, P.</b> , Camarinho, R, Rodrigues, A. (2025, July 27-31). The silent risks of dormant volcanoes: respiratory health hazards [Oral communication by invitation]. 11th International Conference on Medical Geology-MEDGEO2025, 27-31 July, Aveiro, Portugal
	September	Angra do Heroísmo, Terceira, Portugal	<b>Borges, P.A.V.</b> (2025, September 23). DARWIN CORE & DATA PAPERS COURSE [Oral communication by invitation]. 6th FloraMac International Symposium (Angra do Heroísmo, 22-26 September 2025)
	October	Hunan, Changsha, China	<b>Seca, A.M.L.</b> (2025, October 23-27). Targeting age-related disorders: A study on the chemical composition and bioactivity of <i>Laurus azorica</i> [Oral communication by invitation]. In 5th International Conference on Natural Products and Human Health. Hunan University, Changsha, China, 23–27 October 2025.
	November	Lisboa, Portugal	<b>Garcia, P.</b> (2025, November 21). Ambientes vulcânicos e saúde planetária: uma análise à luz do microscópio [Oral communication by invitation]. 24º Encontro Nacional de Ecologia - Ecologia na Saúde Planetária, 20-22 November 2025, Lisbon, Portugal.

Type	Date	Local	Complete reference
Oral communication by invitation, in a roundtable	February	Lagoa, São Miguel, Portugal	<b>Soares, A.O.</b> (2025, February 8). What is an ecosystem service? An ecosystem service is any benefit that humans get from nature. Formação acreditada para professores do 1º e 2º ciclo: "Biodiversidade e Alterações Climáticas", ao abrigo do projeto "Learning Ventures for Climate Justice" organizado pela Expolab - Centro Ciência Viva, 8 de fevereiro, Lagoa, Portugal.
	July	Lagoa, São Miguel, Portugal	<b>Soares, A.O.</b> (2025, July 4). Ecosystem services are benefits that humans get from nature. Formação acreditada para professores do 1º e 2º ciclo: "Biodiversidade e Alterações Climáticas", ao abrigo do projeto "Learning Ventures for Climate Justice" organizado pela Expolab - Centro Ciência Viva, 4 de julho, Lagoa, Portugal.
Oral presentations	May	Electronic Conference	<b>Soares, A.O.</b> (2025, May 29). Ecosystem services provided by natural enemies. Encontros "CE3C Scientia", 29 de maio de 2025.
	June	Bol Island, Croatia	<b>Lopes, D.H.</b> , Lima, P., Parreira, A. & Mexia, A. (2025, June 1-6). The Azores agricultural monitoring and warning network (RMAAAA). Palestra apresentada na 60th Croatian and 20th International Symposium on Agriculture, Bol, Croatia (1-6 June 2025). ISSN 2459-5543
		Bratislava, Slovak Republic	Ávila, F., <b>Garcia, P.V.</b> , Rodrigues, A.S., Ladeira, C. (2025, June 2-5). Genotoxicity and cytotoxicity assessment in Pathology professionals through the buccal micronuclei assay. Book of Abstracts, p. 25, 53rd EEMGS congress / 47th Annual CSSMC Meeting (EEMGS/CSSMC 2025 Meeting), 2–5 June 2025, Bratislava, Slovak Republic.
		Brisbane, Australia	<b>Barreiros, J.P.</b> (2025, June 16). Marine Protected Areas - Why the Azores' plan is a failure. International Congress for Conservation Biology, Brisbane, Australia. June 16 AB488/ Speed talks.
		Brisbane, Australia	<b>Barcelos, L.D.</b> , Batista, A., Freitas, R., <b>Barreiros, J.P.</b> (2025, June 16). The Role of Functional Traits in Structuring Fish Assemblages Across the Macaronesian Archipelagos. International Congress for Conservation Biology, Brisbane, Australia. June 16 AB740/ Speed talks.
		Cervera de Pisuerga, Palencia, Spain	<b>Costa, R.</b> , Cardoso, P., <b>Borges, P.A.V.</b> , & Rigal, F. (2025, June 26-29). Can verticality influence macroecology patterns? A study on Macaronesian forest spiders. Jornadas Ibéricas de Aracnologia, Cervera de Pisuerga; Palencia, Spain. <a href="https://www.jornadasgia.com/xxiv/">https://www.jornadasgia.com/xxiv/</a>
	July	Pontevedra, Spain	Cedrés-Perdomo, R. D., Polaíno-Martín, C., Jennings, L., & <b>Gabriel, R.</b> (2025, July 7-10). Caves as biodiversity reservoirs for bryophytes on Terceira Island (Azores, Portugal) [Apresentação oral]. XXIV International Symposium of Cryptogamic Botany, Pontevedra, Espanha.
	September	Ponta Delgada, São Miguel, Portugal	Linhares, D., Gaspar, D., Bernardo, F., Beney, I., <b>Garcia, P.</b> , Rodrigues, A. (2025, September 8-12) Fluoride in Natural Springs of the Furnas Volcano (Azores): Environmental Exposure and Public Health Implications. XIV CONGRESSO IBÉRICO DE GEOQUÍMICA- CIG2025, 8-12 September 2025, Ponta Delgada, Portugal.
Angra do Heroísmo, Terceira, Portugal		<b>Andrade, R.</b> , <b>Gabriel, R.</b> , & <b>Elias, R.B.</b> (2025, September 23). Establishing long-term monitoring baselines for vascular plants across an elevational gradient in São Miguel Island (Azores) [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.	

Type	Date	Local	Complete reference
		Angra do Heroísmo, Terceira, Portugal	<b>Borges, P.A.V. &amp; Lhoumeau, S.</b> (2025, September 22). Seeing the Forest Through the Arthropods: Continuous Arthropod Surveillance as Indicators for Azorean Forest Quality [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	Camperio, G., Wildpret, W., Zemp, C., <b>Borges, P.A.V.</b> , Agosti, D., Catogni, L., de Nascimento, L., Emerson, B. C., <b>Gabriel, R.</b> , Lenzner, B., Mologni, F., Patiño, J., Otto, R., Ruck, P., Simoes, F., Suter, S., Kreft, H., & Guerrero-Ramírez, N. (2025, September 23). Foundations for an island biodiversity observation network (Island BON): A synthesis of monitoring practices [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	<b>Costa, R.</b> , Hasse, A. C., Rebelo, R., & <b>Boeiro, M.</b> (2025, September 22). Individual-based visitation networks and plant traits of the pride of Madeira ( <i>Echium candicans</i> ) [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	Guerrero-Ramírez, N., Ah-Peng, C., <b>Borges, P.A.V.</b> , Camperio, G., de Nascimento, L., <b>Elias, R.B.</b> , Essl, F., <b>Gabriel, R.</b> , Lenzner, B., Mologni, F., <b>Morgado, L.N.</b> , Otto, R., Patiño, J., Suter, S., Wildpret Martin, W., Weigelt, P., Zemp, C., & Kreft, H. (2025, September 22). Biodiversity monitoring of island ecosystems (BIOMONI) [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	Davide, X., <b>Andrade, R.</b> , <b>Gabriel, R.</b> , Pichon, L., & Taylor, A. (2025, September 23). Epiphytes and elevation: A bryophyte study on Terceira Island [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	<b>Mendes, J.</b> , <b>Borges, P.A.V.</b> , Silva, L. & Romeiras, M.M. (2025, September 22). The Impact of Climate Change on Cabo Verde's Endemic Flora [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	<b>Fatková, L.</b> , Rogošic, M., Sérgio, C., & <b>Gabriel, R.</b> (2025, September 23). Urban bryophytes in Angra do Heroísmo (Azores, Portugal): A first look at a Macaronesian city [Oral communication]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
	October	Ávila, Spain	<b>Boeiro, M.</b> , Ceia, H., Caramujo, M.J., Cardoso, P., Garcia-Pereira, P., Pires, D., Reis, J., Rego, C. "The Red List of terrestrial and freshwater invertebrates of mainland Portugal - a major step for Iberian biodiversity conservation". XXI Congreso Ibérico de Entomología, Ávila, Spain, 6-10 October 2025
		Ponta Delgada, São Miguel, Portugal	<b>Barcelos, L.D. &amp; Barreiros, J.P.</b> (2025, October 10-12). The role of functional traits in structuring fish assemblages across the Macaronesia archipelagos [Oral communication]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.

Type	Date	Local	Complete reference
		Ponta Delgada, São Miguel, Portugal	<b>Borges, P.A.V. &amp; Loumeau, S.</b> (2025, October 10-12). Assessing biodiversity erosion: a long-term perspective from the Azorean SLAM project [Oral communication]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Costa, R.,</b> Cardoso, P., Rigal, F. & <b>Borges, P.A.V.</b> (2025, October 10-12). Vertical stratification and niche shifts between juvenile and adult spiders in Oceanic Laurissilva Forests [Oral communication]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Loumeau, S. &amp; Borges, P.A.V.</b> (2025, October 10-12). Up from the bottom: consistent vertical distance-decay in arthropod assemblage similarity across native and exotic forests in Terceira island (Azores) [Oral communication]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Oyarzabal, G., Pozsgai, G.,</b> Tsafack, N., Cardoso, P., Rigal, F., <b>Boieiro, M., Santos, A.M.C., Amorim, I.R.,</b> Malumbres-Olarte, J., <b>Costa, R., Lhoumeau, S., Gabriel, R., &amp; Borges, P.A.V.</b> (2025, October 12). Why functionally dissimilar exotic coexists with Azorean endemic species? A Darwin's conundrum investigation [Oral communication]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Funchal, Madeira, Portugal	<b>Rosa, G.P.,</b> Gouveia, V.L.M., <b>Tavares, W.R., Barreto, M.C., &amp; Seca, A.M.L.</b> (2025, October 22-24). Exploring the Azorean chemodiversity: Phytochemicals from terrestrial and marine flora as sources of bioactive compounds (Comunicação oral). In PSE Meeting 2025 – Phytochemicals as Drugs, Foods and Biocommunicators (PSE 2025): Book of Abstracts (OC22, p.43). Funchal, Madeira, Portugal, 22–24 October 2025.
		La Laguna, Tenerife, Spain	Macías-Hernández, N., Domènech, M., Ramos, C., Arnedo, M., Emerson, B., <b>Borges, P.A.V. &amp; Cardoso, P.</b> (2025, October 27-31). Biodiversity drivers and community assembly on islands and continents. VI Iberian Congress of Biological Systematics, San Cristóbal de La Laguna, Tenerife, Spain, 27-31 October 2025.
	December	Porto, Portugal	Mineiro, N., Pereira, L., Macedo, J., <b>Garcia, P.,</b> Rocha, F., Carneiro, V., Cabral, R., Pimentel, R., Faria, J., Cabral, J., Amaral, J., Gabriel, J., Rodrigues, M., Simões, R., & Fernandes, V. (2025, December 5) Oral Microbiome Variation in Active Volcanic Environments: High-Throughput Study from São Miguel (Azores). III IMMUNOHUB ERA CHAIR ANNUAL MEETING, 5 December, Porto, Portugal.
<b>Author/co-author of poster</b>	February	Málaga, Espanha	<b>Arroz, A.M.,</b> Loureiro, A., Lopes, R., Castro, S., <b>Picanço, A., Amorim, I.R.,</b> Carvalho, C.B., & <b>Gabriel, R.</b> (2025, February 3-6). Promoção de consensos na investigação do contacto com a natureza: uma abordagem participativa [Comunicação apresentada no XVII Congresso de Psicologia Ambiental]. XVII Congresso de Psicologia Ambiental, 3-6 February, Málaga, Espanha.
	May	Ponta Delgada, São Miguel, Portugal	Ferreira, E.A., <b>Barreiros, J.P., Barcelos, L.D.</b> (2025, May 14) Occurrence and Distribution of Cetaceans on Madeira Island: Contributions to Conservation and Management 36th conference of the European Cetacean Society 2025 - Navigation waters of change   Conference poster

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		Ponta Delgada, São Miguel, Portugal	Quijano, C.O., Rademaker, M., <b>Barcelos, L.D.</b> , <b>Barreiros, J.P.</b> , Oudejans, M., Bronswijk, E., Visser, F. (2025, May 15). Spatio-temporal patterns in foraging behaviour of deep-diving cetaceans in Azores. 36th conference of the European Cetacean Society 2025 - Navigation waters of change   Conference poster
		Electronic Conference	<b>Soares, A.O.</b> , Vale, M., <b>Borges, I.</b> , & Lucas E. (2025, May 19–21). Influence of refuge availability on the oviposition strategy of anachoretic and non-anachoretic aphidophagous ladybirds. 2nd International Electronic Conference on Entomology”, Sessão “Behaviour, Biology, and Physiology”. Organized and sponsored by MDPI.
	June	Pontevedra, Galicia, Spain	Santos, Ana M.C., <b>Dueñas-Roja, A.</b> , Cuesta, E., <b>Parmentier, L.</b> , Leite, A., & <b>Borges, P.A.V.</b> (2025, June 2-7). Dung beetle diversity and ecosystem functions in Azorean pastures amid climate change. III SIBECOL & XVII AEET Meeting, at the Pazo da Cultura de Pontevedra, Galicia, Spain
		Tampere, Finland	Guerrero-Ramírez, N., Ah-Peng, C., <b>Borges, P.A.V.</b> , Camperio, G., de Nascimento, L., <b>Eliás, R.B.</b> , Essl, F., <b>Gabriel, R.</b> , Lenzner, B., Mologni, F., <b>Morgado, L.N.</b> , Patiño, J., Suter, S., Wildpret Martin, W., Zemp, C., & Kreft, H. (2025, June 23-27). Biodiversity monitoring of island ecosystems (BioMonI) [Poster]. eLTER conference Towards a whole-system approach for ecosystem science”, Tampere, Finland.
	July	La Laguna, Tenerife, Spain	<b>Tavares, W.R.</b> , Ponte, L.R., <b>Barreto, M.C.</b> , & <b>Seca, A.M.L.</b> (2025, July 21-23). Impact of in vitro gastric digestion in the antioxidant and antidiabetic activities of <i>Gunnera tinctoria</i> (Molina) Mirbel ethanolic extract [Poster]. In Advances in Biomedical Research 2025 (ABRE 2025): Book of abstracts (p. 71). University of La Laguna, San Cristóbal de La Laguna, Tenerife, Spain.
		La Laguna, Tenerife, Spain	<b>Tavares, W.R.</b> , <b>Viveiros, M.M.</b> , Medeiros, V. P., <b>Seca, A.M.L.</b> , & <b>Barreto, M.C.</b> (2025, July 21-23). Potential cosmetic application of <i>Laurus azorica</i> leaves. In Advances in Biomedical Research 2025 (ABRE 2025): Book of abstracts (p. 72-73). University of La Laguna, San Cristóbal de La Laguna, Tenerife, Spain.
	September	Naples, Italy	<b>Rosa, G.P.</b> , <b>Tavares, W.R.</b> , <b>Barreto, M.C.</b> , & <b>Seca, A.M.L.</b> (2025, September 3). Bioguided optimization of $\alpha$ -glucosidase inhibitors by ultrasound-assisted extraction [poster]. In 73rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA): Book of abstracts (P302, p.445) Naples, Italy, August 31–September 3, 2025.
		Bologna, Italy	<b>Soares, A.O.</b> , Vale, M., <b>Borges, I.</b> , Lucas, E. (2025, 8-12). Influence of refuge availability on the oviposition strategy of anachoretic and non-anachoretic aphidophagous ladybirds. 16th International Symposium on Ecology of Aphidophaga”, IOBC/WPRS Working Group "Ecology of Aphidophaga", 8-12 de setembro, Bolonha, Itália.
		Bologna, Italy	Cubí, M., <b>Borges, I.</b> , Lucas, E., <b>Soares, A.O.</b> (2025, September 8-12). Development and reproductive investment of anachoretic and non-anachoretic aphidophagous ladybirds. 16th International Symposium on Ecology of Aphidophaga”, IOBC/WPRS Working Group "Ecology of Aphidophaga", Bolonha, Itália.
		Bologna, Italy	<b>Calado, H.R.M.G.</b> , Heleno, R., <b>Borges, P.A.V.</b> , & <b>Soares, A.O.</b> (2025, September 8-12). Contrasting structure of trophic networks from the Azores and mainland Portugal. 16th International Symposium on Ecology of Aphidophaga”, IOBC/WPRS Working Group "Ecology of Aphidophaga", Bolonha, Itália.

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		Angra do Heroísmo, Terceira, Portugal	<b>Morgado, L.N., Gabriel, R., Sérgio, C., &amp; Gonçalves-Esteves, V.</b> (2025, September 23). Spore morphology of the Macaronesian endemic moss <i>Alophosia azorica</i> (Ren. et Card.) Card. (Polytrichopsida, Polytrichaceae) [Poster]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	<b>Silveira, G. M., &amp; Gabriel, R.</b> (2025, September 23). Improving the biodiversity knowledge in the Azores: New records of bryophytes and lichens for São Jorge Island [Poster]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Angra do Heroísmo, Terceira, Portugal	<b>Sousa, M. A., Lamelas-López, L., Elias, R.B., Gabriel, R., &amp; Borges, P.A.V.</b> (2025, September 23). A multitaxa approach to biodiversity inventory in Matela Protected Area (Terceira, Azores, Portugal) [Poster]. 6th FloraMac International Symposium, Angra do Heroísmo, Terceira Island, Portugal, 22-26 September 2025.
		Sevilla, Spain	Redolosis, Y., de la Cruz Martín, A., <b>Borges, P.A.V., Vieira, V., &amp; Gouveia, C.</b> (2025, September 18-21). Results of nocturnal insect monitoring in the Azores under the LIFE NATURA@NIGHT project (Poster). VII Congreso Internacional de Biodiversidad y Conservación de la Naturaleza (18-21 September 2025).
	October	Ponta Delgada, São Miguel, Portugal	<b>Calado, H.R.M.G., Heleno, R., Borges, P.A.V. &amp; Soares, A.O.</b> (2025, October 10-12). Contrasting structure of trophic networks from the Azores and mainland Portugal [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Crespo, L.C., Amorim, I.R., Pereira, F. &amp; Borges, P.A.V.</b> (2025, October 10-12). Unveiling arthropod collection data of subterranean habitats of the Azores, stored at the University of Azores [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Gabriel, R., Arroz, A.M., Elias, R.B., Alvares, D.F., Medeiros, T., Barreiros, J.P. &amp; Borges, P.A.V.</b> (2025, October 10-12). Designing inclusive biodiversity observation networks: the BioMust4All approach [Poster]. 11th CE3C Annual Meeting - Frontiers in E3: Building a Healthy Future in an Unstable World, Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Rosa, G.P., Tavares, W.R., Barreto, M.C., &amp; Seca, A.M.L.</b> (2025, October 10-12). Bioactivity-guided optimization of <i>Gunnera tinctoria</i> (Molina) Mirbel extraction to enhance its pharmaceutical potential [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Lucas, M.F.F.S.A., Seca, A.M.L., &amp; Barreto, M.C.</b> (2025, October 10-12). Antioxidant, anti-metabolic disorders and anticholinesterase potential of <i>Laurus azorica</i> leaf extracts [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.

Type	Date	Local	Complete reference
		Ponta Delgada, São Miguel, Portugal	<b>Madeira, T.,</b> Aguiar, A., Bettencourt M.L., Dias, A.C., <b>Lopes, D.H.</b> (2025, October 10-12). Dietary Exposure to Chemical Contaminants in the Azores: A Risk Assessment Approach Based on Local Food Consumption [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Viveiros, M.M.,</b> Medeiros, V.P., <b>Seca, A.M.L., &amp; Barreto, M.C.</b> (2025, October 10-12). <i>In Vitro</i> Antiaging effects of extracts from <i>Laurus azorica</i> leaves [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Tavares, W.R., Barreto, M.C., Seca, A.M.L., &amp; Cabrera, R.</b> (2025, October 10-12). Invasive plants as potential biofungicides – Antifungal properties of <i>Gunnera tinctoria</i> (Molina) Mirbel and <i>Hedychium gardnerianum</i> Sheph. ex Ker Gawl. against the agricultural phytopathogens <i>Alternaria alternata</i> , <i>Botrytis cinerea</i> and <i>Fusarium oxysporum</i> [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Morgado, L.N., Borges, P.A.V., Gabriel, R &amp; Elias; R.B.</b> (2025, October 10-12). Biodiversity Monitoring in Island Ecosystems (BioMonI): Studies Conducted in the Azores [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Soares, A.O.,</b> Vale, M., <b>Borges, I., &amp; Lucas, E.</b> (2025). Influence of refuge availability on the oviposition strategy of anachroetic and non-anachroetic aphidophagous ladybirds [Poster]. In 11th Frontiers in E3, CE3C's Annual Meeting - Shifting Tides: Building a Healthy Future in an Unstable World (CE3C2025). Ponta Delgada, São Miguel, Portugal, 10-12 October 2025.
		Funchal, Madeira, Portugal	<b>Lucas, M.F.F.S.A., Seca, A.M.L., &amp; Barreto, M.C.</b> (2025). Phytochemical study and in vitro activity of <i>Laurus azorica</i> leaf extracts against aging-related diseases (Poster). In Phytochemicals as Drugs, Foods and Biocommunicators (PSE 2025): Book of Abstracts (PC57, p. 110). Funchal, Madeira, Portugal, 22–24 October 2025.
		Funchal, Madeira, Portugal	<b>Viveiros, M.M.,</b> Medeiros, V.P., <b>Seca, A.M. L., &amp; Barreto, M.C.</b> (2025, October 22-24). Phytochemical constituents and biological activity of Morella faya leaves (Poster). In PSE Meeting 2025 – Phytochemicals as Drugs, Foods and Biocommunicators (PSE 2025): Book of Abstracts (PC47, p. 100). Funchal, Madeira, Portugal, 22–24 October 2025.
		Funchal, Madeira, Portugal	<b>Tavares, W.R., Barreto, M.C., Seca, A.M.L.,</b> Hernández-Álvarez, E., Jimenez, I. A., & Bazzocchi, I. L. (2025, October 22-24). Isolation of a triterpenoid-like compound with antidiabetic properties from <i>Gunnera tinctoria</i> (Molina) Mirbel ethanolic extract via bioassay-guided fractionation (Poster). In Phytochemicals as Drugs, Foods and Biocommunicators (PSE 2025): Book of Abstracts (PC77, p. 130). Funchal, Madeira, Portugal, 22–24 October 2025.
	November	Castellón, Spain	<b>Madeira, T.,</b> Aguiar, A., Bettencourt M.L., Dias, A.C., <b>Lopes, D.H.</b> (2025, November). Integrated approaches for food safety and pest monitoring within the ALSEMAC project framework. IOBC-WPRS Meeting on Integrated control in citrus fruit crops (Castellón, Spain 25-27 November 2025)

Type	Date	Local	Complete reference
	December	Ponta Delgada, São Miguel, Portugal	Costa, A.F.S., <b>Viveiros, M.M., Rosa, G.P.,</b> Machado, A., <b>Seca, A.M.L., &amp; Barreto, M.C.</b> (2025, December). Exploring the antibacterial potential of Azorean macroalgae extracts against opportunistic pathogens [Poster] Congress of Microbiology and Biotechnology 2025 (MICROBIOTEC'25), University of the Azores, Ponta Delgada, São Miguel, Portugal, 4-6 December 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Viveiros, M.M.,</b> Alarcón, L., Machado, A., Medeiros, V.P., <b>Seca, A.M.L., &amp; Barreto, M.C.</b> (2025, December). Preliminary evaluation of the antibacterial potential of <i>Laurus azorica</i> and <i>Morella faya</i> extracts [Poster]. Congress of Microbiology and Biotechnology 2025 (MICROBIOTEC'25), University of the Azores, Ponta Delgada, São Miguel, Portugal, 4-6 December 2025.
		Ponta Delgada, São Miguel, Portugal	<b>Calado, H.R.M.G., Borges, P.A.V.,</b> Heleno, R., <b>Soares, A.O.</b> (2025, December). Consequences of slow and fast development in <i>Scymnus nubilus</i> : effect of prey type. Seminário Doutoral “Ana Neto”, Organizado pelo Curso de Doutoramento em Biologia, 10-12 de dezembro, Ponta Delgada, Portugal.
		Ponta Delgada, São Miguel, Portugal	<b>Calado, H.R.M.G.,</b> Heleno, R., <b>Borges, P.A.V., &amp; Soares, A.O.</b> (2025, December). Contrasting structure of trophic networks from the Azores and mainland Portugal. Seminário Doutoral “Ana Neto”, Organizado pelo Curso de Doutoramento em Biologia, 10-12 de dezembro, Ponta Delgada, Portugal.
		Ponta Delgada, São Miguel, Portugal	<b>Raposo, V.,</b> Suay, S. Lucas, E. <b>Soares, A.O.</b> (2025, December). Development and reproductive investment of anachoretic and non-anachoretic aphidophagous ladybirds. Seminário Doutoral “Ana Neto”, Organizado pelo Curso de Doutoramento em Biologia, Ponta Delgada, Portugal, 10-12 December 2025.

