



AIRCENTRE

ATLANTIC INTERNATIONAL RESEARCH CENTRE

MANAGEMENT AND FINANCIAL REPORT 2023



Headquarters and Earth Observation Lab

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aircentre.org



AIR Centre - Atlantic
International Research Centre





AIR CENTRE

ATLANTIC INTERNATIONAL RESEARCH CENTRE

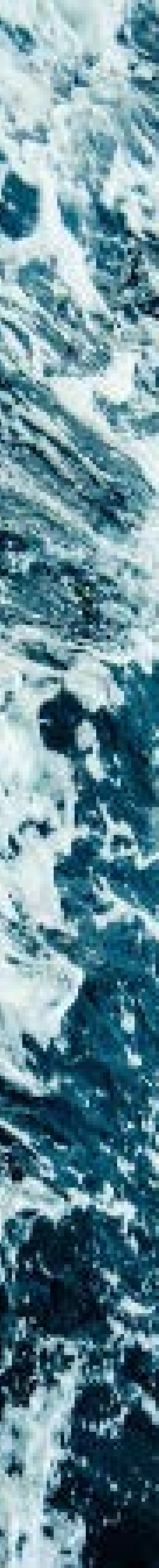
Approved by the Board of Directors
on February 26 2024



Miguel Miranda
(Executive Director)



Paulo Gadelha
(President of the Board of Directors)



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Message from the Executive Director



I joined AD AIR Centre in September 2023. After five years of continuous growth of the organization, it is the time to revisit the results obtained, and to rethink on the future.

The cooperation between the Atlantic countries is on all agendas, but the real progress is not at the level of the expectations. Nevertheless, the role of the AIR Centre is increasingly important because it can combine networking, change of information and experiences, with the development of bilateral and multilateral initiatives that can strengthen our partners and better fulfill our commitment to Atlantic communities.

Ocean, climate, and space address subsystems of the Earth, with strong interconnections, that need a new effort on monitoring, science, and technology. But the critical factor is, and always will be, people. We are in the middle of a long and difficult path, but our future needs more fair cooperation, better distributed capacities, and a long-term understanding between the different communities. AIR Centre can be a good contribution in this direction.

Main Indicators 2018 - 2023



The Network

Associated Member Countries

	Fundação para a Ciência e a Tecnologia - FCT		Secretaría Nacional de Ciencia y Tecnología - Senacyt
	Governo Regional dos Açores - GRA		Université Abdelmalek Essaadi - UAE
	Instituto Nacional de Investigação Pesqueira e Marinha - INIPM		National Space Research and Development Agency - NASRDA
	Governo do Estado da Bahia (Secretaria do Meio Ambiente) - SEMA BA		Department of Science and Innovation - DSI
	Instituto do Mar - IMar		Plataforma Oceánica de Canarias - PLOCAN
	Ministerio de Ciencia, Tecnología e Innovación - Minciencias		Department for Science, Innovation and Technology - DSTI
	Pole Mer Bretagne Atlantique		

The AIR Centre network in the Atlantic



Figure 1: Map of the AIR Centre Network



1. The AD AIR Centre - Preparing the Future

The “Associação para o Desenvolvimento do AIR-Centre - AD AIR Centre” is an international private non-profit organization established under the Portuguese law, on the 16th of April 2018. Its headquarters are located at Ilha Terceira, Azores and it holds an Office in Lisbon that hosts the Secretariat. At the end of 2023 the AIR Centre counted with 12 countries (or states) as associated members: Angola, Brazil, Cabo Verde, Colombia, France, Guatemala, Morocco, Nigeria, Portugal, South Africa, Spain, and the United Kingdom. The network includes a delegation in Namibia.

The AD AIR Centre aims at implementing an international organization based on science, able to bring together organizations from the countries of the Atlantic basin, with common values and objectives: to promote knowledge generation and transfer, to support environmental monitoring including early warning, and to boost the blue economy. Being a cooperative and solidary organization, it will promote fair cooperation between Atlantic regions and scientific, technological, economic, and social co-development.

The effort developed up to now by the AD AIR Centre focused on the design of an association of Atlantic countries and organizations, willing to tackle the preservation of the Atlantic environment, in coordination with global agendas, but focusing on the specific needs of all communities, and on the promotion of capacities to use modern technologies, namely those based on earth observation. Differences between the different partners were seen as an advantage for a more sustainable and diverse future.

The first funding program for the AD AIR Centre was established between 2018 and 2023. During 2023 a process of strategic planning took place. It was understood that it was the time to reframe and refocus the AIR Centre trajectory in the larger context of transformation where long-term consultation, and

dialogue platforms are instrumental to face global challenges. This process involved the whole organization, led to significative changes in the internal structure, and is still under way. The funding program 2024-2028 was approved by the Portuguese Government and bilateral consultation is progressing well.

In the last 5 years the AD AIR Centre developed strong, long-lasting, relationships with stakeholders across all sectors and is recognized as a player for effective marine science & innovation collaboration in the region and beyond. Around the Atlantic Basin relevant players came together, actively participated in the activities where the AIR Centre is a player. This experience gave us a valuable insight into what works well when it comes to engaging with different groups, which is a unique advantage when reaching new audiences both inside and outside of the Atlantic basin. As a result of the role of the association in the Atlantic community, we actively participated on, or coordinated, several key initiatives, and developed our own technical, scientific, and administrative capacities.

In the following sections we will address the progress made in the association during 2023, using the same action plan that was approved in November 2022.

Evolution of the AIR Centre through its management and financial report



2018



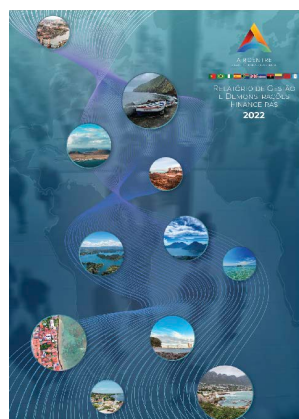
2019



2020



2021



2022



2023



2. AD AIR Centre Progress made during 2023

2.1 Implementation of new products and services

2.1.1 Marine debris

The laboratory established in the headquarters at Terinov, in Terceira Island (EOLAB), developed POS2IDON, a data pipeline for ocean feature detection (marine debris included) with Copernicus. The pipeline provides several user input options to automate the process of gathering user input, Sentinel-2 data and process them into scene classification maps based on Machine Learning models previously trained with a spectral signatures' library (which the EOLAB team expanded), as well as a classification engine. It also includes an example of front-end but reporting of information based on engine output.

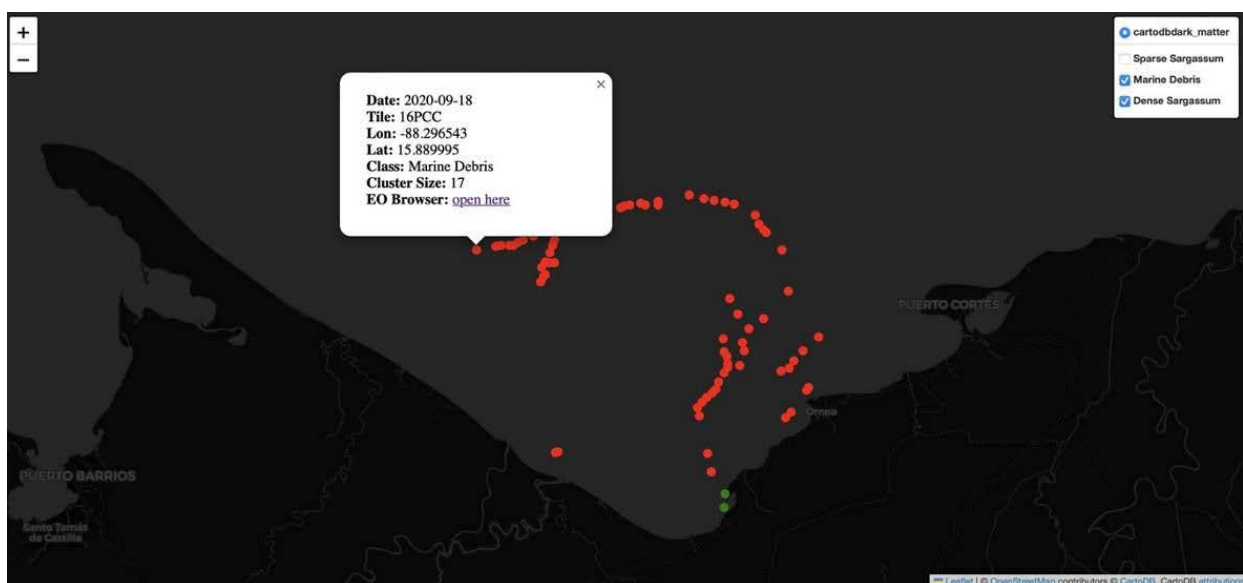


Figure 2: POS2IDON front end.

2.1.2 PM2.5 early warning

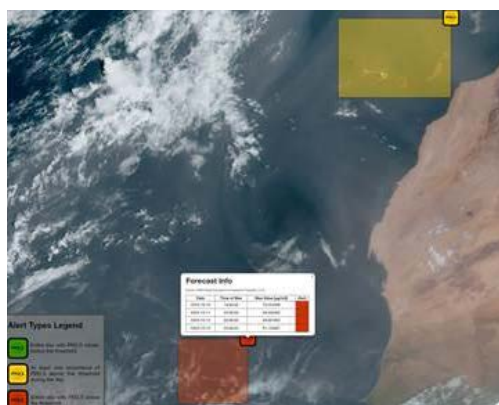


Figure 3: PM2.5 preliminary front-end.

EOLAB developed a prototype of an atmospheric early warning system engine (PM2.5). It consists of a data pipeline and engine that gets data and classifies events based on the risk of occurrence of Particulate Matter in the atmosphere with an aerodynamic diameter ≥ 2.5 μm (microns), based on data from the Copernicus Atmosphere Monitoring Service (CAMS). The engine includes an example of front-end, but reporting of information based on engine output can take many user-specific forms, from reports to alerts, to web-platforms.

2.1.3 Improvement of SAPc service



Figure 4: SAPc logo.

EOLAB developed further features to the SAPc service (Sistema de Alerta *Pithomyces chartarum*), as responses to user requests. For example, the identification of sector on the mobile application, based on current user location, and the possibility for the Regional Laboratory of Veterinary to add additional information when logging the results of the analysis on the platform. Additionally, created a new part of the platform for the power management of in-situ stations.

2.1.4 Software infrastructure for data management

EOLAB developed an API for the online access of meteorological data of the AD AIR Centre's database (to be made publicly available through the main API which includes authentication services), created a data visualisation application for the LoRaWAN-based fleet tracking, and a webhook for the collection and collation of location data for a SWARM sensor.

2.2 Start of the operations of the Data-Centre and the Direct Receiving Station

2.2.1 EOLAB Data Centre



Figure 5: Interior view of the EOLAB Data Centre.

EOLAB improved the data centre (built in 2022), with hardware (servers for storage and web-servers). Additionally, maintained the Direct Receiving Station (DRS) X-Band (installed in 2022) which ingests satellite data in real-time as the satellites Terra, Aqua, Suomi-NPP, NOAA-20 and Feng-Yun-3 pass above it. The data ingested is immediately processed and stored for one week. In 2023, the EOLAB team started the development of the indexing/cataloguing and storing service. This retrieves the data as it is produced, stores it and catalogues it, allowing us to make it immediately available online via an API (to be developed), with a latency between 2 and 13 minutes from

the passage of a satellite. For a comprehensive list of satellites, instruments and products, and their descriptions, see the link: <https://www.aircentre.io/app/apis/>. This website is under construction and will provide information about AIR Centre data and APIs to access it.

In 2023, the EOLAB team installed and configured the internet access via the Portuguese Scientific Internet Service Provider – FCCN. The EOLAB team also created and configured the EOLAB Data Centre internal network and configured its Firewall. The DRS system was upgraded to use the new internet connection. New hardware (servers for the EOLAB Data Centre) were also installed in 2023, which were configured, cyber-secured and provided fixed IP's by the EOLAB team. The storage software was installed and tested. Support from the manufacturer is necessary for unlocking full performance. The indexing cataloguing service was developed and tested for ten products. The API for making the products available shall be developed in 2024.

UNEP-GRID, through GRID-node Geneva, has shown interest in the EOLAB Data Centre data. The hosting of a geo-server at the EOLAB Data Centre will be needed. For that, the EOLAB team is planning to acquire processing capacity for its Data Centre in 2024.

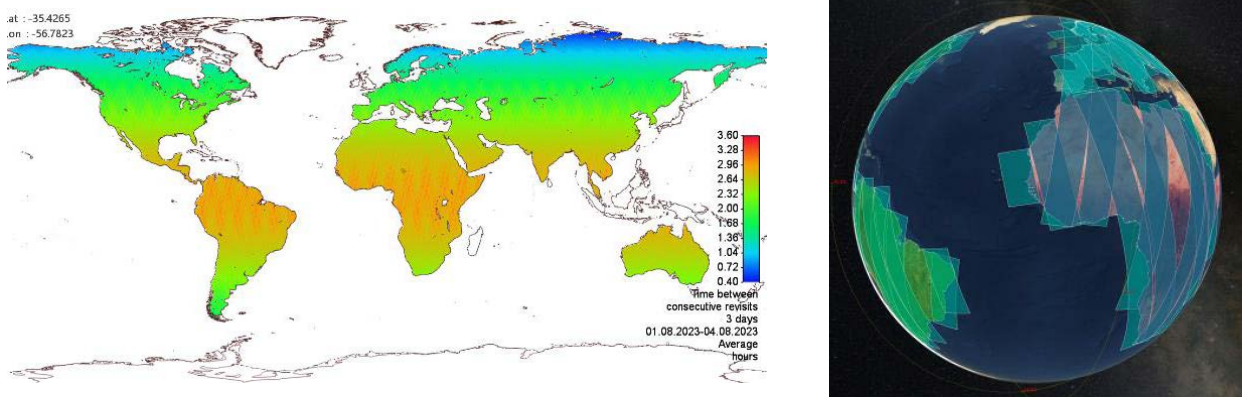
2.2.2 Portugal Blue Digital Hub

Portugal Blue Digital Hub (PBDH) is a consortium of entities, led by Forum Oceano (FO), Portugal's Blue Economy Cluster (recognized as such by the Ministry of Economy and Sea, under the EU's industrial clusters policy). The AIR Centre is responsible for provision of satellite data service based on near real-time raw and processed data products from its DRS station, and by keeping alive the marine data and information services. Facilitate the engagement and enrollment of new marine data using its internationally distributed collaborative network. Data to be available for users on Portugal Ocean Big Data Platform catalog.

2.3 Atlantic Constellation

2.3.1 EO VHR downstream services for the associates

In the framework of the Portuguese Recovery and Resilience Plan, within the framework of the Space Agenda, the AD AIR Centre is responsible for defining user requirements and associated services including business analysis and models for different use cases and service demonstration. AIR Centre also participates in the defining Atlantic Constellation requirements from the user point of view (WP2 and 3) and Digital Planet (WP4) in what concerns biodiversity monitoring, estimating ocean physical parameters and processing Big Data through Machine Learning. AIR Centre also leads WP5 for the setup and configuration of services for the Atlantic. The involvement of the AIR Centre team started in the 3rd trimester of 2023.



The availability of Downstream services for the associates will start in December 2023 using archive data and updates will be done in the future.

2.4 Development of a Geoinformation EO Data-Hub

2.4.1 Cooperation with ESA

The use of space-based information as a tool to monitor the ocean environment and to study physical, chemical, and biological processes which have a surface signature, is the only means to address the scale needed for the Atlantic. The AD AIR Centre team participated in several key initiatives in cooperation with the European Space Agency, with focus on societal meaningful applications and the use of geoinformation as a planning tool (EOatSEE, GD-AID).

AD AIR Centre contribution to “EO@SEE” is the leadership of WP1200, Scientific Requirements Workshop (successfully conducted in September 2022), WP7100, Scientific Roadmap Workshop and WP8000, Promotion, Outreach and Coordination.

AD AIR Centre contribution to “GD-AID” includes the coordination of the interactions with the World Bank and the Asia Development Bank and the engagement of all stakeholders, specifically for each single-use case. It also keeps an overall and synergic view of the interactions with all the stakeholders to guarantee an organic and common approach.

2.4.2 COPERNICUS uptake

A series of initiatives were developed to promote existing datasets, tools and training. The goals were: (i) to promote the uses of Copernicus with a wide geographic distribution; (ii) to continue to promote the organization/coordination of information on actual and potential Copernicus users, their skills and needs; and (iii) to continue to provide training to foster the uptake of Copernicus data and information within all relevant national users (public administration, academia, non-governmental organizations, private sector). One example of an activity that includes Copernicus update was the five-day

workshop JuliaEO 2023 (<https://aircentre.github.io/JuliaEO/>), with 40 in-person participants and over 270 online.

The final event of the FPCUP Action 2020-3-5 Copernicus SMEs - Atlantic Ocean Interactions took place in Cabo Verde and was considered a great success with wide participation. Other PFCUP activities continued as expected throughout 2024.



Figure 7: Event in Cabo Verde "Fostering Blue and Green Growth in Wester Africa with Earth Observation"

2.4.3 AIR Centre Geo Data Hub

The daily data products produced and stored at the AIR Centre, along with other data captured and curated for easy embedding in services are of interest for several institutions (e. g. UNEP-GRID, OKEANOS, SF-Colab). Data-in cataloguing service for the DRS was created in 2023, joining other previously created for in-situ data and administrative boundaries. An API to make the data available online will be created in 2024.

2.5 Coordinate international technical and scientific efforts for the EU flagship initiatives

2.5.1 Implementation of the Belém Statement under the AAORIA

The 2022 “All-Atlantic Declaration” (AAORIA Declaration) signed in Washington D.C. gave a new impulse to this movement gathering under the same declaration the EU and other 7 Atlantic bordering States: United States, Canada, Brazil, South Africa, Argentina, Cabo Verde and Morocco. AD AIR Centre had a significative participation in three initiatives in-line with AAORIA to support the implementation of the Belém Statement and the AAORIA Declaration (MISSION ATLANTIC, ASTRAL, AA-MARINET).

AD AIR Centre’s contribution to “MISSION ATLANTIC” was in the form of cooperation and science diplomacy. This includes ensuring linkage between the All-Atlantic Forum and governmental efforts in partner countries, integrating MISSION ATLANTIC into high-level events, and representing AIR Centre in High-Level Industry-Science-Government Dialogues. AIR Centre also provided input to Future Human Capacity & Learning Objectives.

AD AIR Centre contribution to “ASTRAL” is focused on the coordination of WPI: Collaborative Ecosystem for Aquaculture in the Atlantic, aimed at the design and implementation of the Atlantic Aquaculture Network in the Atlantic area. AIR Centre established dialogues and interactions with Belém Statement related projects, namely AANChOR, to exchange information, co-create joint activities and promote networking among partners interested in transatlantic interactions.

AD AIR Centre contribution to “AA-MARINET”, a joint pilot action developed in scope of the AANChOR project, was the hosting and update the website, the support to virtual meetings, and the promotion of content hackathons.

2.5.2 EU Mission Restore Our Ocean and Waters

The European Union defined 2030 as a target for a mission called “Restore our Ocean and Waters”. The focus is on protection and restoration of the Ocean and Waters health based on research and innovation, citizen participation and blue investments. The AIR Centre participates in four initiatives in-line with this Mission, centered on the restoration of marine ecosystems, the use of nature-based solutions, and the implications for the food chain, including circular economy (BlueMissionAA, A-AAGORA, ICEBERG, and SBEP).

AD AIR Centre contribution to “BlueMissionAA” includes the responsibility for the Project Coordination (WP6) which includes the overall legal, financial, administrative, and managerial tasks as well as all exchanges with EC. AIR Centre also manages issues related to Data Management, GDPR and Ethics, organizes regular consortium meetings, coordinates synergies with relevant EU projects and performs communication and outreach tasks. On July, 2023, the AD AIR Centre within the frame of “BlueMissionAA” CSA started a weekly webinar series focused on the dissemination of solutions developed by Mission Ocean Projects and All-Atlantic Projects, which can be further scaled-up or replicated in other areas. The main theme of this series is the preservation and restoration of marine and coastal ecosystems and biodiversity, but we will also promote solutions for the restoration of freshwaters systems, marine pollution, and carbon neutral blue economy developed in other basins that could be of interest for the Atlantic and the Arctic.

AD AIR Centre contribution to “A-AAGORA” includes the responsibility for WP5 on Channels for Communication and Community Development leading the task related to cooperation with related project initiatives and mission as well as the task of outreach and training activities. Also participates in WP4 to co-create sustainable business models through comprehensive data collection at the demonstration’s scale.

AD AIR Centre contribution to “ICEBERG” is focused on WP2 Risk assessment and local resilience strategies for ecosystems and communities in response to pollution by adding its expertise in integrative approach to space, climate, ocean

for marine litter mapping. It also contributes to the policy recommendation regarding MPAs in WP3 Facilitating effective science-based pollution-control governance.

AD AIR Centre contribution to “SBEP” is centered on promoting the cooperation among the regional sea basins and the Atlantic initiatives as part of the Brussels Cellule and as SBEP Contact Node for the Atlantic Ocean. In addition, the AIR Centre is a contributor to the definition, development of communication, dissemination, and outreach strategy of the SBEP. This includes a series of webinars on Ocean Literacy.

2.5.3 Other European funded initiatives

AD AIR Centre participated in several initiatives funded by Europe through the programs H2020, InterReg and Horizon Europe, where innovation and research contribute directly to the objectives of the AIR Centre (NEXTOCEAN, E5DES, LabPlas, BioEcoOcean).

AD AIR Centre contribution to “NEXTOCEAN” focuses the engagement of end users for co-creation and demonstration of EO Services for aquaculture and fisheries.

AD AIR Centre contribution to “E5DES” aims at increasing visibility, improving the technological and scientific research capacities of a digital platform. It is also responsible for subcontracting a technical and economic feasibility study for the introduction of renewable energy in Cabo Verde, based on the results of the workshop held there on the improvement of desalination capabilities.

AD AIR Centre contribution to “LABPLAS” is focused on the connection with stakeholders, prioritizing capacity building and collaboration with global ocean observation initiatives as well as with the biodiversity community that seeks to develop a framework for global biodiversity monitoring. AD AIR Centre also develops advanced remote sensing observations of marine biodiversity, and the use of HR imagery to improve the capacity to compute macroalgae and seagrass distribution maps from space, specialized algorithms for automatic detection and classification of plastic from multispectral imagery.

AD AIR Centre contribution to “BioEcoOcean” includes the responsibility to foster the connection with stakeholders in the project co-creation, prioritizing capacity building and collaboration with global ocean observation initiatives as well as with the biodiversity community that seeks to develop a global framework for biodiversity monitoring and advancing remote sensing observations of marine biodiversity. HR remote sensing is used to improve the capacity to generate macroalgae and seagrass distribution maps from space, as well as to reduce the uncertainty about the status and trends of macroalgae and seagrass in specific test sites.

AD AIR Centre contribution to “Vinhas da Terceira” includes the coordination of the project and the collection of in situ data in real-time and the analysis to provide important information about the state of the vineyard, complementing and correlating it with Earth Observation data.

AD AIR Centre contribution to “SAPc” is focused on the development of the web application and interface, IoT network and sensorization, incorporation of information on the state of vegetation of pastures through in-situ sampling and remote observation. AIR Centre is also promoting the transfer of developments to the industry.

AD AIR Centre contribution to “ECOBLUE” includes the development of a EO-based marine litter classification system for the identification of hotspots for marine waste collection. Marine debris maps in ECOBLUE have been produced for the island of Faial and work is expected to continue for other islands in Azores. These maps are useful for circular economy as means to better study locations where marine litter can be collected for further processing and incorporated in new products (e.g. textiles for fabrics).

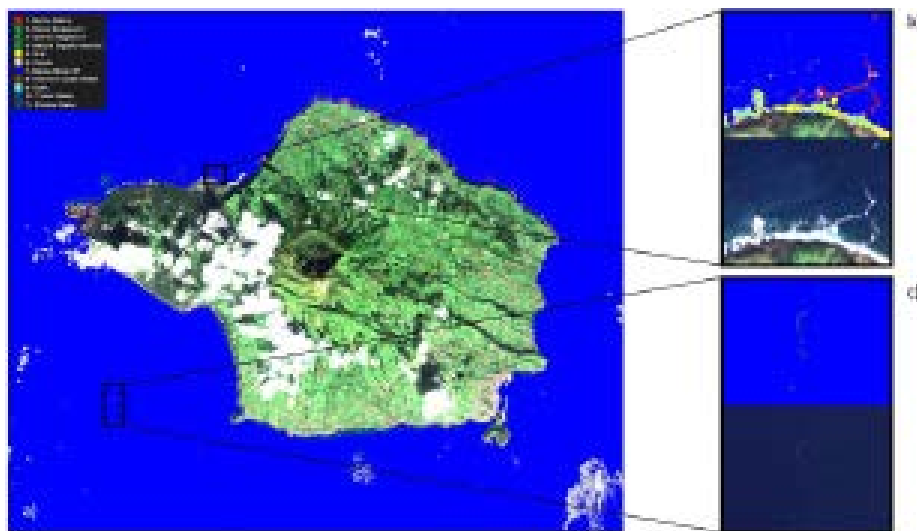


Figure 9: Classification results for Faial Island, 2021-11-09. a) Entire region of interest; b) Region with classification limitations; c) Region with a patch of interest for ECOBLUE.

2.7 Continuation with the organization of network events and projects

2.7.1 Networking Fridays

The Networking Fridays had a massive impact on the growth, visibility, and recognition of the AIR Centre brand. These sessions were designed to keep the AIR Centre Network together during the COVID-19 pandemics, but nobody could foresee the huge success of this Webinar that was endorsed by the UN Decade of Ocean Science and inspired several other Webinar series.

Since 2020 the Networking Fridays organized more than 80 sessions with 365 panelists, received almost 20,000 Zoom registrations from 150 countries around the world, and had more than 10,000 unique views Zoom and more than 20,000 on YouTube. In fact, the Networking Fridays increased by 10-fold the global visibility of the AIR Centre and helped the AIR Centre to master a large set of conferencing tools that were later used in other successful online or hybrid events. In 2023 the Networking Fridays organized 17 sessions (5 of those sessions were organized by the Marine Biodiversity Observation Network (MBON) and the AIR Centre) with 45 panelists and almost 1.200 attendees.

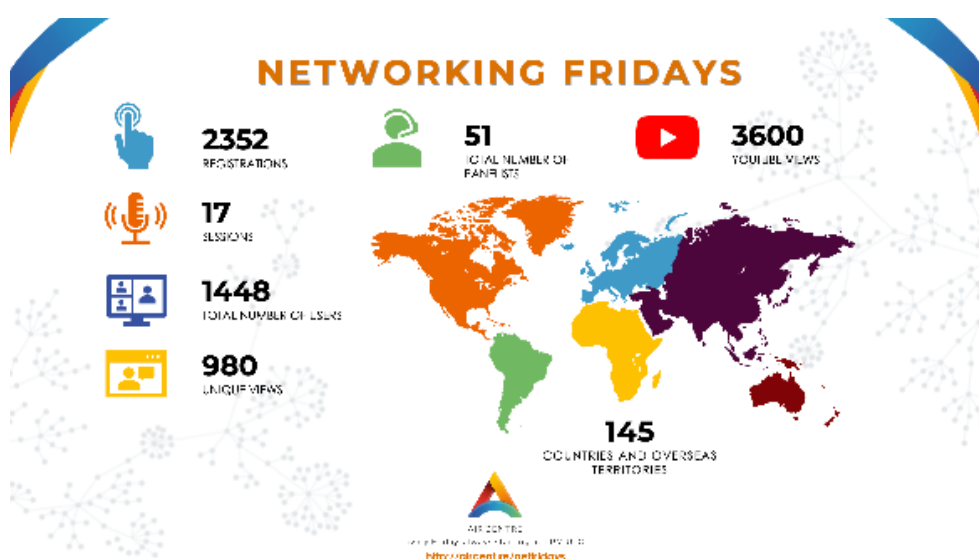


Figure 11: Networking Fridays statistics from December 2022 to December 2023.

2.7.2 Cooperation With UNCTAD, UNEP, UNOOSA and UN Ocean Decade

The AD AIR Centre and UNCTAD prepared in 2023 the project Harnessing Space Technological Applications in Sustainable Urban Development with the UNCTAD, with official start in January 2024, running through January 2025. The project will deliver capacity building in Earth Observation with programming tools for scientists, in Brazil and South Africa, through the respective local AD AIR Centre nodes LAMCE/UFRJ and the Department of Science and Innovation. Expected outputs are early prototypes of Earth Observation services (<https://unctad.org/project/harnessing-space-technological-applications-sustainable-urban-development>).



Figure 12: Harnessing Space Technological Applications in Sustainable Urban Development project website.

2.7.3. Cooperation with MBON

MBON Secretariat at the AD AIR Centre was actively involved in various tasks such as coordination, networking, communication, scientific dissemination, and science outreach. This included organizing meetings and managing a mailing list, engaging with other marine networks and organizations, updating social media channels and the website, as well as presenting at conferences, workshops, and meetings. The MBON Secretariat played a crucial role in framing and winning proposals that focused on preserving and restoring marine biodiversity (e.g. BioECOOcean). Overall, their work has had a global impact and has been acknowledged by various organizations and governments.

2.7.4 Web and social media

AD AIR Centre started to review its action in the web and social media, to increase the impact and better reflect the size and the scope of the community.

2.8 AIR Centre Scholarships

2.8.1 AIR Centre PhD Scholarship Programme

The AIR Centre PhD Scholarship Programme funded by the Portuguese Science Foundation aimed at enhancing scientific research and technology development capabilities of the AIR Centre Network to better respond to national priorities and global challenges in the Atlantic Region, namely (a) strengthening collaboration ties and exploring or developing new collaboration ties between the AIR Centre and the Portuguese scientific community in areas of common interest; (b) Promoting bilateral/multilateral cooperation between the Portuguese scientific institutions and other institutions across the Atlantic; (c) Expanding the reach of the AIR Centre scientific agenda through a wider engagement with academia to demonstrate the societal relevance and public value of research.

Sixty scholarships were offered from May 2020 to May 2023 in the field of earth and ocean observation, climate science, climate change, ocean health and marine pollution, and data science in collaboration with national and international scientific institutions and academia. In 2023, sixteen (16) international calls were opened to award 41 scholarships.

2.8.2 Fulbright Award / AIR Centre

The Fulbright Award in Space. Atmosphere. Ocean. Climate. Energy and Data Science/AIR Centre awards fellowships to support the development of the mission-oriented approach of the Atlantic International Research Centre (AIR Centre) in the context of the disciplines identified in scope of the Atlantic Interactions initiatives.

The Fulbright Award / AIR Centre is funded by the Fulbright Commission in Portugal and the Portuguese Foundation of Science and Technology (FCT) under a Collaboration Protocol signed between the two institutions. It allows a strong transatlantic research cooperation aligned with the priorities of AIR Centre.





3. Financial Statements 2023

3.1 Accounting Reference for the Preparation of Financial Statements

The financial statements were prepared according to the Sistema de Normalização Contabilística, approved by the Decree-Law 36-A/2011, of March 9th, and changed by the Decree-Law 98/2015, transposing the EU Directive 2013/34/EU of June 26th, 2013.

The financial statements were prepared in accordance with the NCRF-ESNL norms, assuming continuity of the activities.

3.2 Main Accounting Policies

The main accounting policies applied to the current financial statements are:

The tangible assets are valued according to cost, minus the accrued depreciations and impairment losses.

The tangible assets where the cost is unknown are valued at just value, the value by which they are insured or by which they were written on the books.

The depreciations are computed by the straight-line method.

AD AIR Centre recognizes subsidies whenever there is a sufficient assurance that they will be received and that the entity will comply with the requirements.

The transfers/subsidies that are related to current expenses and the depreciation of assets are deferred on the balance sheet, under the caption Deferrals, and registered as income of the period (caption Operational subsidies), proportionately to the incurred costs and the depreciation and amortization costs of assets during the project's lifetime, independently of the date of the transfer of the subsidy.

The transfers/subsidies that are related to tangible and intangible assets are



initially recognized under Equity, being afterwards recognized on the profit and loss statement (caption Allocation of subsidies for investments), in a systematic and rational basis during the timeframe necessary to balance them with their related costs. In the case where the subsidy is related with non-depreciable assets, it is kept under Equity, except in the case where its value is required to compensate some impairment losses.

The financial assets and liabilities are recognized in the balance sheet when the entity is aware of its contractual obligations. A financial asset is any asset in cash or a contractual right to receive cash. A financial liability is any liability that consists in a contractual obligation to deliver cash. The financial assets and liabilities are value at their cost minus impairment losses, namely:

- a. Clients, suppliers, accounts receivable, accounts payable or bank loans, including those in a foreign currency; and
- b. Loan contracts.

The financial instruments traded in the market are valued at just value, and their fluctuations are recognized as part of the net results of the period.

AD AIR Centre registers its income and expenses in accordance with the expense recognition principle, by which expenses and income are recognized when they are obtained or incurred, independently of the moment of the payment or receipt, being included on the financial statements of their respective periods.

The management used value judgement when applying the accounting policies that had major impact in the quantities recognized on these financial statements.

The financial statements were prepared under the assumption that the activities of this entity will continue on the next fiscal year, and according to its books. The assumption is based on the current knowledge of past and present activities of the entity, in the evolution of its business and its strategy for the future. The management does not foresee, in a short or mid-term timeframe, any change that is able to alter the validity of its assumptions. Therefore, it is not expectable significant changes on the registered quantities of its assets and liabilities in the next reporting period.

3.3 Annex to Accounts

Associação para o Desenvolvimento do Atlantic International Research Centre - AD AIR CENTRE

BALANÇO INDIVIDUAL EM 31 DE DEZEMBRO DE 2023 | BALANCE SHEET FOR THE PERIOD ENDED ON THE 31ST OF DECEMBER, 2023

valores em euros | figures in euros

RUBRICAS CAPTIONS	Notas Notes	2023	2022
ACTIVO ASSETS			
Activo não corrente Non current assets			
Activos físicos tangíveis Tangible assets	1	407 961,04	547 458,90
Investimentos financeiros Financial investments	2	15 603,19	17 825,87
		423 564,23	565 284,77
Activo corrente Current assets			
Créditos a receber Credits receivable	3	51 354,46	-
Diferimentos Deferrals	4	40 800,00	24 759,28
Outros activos correntes Other current assets	5	4 598,19	11 401,08
Cash e depósitos bancários Cash and bank deposits	6	1 245 284,28	2 125 422,10
		1 341 540,93	2 161 682,46
Total do Activo Total assets		1 767 403,79	2 726 967,23
FUNDOS PATRIMONIAIS E PASSIVO EQUITY FUNDS AND LIABILITIES			
Fundos Patrimoniais Equity funds			
Resultados transitados Retained earnings	7	131 321,21	48 460,24
Ajustamentos / outras variações nos fundos patrimoniais Other equity funds changes	7	407 961,25	547 459,21
Resultado líquido do período Net income for the period	7	15 903,10	84 761,17
Total dos Fundos Patrimoniais Total Equity funds		555 185,56	680 680,62
Passivo Liabilities			
Passivo corrente Current liabilities			
Fornecedores Suppliers	8	41 097,50	104 364,00
Estado e outros entes públicos State and other public entities	9	41 693,83	53 329,00
Financiamentos obtidos Loans	10	1 674,56	-
Diferimentos Deferrals	4	643 181,85	1 743 014,07
Outros passivos financeiros Other financial liabilities	11	187 593,19	135 440,04
		1 210 517,03	2 096 153,11
Total do passivo Total liabilities		1 210 517,03	2 096 153,11
Total dos fundos patrimoniais e do passivo Total equity funds and liabilities		1 767 403,79	2 726 967,23

Associação para o Desenvolvimento do Atlantic International Research Centre - AD AIR CENTRE

DEMONSTRAÇÃO INDIVIDUAL DOS RESULTADOS POR NATUREZAS | PROFIT AND LOSS STATEMENT

PERÍODO FIMDO EM 31 DE DEZEMBRO DE 2023 | PERIOD THAT ENDED ON THE 31ST OF DECEMBER, 2023

valores em euros | figures in euros

RENDIMENTOS E GASTOS INCOME AND EXPENSES	Notas Notes	2023	2022
Vendas e serviços prestados Sales and services provided	12	112 134,65	192 498,47
Subsídios, doações e legados à exploração Operating subsidies	13	1 803 910,29	2 850 116,84
Fornecimentos e serviços externos Supplies and external services	14	- 604 417,59	- 1 533 514,84
Gastos com o pessoal Staff costs	15	- 1 297 002,75	- 1 424 560,30
Outros rendimentos Other income	16	162 378,31	104 770,78
Outros gastos Other expenses	17	- 3 398,04	- 1 487,10
Resultado antes de depreciações, gastos de financiamento e impostos Net income before depreciations, interest and taxes		173 604,87	187 723,85
Gastos / reversões de depreciação e amortização Expenses / reversals of depreciation and amortization	1, 18	- 157 701,57	- 102 962,35
Resultado operacional (antes de gastos de financiamento e impostos) Operational net income (before interes and taxes)		15 903,30	84 761,50
Juros e gastos similares suportados Financing costs		-	- 0,03
Resultado antes de impostos Net income before taxes		15 903,30	84 761,47
Imposto sobre o rendimento do período Corporate taxes		-	-
Resultado líquido do período Net income after taxes		15 903,30	84 761,47



Associação para o Desenvolvimento do Atlantic International Research Centre - AD AIR CENTRE

DEMONSTRAÇÃO INDIVIDUAL DAS ALTERAÇÕES NOS FUNDOS PATRIMONIAIS NO PERÍODO DE 2022 | STATEMENT OF CHANGES IN EQUITY FUNDS FOR 2022

valores em euros / figures in euros

DESCRIÇÃO	Notas	Resultados transitados	Ajustamentos/ outras variações nos fundos patrimoniais	Resultado líquido do período	Total	Total dos fundos patrimoniais
POSIÇÃO NO INÍCIO DO PERÍODO 2022 STARTING POSITION IN 2022		8 924,51	229 009,18	39 535,73	277 469,42	277 469,42
ALTERAÇÕES NO PERÍODO CHANGES IN THE PERIOD						
Outras alterações reconhecidas nos fundos patrimoniais Other changes in equity funds		39 535,73	318 450,03	39 535,73	318 450,03	318 450,03
RESULTADO LÍQUIDO DO PERÍODO NET INCOME FOR THE PERIOD		39 535,73	318 450,03	39 535,73	318 450,03	318 450,03
RESULTADO INTEGRAL COMPREHENSIVE EARNINGS				84 761,47	84 761,47	84 761,47
OPERAÇÕES COM INSTITUIDORES NO PERÍODO TRANSACTIONS WITH FOUNDERS IN THE PERIOD				45 225,74	403 211,50	403 211,50
POSIÇÃO NO FIM DO PERÍODO 2022 FINAL POSITION IN 2022		48 460,24	547 459,21	84 761,47	680 680,92	680 680,92

DEMONSTRAÇÃO INDIVIDUAL DAS ALTERAÇÕES NOS FUNDOS PATRIMONIAIS NO PERÍODO DE 2023 | STATEMENT OF CHANGES IN EQUITY FUNDS FOR 2023

valores em euros / figures in euros

DESCRIÇÃO	Notas	Resultados transitados	Ajustamentos/ outras variações nos fundos patrimoniais	Resultado líquido do período	Total	Total dos fundos patrimoniais
POSIÇÃO NO INÍCIO DO PERÍODO 2023 STARTING POSITION IN 2023		48 460,24	547 459,21	84 761,47	680 680,92	680 680,92
ALTERAÇÕES NO PERÍODO CHANGES IN THE PERIOD						
Outras alterações reconhecidas nos fundos patrimoniais Other changes in equity funds		84 761,47	- 139 497,46	- 84 761,47	- 139 497,46	- 139 497,46
RESULTADO LÍQUIDO DO PERÍODO NET INCOME FOR THE PERIOD		84 761,47	- 139 497,46	- 84 761,47	- 139 497,46	- 139 497,46
RESULTADO INTEGRAL COMPREHENSIVE EARNINGS				15 903,30	15 903,30	15 903,30
OPERAÇÕES COM INSTITUIDORES NO PERÍODO TRANSACTIONS WITH FOUNDERS IN THE PERIOD				- 68 858,17	- 123 594,16	- 123 594,16
POSIÇÃO NO FIM DO PERÍODO 2023 FINAL POSITION IN 2023		133 221,71	407 961,75	15 903,30	557 086,76	557 086,76

Associação para o Desenvolvimento do Atlantic International Research Centre - AD AIR CENTRE

DEMONSTRAÇÃO INDIVIDUAL DE FLUXOS DE CAIXA | CASH FLOW STATEMENT

PERÍODO FIM DO EM 31 DE DEZEMBRO DE 2023 | PERIOD ENDED ON THE 31ST OF DECEMBER, 2023

valores em euros / figures in euros

RUBRICAS CAPTIONS	Notas Notes	2023	2022
Fluxos de caixa das actividades operacionais Operating activities			
Recebimentos de clientes e devedores Receipts from trade debtors		81 455,70	145 502,33
Pagamentos a fornecedores Payment to trade creditors		- 737 551,70	- 1 534 594,42
Pagamentos ao pessoal Payments to staff		- 923 938,45	- 947 771,60
Cash generated by operations Cash flow generated by operations		- 1 580 034,45	- 2 336 863,70
Outros recebimentos/pagamentos Other receipts/payments		- 357 876,42	- 512 132,06
Fluxos de caixa das actividades operacionais Cash flows from operating activities		- 1 937 910,87	- 2 848 995,76
Fluxos de caixa das actividades de investimento Investing activities			
Recebimentos provenientes de: / Receipts related to:			
Investimentos financeiros Financial investments		4 445,17	2 294,56
Pagamentos respeitantes a: / Payments related to:			
Activos tangíveis Tangible assets		- 19 968,60	- 374 555,42
Investimentos financeiros Financial investments		- 2 534,50	- 2 456,07
Fluxos de caixa das actividades de investimento Cash flows from investing activities		- 18 057,93	- 374 716,93
Fluxos de caixa das actividades de financiamento Financing activities			
Recebimentos provenientes de: / Receipts related to:			
Outras operações de financiamento Other financing operations		3 110 135,63	4 557 434,80
Pagamentos respeitantes a: / Payments related to:			
Juros e gastos similares Interest and similar expenses		-	0,00
Outras operações de financiamento Other financing operations		- 2 082 881,86	-
Fluxos de caixa das actividades de financiamento Cash flows from financing activities		1 027 253,77	4 557 434,80
Variação de caixa e seus equivalentes Changes in cash and cash equivalents		- 928 635,03	- 1 266 277,89
Efeito das diferenças de câmbio Effect of exchange differences		-	-
Caixa e seus equivalentes no início do período Starting Cash and cash equivalents	6	2 175 423,10	846 700,00
Caixa e seus equivalentes no fim do período Final Cash and cash equivalents	6	1 246 788,07	2 175 423,10

Annex to Financial Statements

Note 1. Tangible Assets | Assets Under Construction

401

valores em euros / figures in euros

ACTIVOS FIXOS TANGÍVEIS TANGIBLE ASSETS	2023	2022
Equipamento básico Basic equipment		
Activo bruto: saldo inicial Initial balance	644 802,47	59 773,57
Activo bruto: aquisições Acquisitions	13 432,58	221 241,13
Activo bruto: transferências de investimentos em curso Transfers	4 771,53	361 282,57
Depreciações: saldo inicial Starting depreciations	- 102 251,56	- 14 004,63
Depreciações do exercício Depreciations for the period	- 151 313,83	- 91 249,09
Saldo final - Equipamento básico Final balance - Basic equipment	404 439,09	517 540,51
Equipamento administrativo Administrative equipment		
Activo bruto: saldo inicial Initial balance	55 432,06	51 313,12
Activo bruto: aquisições Acquisitions	-	3 123,74
Depreciações: saldo inicial Starting depreciations	- 45 527,17	- 35 834,06
Depreciações do exercício Depreciations for the period	- 5 382,74	- 9 213,12
Saldo final - Equipamento administrativo Final balance - Administrative equipment	3 521,95	9 900,68
Total líquido de Activos fixos tangíveis Net total for Tangible assets	407 961,04	547 441,20
Depreciações do exercício Depreciations for the period	157 701,57	102 926,35

401

valores em euros / figures in euros

INVESTIMENTOS EM CURSO ASSETS UNDER CONSTRUCTION	2023	2022
Activos tangíveis em curso Tangible assets under construction		
Activo bruto: saldo inicial Initial balance	-	165 290,26
Activo bruto: aquisições Acquisitions	4 771,53	148 042,31
Activo bruto: transferências Transfers	- 4 771,53	- 361 282,57
Saldo final - Activos tangíveis em curso Final balance - Tangible assets under construction	-	-
Total de Investimentos em curso Total for Assets under construction	-	-

Note 2. Financial Investments

#02	valores em euros figures in euros	
INVESTIMENTOS FINANCEIROS FINANCIAL INVESTMENTS	2023	2022
Participações de capital: Geosat Financial participations: Geosat	100,00	100,00
Fundo de Garantia de Compensação do Trabalho Work compensation fund	15 802,39	17 775,87
Total de Investimentos financeiros Total for Financial investments	15 902,39	17 875,87

The entity holds a share of 100.00 euros of the equity of Geosat, acquired in 2021.

Note 3. Credits Receivable

#03	valores em euros figures in euros		
CRÉDITOS A RECEBER CREDITS RECEIVABLE		2023	2022
Clientes gerais Clients		51 354,46	-
Total de Créditos a receber Total for Credits receivable		51 354,46	-

Note 4. Deferrals

#04 valores em euros / figures in euros

DIFERIMENTOS DEFERRALS	2023	2022
Activo Assets		
Gastos a reconhecer: Seguros Deferred expenses: Insurance	16 593,04	17 913,40
Gastos a reconhecer: Medicina no trabalho Deferred expenses: Occupational medicine	976,80	-
Gastos a reconhecer: Serviços informáticos Deferred expenses: IT services	9 529,80	1 582,37
Gastos a reconhecer: Formação Deferred expenses: Training	955,90	2 233,60
Gastos a reconhecer: Deslocações e estadas Deferred expenses: Travel and accommodation	12 747,39	3 029,91
Total de Diferimentos - Activo Total for Deferrals - Assets	40 802,93	24 759,28
Passivo Liabilities		
Outros rendimentos a reconhecer Other deferred income	943 181,85	1 743 034,07
Total de Diferimentos - Passivo Total for Deferrals - Liabilities	943 181,85	1 743 034,07

Note 5. Other Current Assets and Liabilities

#05 valores em euros / figures in euros

OUTROS ACTIVOS E PASSIVOS CORRENTES OTHER CURRENT ASSETS AND LIABILITIES	2023	2022
Activo Assets		
Adiantamentos a fornecedores Advance payments to suppliers	4 598,19	4 564,37
Outros devedores Other debtors	-	6 856,71
Total de Outros activos correntes Total for Other current assets and liabilities	4 598,19	11 421,08

Note 6. Cash and Bank Deposits

#06 valores em euros / figures in euros

CAIXA E DEPÓSITOS BANCÁRIOS CASH AND BANK DEPOSITS	2023	2022
Depósitos bancários Bank deposits		
Saldo inicial Starting balance	2 175 422,10	846 700,03
Débitos Debits	3 223 024,28	5 007 691,87
Créditos Credits	4 151 661,60	3 678 969,80
Saldo final - Depósitos bancários Final balance - Bank deposits	1 246 784,78	2 175 422,10
Total de Caixa e depósitos bancários Total for Cash and bank deposits	1 246 784,78	2 175 422,10

Note 7. Equity Funds

#07 valores em euros / figures in euros

FUNDOS PATRIMONIAIS EQUITY FUNDS	2023	2022
Resultados transitados Retained earnings	133 221,71	48 460,24
Ajustamentos nos fundos patrimoniais Other equity changes	407 961,75	547 459,21
Resultado líquido do período Net income for the period	15 903,30	84 761,47
Total de Fundos Patrimoniais Total for Equity funds	557 086,76	680 680,92

Retained earnings contains the net results accrued from previous periods, including the retained earnings from the previous year, of 48,460.24 euro, resulting in the amount of 133,221.71 euro on the 31 st of December 2023.

Other equity changes includes the subsidies related to assets, that are transferred in a systematic way to the caption Other income (Allocation of subsidies for investments), by the same cadence as the registration of the depreciations of its related assets.

Note 8. Suppliers

#08 valores em euros / figures in euros

FORNECEDORES SUPPLIERS	2023	2022
Fornecedores gerais: Mercado nacional Suppliers: Internal market	35 856,09	40 721,09
Fornecedores gerais: Mercado intracomunitário Suppliers: EU market	-	52,06
Fornecedores gerais: Mercado externo Suppliers: External market	5 241,41	63 620,85
Total de Fornecedores Total for Suppliers	41 097,50	104 394,00

Note 9. State and Other Public entities

#09	valores em euros / figures in euros	
ESTADO E OUTROS ENTES PÚBLICOS STATE AND OTHER PUBLIC ENTITIES	2023	2022
Passivo Liabilities		
Retenção na fonte de imposto sobre o rendimento Withholding of personal income tax	12 615,52	16 062,50
Imposto sobre o valor acrescentado Value-added tax	7 836,19	10 303,19
Contribuições para a Segurança Social Social security	21 241,12	26 319,60
Outros Others	-	694,51
Total de Estado e outros entes públicos - Passivo Total for State and other public entities - Liabilities	41 692,83	53 379,80

Note 10. Loans

#10	valores em euros / figures in euros	
FINANCIAMENTOS OBTIDOS LOANS	2023	2022
Corrente Current		
Cartão de crédito Credit card	1 674,66	-
Total de Financiamentos obtidos - Corrente Total for Loans - Current	1 674,66	-

Note 11. Other Financial Liabilities

#11	valores em euros / figures in euros	
OUTROS PASSIVOS FINANCEIROS OTHER FINANCIAL LIABILITIES	2023	2022
Credores por acréscimo de gastos: Remunerações (Vencimento+Encargos) Accruals: Salaries and Social Security	156 848,72	170 132,50
Credores por acréscimo de gastos: Comunicação Accruals: Communications	1 218,13	-
Credores por acréscimo de gastos: Auditoria Accruals: Audit	5 750,00	-
Credores por acréscimo de gastos: Rendas Accruals: Rent	1 218,00	-
Credores por acréscimo de gastos: Tecnologias Informáticas Accruals: IT services	324,40	-
Outros credores por acréscimo de gastos Other accruals	783,59	7 585,48
Credores diversos Other creditors	16 527,35	17 730,06
Total de Outros passivos financeiros Total for other financial liabilities	182 670,19	195 448,04

Note 12. Sales and Services Provided | Allocation of Subsidies for Investment

#12	valores em euros / figures in euros	
VENDAS E SERVIÇOS PRESTADOS SALES AND SERVICES PROVIDED	2023	2022
(1104) MarBioME (EC)	59 360,00	67 977,89
(1303) ARI-ESA PCISTS A3	41,16	6 499,68
(1304) ARI - ESA ENERGY A2	-	7 436,28
(1305) PORT XXI ESA	284,32	5 482,52
(1308) ATON	2 233,60	19 645,94
(1311) ECatSEE (ESA)	19 345,48	17 858,35
(1312) GDA Marine (ESA)	32 886,54	36 067,96
(1314) Space 4 Atlantic	-	31 529,85
Total de Vendas e serviços prestados Total for Sales and services provided	112 134,65	192 498,47

valores em euros / figures in euros		
IMPUTAÇÃO DE SUBSÍDIOS PARA INVESTIMENTO ALLOCATION OF SUBSIDIES FOR INVESTMENT	2023	2022
(1001) FCT (geral)	22 729,86	22 454,45
(1002) ESA/LAB (geral)	122 922,99	70 971,00
(1101) MIBON (PO Açores)	4 629,27	4 646,98
(1401) MAGAL (PO Açores)	2 445,00	1 630,00
(1403) DRS	3 531,60	2 354,40
(1601) Rede LoRaWAN	1 358,28	905,52
(1802) New Space Portugal (PRR)	84,57	-
Total de Imputação de subsídios para investimento Total for Allocation of subsidies for investment	157 701,57	102 962,35

Note 13. Operating Subsidies

#13	valores em euros / figures in euros		
	SUBSÍDIOS, DOAÇÕES E LEGADOS À EXPLORAÇÃO OPERATING SUBSIDIES	2023	2022
	(1000) Lisboa	-	1 635,57
	(1001) FCT (geral)	594 195,74	768 884,77
	(1002) ESAIAS (geral)	155 336,54	231 004,11
	(1003) CE2COAST (FCT)	11 026,76	9 562,60
	(1005) BURESA (FCT)	147,60	830 798,69
	(1101) MBON (PO Agence)	135 132,66	136 958,21
	(1102) SAOS (Symposium on Advances in Ocean Observation)	-	28 075,18
	(1103) RASGE2020 (FCT)	78 332,47	86 595,66
	(1105) Workshops Julia	21 479,45	10 670,40
	(1106) Workshops Julia 24	8 630,58	-
	(1201) ASTRAL (H2020)	45 762,76	90 530,54
	(1202) MISSION ATLANTIC (H2020)	11 683,16	7 524,20
	(1203) LABPLAS (H2020)	71 474,83	74 010,23
	(1204) NEXTOCEAN	40 915,03	31 713,69
	(1205) BlueMission (H2020)	121 826,57	1 622,75
	(1206) S8EP (H2020)	18 630,81	11 958,20
	(1207) A. AAgora (Horizon)	59 760,48	853,59
	(1302) FPAOLP (ESA) Act. 2019-1-26 Portuguese users coordination and training P12	36 831,86	11 152,32
	(1306) FPAOLP (ESA) Act. 2020-3-05 Atlantic Ocean Interactions	11 240,82	131 443,34
	(1307) FPAOLP (ESA) Act. 2020-3-02 Business Innovation in Portugal	1 167,71	30 039,75
	(1309) FPAOLP (ESA) Act. 2020-2-02 Sustainable Fisheries Management	9 453,64	32 786,91
	(1313) ECOBLUE	13 013,74	8 817,19
	(1315) FPCUP 2021-1-7: Copernicus uptake in Portuguese HE	4 144,31	1 430,00
	(1316) FPCUP 2021-2-39: Copernicus user uptake in Africa	9 072,85	6 230,31
	(1317) FPCUP 2021-2-42: Copernicus uptake maritime sector	14 107,92	1 134,00
	(1318) FPCUP 2021-2-47: Coastal coord. of user needs	4 404,66	1 430,00
	(1401) MARSAL (PO Agence)	3 306,46	10 332,60
	(1402) INTARISCT (PO Agence)	36 969,67	23 536,53
	(1404) K2D (PO Agence)	27 612,41	30 031,39
	(1405) AEROS (PO Agence)	16 167,27	33 734,13
	(1406) SAP (PO Agence) Sistema Alerta Pithmeuvas	47 016,26	45 175,65
	(1407) COAST (FCT)	-	1 532,00
	(1501) ESDES (INTERREG)	18 146,05	41 431,76
	(1601) Rede LoRaWAN	-	2 108,27
	(1602) Vimeas da Terceira	7 451,49	5 595,60
	(1701) Custodian	55 321,44	49 446,64
	(1801) Food4Sust (FRR)	2 725,46	-
	(1802) New Space Portugal (FRR)	109 703,33	-
	Total de Subsídios, doações e legados à exploração Total for Operating subsidies	1 803 910,29	2 830 116,84

Note 14. Supplies and External Services

#14	valores em euros / figures in euros		
	FORNECIMENTOS E SERVIÇOS EXTERNOS SUPPLIES AND EXTERNAL SERVICES	2023	2022
	Subcontractos Subcontracts	35 000,00	62 000,00
	Serviços de consultoria e IT Consulting services and IT	140 747,74	41 246,48
	Serviços administrativos, financeiros, jurídicos, de contabilidade e de auditoria Administrative, financial, legal, accounting & auditing services	103 535,10	133 160,95
	Publicidade e propaganda Advertising services	16 167,50	-
	Honorários Professional fees	5 365,00	21 561,98
	Materials Tools	2 041,92	9 221,37
	Energia e outros fluidos Energy and other fluids	4 546,12	1 027,91
	Deslocações e estadas Travel and hospitality	160 690,83	400 639,15
	Comunicação Communications	18 125,77	16 278,36
	Conferências, seminários e outros eventos Conferences and other events	1 574,64	636 888,32
	Rendas e alugueres Rents and leasing	19 410,55	201 616,24
	Outros serviços Other services	97 212,42	9 974,08
	Total de Fornecimentos e serviços externos Total for Supplies and external services	604 417,59	1 533 614,84

Note 15. Staff Costs

#15 valores em euros | figures in euros

GASTOS COM O PESSOAL STAFF COSTS	2023	2022
Remunerações dos órgãos sociais Management salaries	-	184 448,85
Remunerações do pessoal Staff salaries	971 514,16	873 269,21
Prémios Bonuses	61 224,00	85 000,00
Indemnizações Severance packages	605,86	-
Encargos sobre remunerações dos órgãos sociais Social security: management	-	39 534,61
Encargos sobre remunerações do pessoal Social security: staff	223 826,05	203 810,30
Seguro de acidentes de trabalho e de saúde Insurance	27 125,44	25 482,06
Outros gastos com o pessoal Other staff costs	12 707,24	13 015,27
Total de Gastos com o pessoal Total for Staff costs	1 297 002,75	1 424 560,30

Note 16. Other Income

#16 valores em euros | figures in euros

OUTROS RENDIMENTOS OTHER INCOME	2023	2022
Rendimentos suplementares Additional income	4 421,74	985,44
Alienações Alienation	-	700,00
Correcções relativas a períodos anteriores Corrections from previous periods	-	64,00
Imputação de subsídios para investimentos Allocation of subsidies for investment	157 701,57	102 962,35
Diferenças de câmbio favoráveis Exchange differences	-	58,99
Outros não especificados Other non-specified income	255,00	-
Total de Outros rendimentos Total for Other income	162 378,31	104 770,78

Note 17. Other Expenses

#17 valores em euros | figures in euros

OUTROS GASTOS OTHER EXPENSES	2023	2022
Impostos indirectos e taxas Indirect taxes and other fees	2 102,71	181,35
Correcções relativas a períodos anteriores Corrections from previous periods	1 037,48	-
Diferenças de câmbios desfavoráveis Exchange differences	20,51	32,10
Multas e penalidades Fines and penalties	21,00	450,00
Despesas não devidamente documentadas Expenditure not properly documented	214,13	823,65
Outros não especificados Other expenses	2,21	-
Total de Outros gastos Total for Other expenses	3 398,04	1 487,10

Note 18. Depreciation and Amortization Costs

#18 valores em euros | figures in euros

GASTOS DE DEPRECIACÃO E DE AMORTIZAÇÃO DEPRECIATION AND AMORTIZATION COSTS	2023	2022
Activos fixos tangíveis: Equipamento básico Basic equipment	151 313,83	93 249,03
Activos fixos tangíveis: Equipamento administrativo Administrative equipment	6 387,74	9 713,32
Total de Gastos de depreciação e de amortização Total for Depreciation and amortization expenses	157 701,57	102 962,35

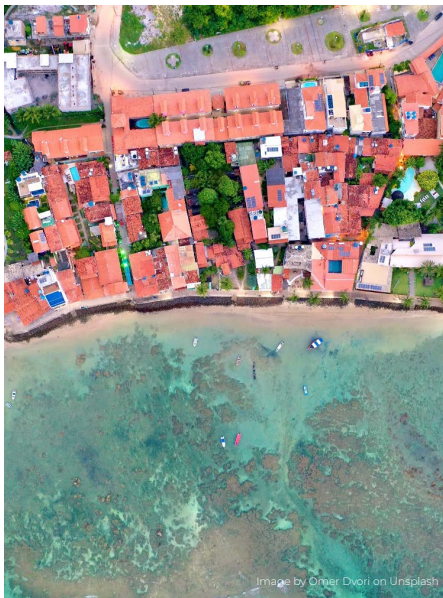


3.4 Information Required by Legal Diplomas

In accordance with the article 21st, number 1 of the Decree-Law 411/91, of October 17th, AD AIR Centre confirms that it does not have any outstanding payments due towards Social Security and the Tax Authorities.

The net income for the 2023 period is 15 903,30 euros and will be transferred to the caption Retained earnings.

The auditing firm is Martins Pereira, João Careca e Associados SRC, Lda. which will earn, in 2024, for its fees of services rendered in 2023, the amount of 4 950 euros plus VAT.





Acronyms

A-AAGORA: Blueprint for Atlantic-Arctic Agora on cross-sectoral cooperation for restoration of marine and coastal ecosystems and increased climate resilience through transformative innovation. HEurope Funded Project

AA-MARINET: All-Atlantic Marine Research Infrastructure Network. Joint activity contributing to the implementation of the Belém Statement and AAORIA. JPA funded under AANChOR.

AAORIA: All-Atlantic Ocean Research and Innovation Alliance. Initiative following the political Declaration, signed on July 2022 in Washington DC.

ARDITI: Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação. Madeira.

ASTRAL: All Atlantic Ocean Sustainable, Profitable and Resilient Aquaculture. H2020 Funded Project.

AZORES ECOBLUE: Development of products and technologies already available on the market or the development of new ones, using marine waste as raw material. EEA Grants Funded Project.

BIOECOOCEAN: Co-Creating Transformative Pathways to Biological and Ecosystem Ocean Observations. HEurope Funded Project.

BLUEMISSIONAA: Building a Coordination Hub to Support the Mission Implementation in the Atlantic and Arctic Basin. HEurope funded Project.

CMEMS: Copernicus Marine Service.

COAST: Conservation of marine ecosystems around Santo Antão, Cabo Verde: implications for policy and society. FRCT Funded Project.

COPERNICUS: Earth observation component of the European Union's Space programme.

COPPE/UFRJ: Instituto Alberto Luiz Coimbra de Pós-Graduação e Pesquisa em Engenharia / Universidade Federal do Rio de Janeiro

CUSTODIAN: Sensory Network Platform for Sustainable Fishing. EEA Grants Funded Project.

E5DES: Investigação e inovação em direção à excelência em eficiência tecnológica. uso de energias renováveis. tecnologias emergentes e economia circular na dessalinização. InterReg Funded Project.

EO: Earth Observation.

EOatSEE: Earth Observation Advanced science Tools for Sea level Extreme Events.

EOV: Essential Ocean Variable.

FRCT: Fundo Regional da Ciência e a Tecnologia. Governmental Body. Azores.

GD-AID: Agile EO Information Development. ESA project.

GDPR: General Data Protection Regulation.

GNSS: Global Navigation Satellite System.

H2020: Previous European research and innovation funding programme. Ended in 2020.

Horizon Europe: European research and innovation funding programme. Started in 2021.

ICEBERG: Innovation Community Engagement for Building Effective Resilience and Arctic Ocean Pollution-Control Governance in the Context of Climate Change. HEurope Funded Project.

ICES: International Council for the Exploration of the Sea.

INTERREG: European Programme for Regional Cooperation.

IPMA: Instituto Português do Mar e da Atmosfera.

LABPLAS: Land-Based Solutions for Plastic in the Sea. H2020 Funded Project.

MISSION ATLANTIC: Towards the Sustainable Development of the Atlantic Ocean: Mapping and Assessing the present and future status of Atlantic marine ecosystems under the influence of climate change and exploitation H2020 Funded Project.

NEMO: Nucleus for European Modelling of the Ocean. Global model operated by MERCATOR.

NEXTOCEAN: Next Generation of Fishing and Aquaculture Services.

PLOCAN: Oceanic Platform of the Canary Islands.

PM25: Atmospheric Early Warning System of 2.5 µm Particulate Matter.

POS2IDON: Pipeline for Ocean Feature Detection of marine debris with Sentinel-2.

SAPc: Early Warning of *Pithomyces chartarum* spore. PO Azores Funded Project.

SBEP: Sustainable Blue Economy Partnership. is a European Partnership.

Vinhas da Terceira: Angra do Heroísmo Funded Project.



Annexes

Annex 1 - Members of the General Assembly

Name	Position at the General Assembly	Country
Madalena Alves	President of the General Assembly	Portugal
Raquel Grazina	Representing Portugal, Fundação para a Ciência e Tecnologia (FCT)	
António Felix Rodrigues	Representing Portugal, Governo Regional dos Açores (GRA)	Portugal
Emiliana Silva		
Joaquin Brito	Secretary of the General Assembly and Representing Spain, Plataforma Oceánica de Canarias (PLOCAN)	Spain
Josefina Loustau	Representing Spain, Plataforma Oceánica de Canarias (PLOCAN)	
Filomena Vaz Velho	Representing Angola, Instituto Nacional de Investigação Pesqueira e Marinha (INIPM)	Angola
Eduardo Mendonça Sodré Martins	Representing Brazil, Governo do Estado da Bahia (Secretaria do Meio Ambiente) (SEMA BA)	Brazil
André Maurício Rebouças Ferraro		
Albertino Martins	Representing Cabo Verde, Instituto do Mar (IMar)	Cabo Verde
Marcos Oliveira	Representing Colombia, Ministerio de Ciencia, Tecnología e Innovación (Minciencias)	Colombia
Philippe Monbet	Representing France, Pole Mer Bretagne Atlantique	France
Isabel Benezeth		
Ana Orantes	Representing Guatemala, Secretaría Nacional de Ciencia y Tecnología (Senacyt)	Guatemala
Andrea Fabiola Flores Pineda		
Bouchta El Moumni	Representing Morocco, Université Abdelmalek Essaadi (UAE)	Morocco
Halilu Shaba	Representing Nigeria, National Space Research and Development Agency (NASRDA)	Nigeria
Ibrahim Yakubu		
Tumisang Modiloe	Representing South Africa, Department of Science and Innovation (DSI)	South Africa
Stewart Bernard		
James Loveder	Representing the United Kingdom, Department of Science, Innovation and Technology (DSTI)	United Kingdom
Chris Matthews		

Annex 2 - Members of the Board of Directors

Name	Position at the Board of Directors	Country
Paulo Gadelha	President of the AD AIR Centre Board of Directors	Brazil
Emir Sirage	Chief Executive Officer (Interin) <i>until 5th April 2023</i>	Portugal
Miguel Miranda	Executive Director <i>from 12th September 2023</i>	Portugal
Sofia Cordeiro	Member of the AD AIR Centre Board of Directors	Portugal
Salvador Landeros Ayala	Member of the AD AIR Centre Board of Directors	Mexico
Nick Veck	Member of the AD AIR Centre Board of Directors <i>until 30th June 2023</i>	United Kingdom
Flávio Tiago	Member of the AD AIR Centre Board of Directors	Portugal
Selby Modiba	Member of the AD AIR Centre Board of Directors	South Africa

Annex 3 - Team at the end of 2023



Miguel Miranda
Executive Director



Mafalda Carapuço
Deputy Executive
Director



Sofia Cordeiro
Deputy Executive
Director



José Luís Moutinho
Chief Business &
Networking Officer



Pedro Silva
Chief Technology
Officer, EO Lab



Mariana Ávila
Project Developer



Emanuel Castanho
Project Developer



Tânia Li Chen
Project Officer



Gabriel Costa
Administrative
Assistant



**Catarina Paes
Duarte**
Events and Network
Manager



Alexandra Frazão
Executive Secretary



Andrea Giusti
Project Developer



Letícia Leão
Administrative
Assistant



**Valerie de
Liedekerke**
Project Manager



Adriano Lima
Senior Project Officer
and MBON Scientific
Programmer



Joaquim Melo
Junior Project
Developer



Inês Correia Mesquita
Communication
Officer



Natalia Ospina-Alvarez
Innovation Manager
in Blue Economy and
Senior Project Officer



João Pinelo
Head of Data Science,
Cloud Infrastructure,
and Development



Joana Soares
Executive Secretary
for MBON and Project
Officer for AIR Centre



Iga Szczesniak
Project Developer



André Valente
Project Officer

Annex 4 - Projects in 2023

Horizon Europe, European Commission funded projects



BlueMissionAA: Building a Coordination Hub to Support the Mission Implementation in the Atlantic and Arctic Basin



A-AAgora: Blueprint for Atlantic-Arctic Agora on cross-sectoral cooperation for restoration of marine and coastal ecosystems and increased climate resilience through transformative innovation



OCEANIDS: User-driven applications and tools for Climate-Informed Maritime Spatial Planning and integrated seascape management, towards a resilient & inclusive Blue Economy



SBEP: Sustainable Blue Economy Partnership

H2020, European Commission funded projects



ASTRAL: All Atlantic Ocean Sustainable, Profitable and Resilient Aquaculture



Mission Atlantic: Towards the Sustainable Development of the Atlantic Ocean: Mapping and Assessing the present and future status of Atlantic marine ecosystems under the influence of climate change and exploitation



LABPLAS: Land-Based Solutions for Plastics in the Sea



NextOcean: Next Generation of Fishing and Aquaculture Services

Framework Partnership Agreement on Copernicus User Uptake, European Commission funded projects



FPCUP2021-1-7: Copernicus Uptake in Portuguese Higher Education

FPCUP2021-2-39: Copernicus User Uptake in Africa

FPCUP2021-2-42: Copernicus Uptake for the Maritime Sector

FPCUP2021-2-47: Coastal Coordination of User Needs and Methodologies

FPCUP2019-01-26: Portuguese Users Coordination and Training - Part II

FPCUP2020-3-5: Copernicus SMEs - Atlantic Ocean Interactions

FPCUP2020-3-2: Copernicus Events for Business Innovation in Portugal

FPCUP2020-2-2: Copernicus for Sustainable Fisheries Management Nigeria

Interreg, European Commission co-funded



E5DES: Investigacion e Innovacion Hacia la Excelencia en Eficiencia Tecnologica, Uso de Energias Renovables, Tecnologias Emergentes y Economia Circular en la Desalacion

European Space Agency funded projects



EOatSee: Earth Observations advanced tools for Sea level extreme events

GDA Marine: Agile EO Information Development: Marine Environment and Blue Economy

MANAGEMENT AND FINANCIAL REPORT 2023

Portuguese Recuperation and Resilience Plan funded projects



NewSpace: New Space Portugal



F4S: Food4Sustainability Digital Innovation Hub

PBHD: Portugal Blue Digital Innovation Hub

PO Açores funded projects



Açores IntAIRsect: Internacionalização do AIR Centre no âmbito dos desafios sectoriais dos Açores



SAPc: Sistema Alerta *Pithomyces chartarum*



K2D: Knowledge and Data from the Deep to Space



AEROS-Az Constellation: Development of a Nanosatellite platform as a precursor of a future constellation to leverage the Space/Ocean scientific and economic synergies



MAGAL Constellation: Defining the Pillar of a Future Constellation for Monitoring the Ocean and Climate Change

EEA Grants funded projects



Custodian

Custodian: A Tracking System for More Sustainable Fishing

Azores EcoBlue

Azores EcoBlue: Development of Products and Technologies using Marine Waste



Fundação para a Ciência e Tecnologia, Portugal funded projects



CE2COAST: Downscaling Climate and Ocean Change to Services: Thresholds and Opportunities

Fundo regional para a Ciência e Tecnologia, Azores, Portugal funded projects



COAST: Conservation of Marine Ecosystems around Santo Antão, Cabo Verde: Implications for Policy and Society (BiodivRestore Joint COFUND Call launched by BiodivERSA and Water JPI)

Câmara Municipal de Angra do Heroísmo funded projects

VINTER: Vinhas da Terceira

Annex 5 - Publications

2023

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Annex 6 - Future Prospects of Events

To ensure continuity of the Atlantic International Research Centre after 2023 a new framework for funding was negotiated with the Ministry of Science, Technology and Higher Education for the period of 2024 and 2028. These negotiations culminated with “Resolução do Conselho de Ministros” nº 199/2023, of December 27, that allows Fundação para a Ciência e a Tecnologia, I. P. to assume multi-annual responsibilities and to carry out the required expenses for the operation of the Association between 2024 and 2028.

In accordance with “Resolução do Conselho de Ministros” nº 199/2023, of December 27, between 2024 and 2028, the Atlantic International Research Centre will be funded as follows:

Year	Amount (in EUR)
2024	1 750 000.00
2025	1 750 000.00
2026	1 750 000.00
2027	1 750 000.00
2028	1 750 000.00
Total.....	8 750 000.00

The continuation of the support from the Regional Government of the Azores after 2023 is also being negotiated as well as the support from the Regional Government of Madeira from 2024.

In-kind and in-cash commitments from other Associated Member Countries is also being equated and discussions will take place in 2024.

Annex 7 - Auditor's Report



João Caraca
José Bastien
Eduardo Martins

STATUTORY AUDITOR'S REPORT

(Free translation from a report originally issued in Portuguese language. In case of doubt the Portuguese version will always prevail)

REPORT ON THE AUDIT OF THE FINANCIAL STATEMENTS

Opinion

We have audited the accompanying financial statements of AD AIR CENTRE – Associação para o Desenvolvimento do Atlântico Internacional Research Centre (the Entity), which comprise the balance sheet as at 31st December 2023 (showing a total of 1,767,404 euros and a total net equity of 557,087 euros, including a net profit of 15,965 euros), the income statement by nature for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements are prepared, in all material respects, in accordance with the Accounting Standard for Non-Profit Entities adopted in Portugal under the Portuguese Accounting System.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs) and further technical and ethical standards and guidelines as issued by Ordem dos Revisores Oficiais de Contas (the Portuguese Institute of Statutory Auditors). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section below. We are independent of the Entity in accordance with the law and we have fulfilled other ethical requirements in accordance with the Ordem dos Revisores Oficiais de Contas code of ethics.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of matter

As mentioned in the section on future prospects and subsequent events of the management report and financial statements, the continuity of the Association's operations was dependent on the renewal of "Resolução do Conselho de Ministros" nº 29/2018 for an additional period of 5 to 5 years as of 2024. Considering the mission of the AIR CENTRE, funding was renewed through "Resolução do Conselho de Ministros" nº 199/2023, which allows Função para a Ciência e a Tecnologia, I. P. to assume multi-annual responsibilities and to carry out the required expenses for the operation of the Association between 2024 and 2028.

Our opinion is not qualified in relation to this matter.

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Responsibilities of management body for the financial statements

Management is responsible for:

- the preparation of financial statements in accordance with the Accounting Standard for Non-Profit Entities adopted in Portugal under the Portuguese Accounting System;
- the preparation of the management report in accordance with applicable laws and regulations;
- designing and maintaining an appropriate internal control system to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error;
- the adoption of accounting policies and principles appropriate in the circumstances; and
- assessing the Entity's ability to continue as a going concern, and disclosing, as applicable, the matters that may cast significant doubt about the Entity's ability to continue as a going concern.

Auditor's Responsibilities for the Audit of the Financial Statements

Our responsibility is to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control;
- obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control;
- evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management;



- conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Entity to cease to continue as a going concern;
- evaluate the overall presentation, structure and content of the financial statements, including the disclosures, in accordance with the Accounting Standard for Small Entities adopted in Portugal under the Portuguese Accounting System;
- communicate with those charged with governance, including the supervisory body, regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Our responsibility also includes the verification that the information contained in the management report is consistent with the financial statements.

REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS

On the management report

In compliance with the applicable legal requirements, in our opinion the management report was prepared in accordance with the applicable legal and regulatory requirements in force and the information contained therein is consistent with the audited financial statements and, taking into consideration the knowledge and appreciation about the Entity, we have not identified any material misstatements.

Lisboa, 28th February 2024

Martins Pereira, João Careca & Associados, SROC, Lda,
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Represented by:

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AIRCENTRE

ATLANTIC INTERNATIONAL RESEARCH CENTRE