

**Programme Environment, Climate Change and Low Carbon Economy European
Economic Area Financial Mechanism 2014.2021**

*Aviso de concurso #5 – Projetos de preparação para condições meteorológicas extremas e de gestão de
riscos no contexto das alterações climáticas*

**Final Report
June 2024**

PROJET 04_Call#5

FoRES

– Development of FOrests RESilience to fires in a climate change scenario -

**De acordo com os Artigos 25º, nº 2, alínea j) e 29º, nº4 do ‘Guia para os Candidatos ao Financiamento de Projetos
de Ambiente, sobre Alterações Climáticas e Economia do baixo Carbono’**

https://www.eeagrants.gov.pt/media/2993/guia-para-o-financiamento-projetos-eea-grants_programa-ambiente_28112019.pdf

Period in question: Full period (M1-M18)

Delivery date: 17-june-2024

General information about the project:

Start: 01/10/2022

End: 31/04/2024

Duration: 18 months extended by one more month

PROMOTER: University of Aveiro

Partners: ForestWISE - Associação para o Laboratório Colaborativo para a gestão integrada da floresta e do fogo;
NIBIO - Norwegian Institute of Bioeconomy Research

TOTAL COST: 464.376,34 €

Financing rate: 85,0%

Funding: 394.719,89 €

Liaison: David Carvalho, david.carvalho@ua.pt

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i. Detailed description

FoRES is a project developed by the University of Aveiro (UAVR) as a Project Promoter, together with the Collaborative Laboratory for Integrated Forest & Fire Management – Colab ForesWISE, the Norwegian Institute of Bioeconomy Research NIBIO as a party Entity, and the Associação de Produtores Agrícolas Tradicionais e Ambientais–APATA as local partners and managers for the area of interest (LFIR).

This is the final report of this project. The project implementation started on 1 October 2022 and finished on 30 April 2024. During this period, the following activities were successfully completed.

- A1 - Stakeholders' engagement in the definition and assessment of future forest management strategies
- A2 - Definition of future climate and climate-defined fire-risk scenarios
- A3 - Design of alternative forest management scenarios/pilot projects
- A4 - Forest fire simulation for future climates under alternative forest management strategies
- A5 - Land degradation and post-fire soil erosion risk assessment.

The project benefited greatly from strong stakeholder involvement, which contributed significantly to its success. The project timeline was extended by one month, and during its course, several team members departed and were replaced by others. These changes have all been documented in the interim progress monitoring reports of the project.

The following is a summary of these activities. The objectives, tasks, and roles of each partner were specified for each activity. This information is summarised in the tables presented in the following sections.

Table 1. Synthesis table of technical execution by activity.

Activity ID	Activity Description	Start date	End Date	Execution Status*
Activity 1	Stakeholders' engagement on the definition and assessment of future forest management strategies			
A1.1	First stakeholder workshop to identify LFIR forest management scenarios planned for 2030-2070	2022-10-01	2022-11-30	Completed
A1.2	Second stakeholder workshop to reassess future forest management strategies and land-use scenarios, considering FoRES results	2023-12-01	2024-01-31	Completed
A1.3	Field day activity for visiting the pilot areas and discussing, in loco, the potential management strategies to deal with future climate change scenarios.	2024-02-01	2024-03-31	Completed
Activity 2	Definition of future climate and climate-defined-fire-risk scenarios			
A2.1	Dynamical downscaling of CMIP6 future climate scenarios for 2030-2070	2022-01-10	2023-02-29	Completed
A2.2	Identification of future high fire weather risk episodes	2023-02-01	2023-04-30	Completed
A2.3	Participation in EGU 2023 (Fee participation, travel and subsistence)	2023-04-23	2023-04-27	Completed
A2.4	Participation in EMS 2023 (Fee participation, travel and subsistence)	2023-09-23	2023-09-27	Completed
A2.5	Scientific Publications	2023-12-01	2023-12-31	Completed
Activity 3	Design of alternative forest management scenarios / pilot-projects			
A3.1	Design of alternative forest management scenarios	2022-12-01	2023-03-31	Completed
A3.2	Derive the land use/vegetation cover parameters of the forest management plans designed in A3.1 to be fed into the WRF-SFIRE model in activity A4.1	2023-04-01	2023-05-31	Completed
A3.3	Participation in ICFES 2023/ WildFire Conference (Fee participation, travel and subsistence) ¹	2023-06-24	2023-06-25	Completed
A3.4	Take Fores to the schools - Awareness session to high school community and other science communication material	2023-07-01	2024-01-31	Completed
Activity 4	Forest fires simulation for future climates under alternative forest management strategies			
A4.1	Definition of the land use, fuel and vegetation parameters to be edited in the WRF-SFIRE modelling framework	2023-05-01	2023-06-30	Completed
A4.2	Fire ignition and propagation events simulation under the different scenarios of land / vegetation cover and fuel characteristics	2023-07-01	2023-11-30	Completed
A4.3	Participation in AGU 2023 (Fee participation, travel and subsistence)	2023-12-11	2023-12-15	Completed
Activity 5	Land degradation and post-fire soil erosion risk assessment			
A5.1	Optimization of the MMF model for the study area	2023-09-01	2023-10-31	Completed
A5.2	Validation of the MMF model for the study area	2023-10-01	2023-11-30	Completed
A5.3	Assess / map post-fire soil erosion risk for the simulated fires and design of emergency stabilization actions	2023-11-01	2024-02-29	Completed
A5.4	Encontro Ciência 2023	2023-05-01	2023-05-31	Completed
A5.5	World Soil Day	2023-05-01	2023-05-31	Completed
Activity 6	Management			
A6.1	Preparation and sending to SGE the interim reports	2023-01-01	2024-01-31	Completed
A6.2	Final Report of technical, operational and financial execution of this Contract	2024-03-31	2024-03-31	Completed
A6.3	Transfer and management of financial flows to Project Partners (payments)	2022-12-01	2024-03-31	Completed

Except those highlighted with an active link, which pertains to the last 4 months of the project, all other evidences pertaining to the activities listed in Table 2 has been previously sent along with the respective Progress Reports.

Table 2. Coordination meetings and internal meetings

Date	Participants	Topic	Evidences (Meeting minutes; photos; other evidences)
03/01/2023	UAVR management Team	Status update	#2 Relatorio de Acompanhamento FoRES_2Relatorio_ATA_EC_#004
06/01/2023	UAVR Team ForestWISE APATA	Visit to the Low Lombada Study Area and Technical Meeting on January 6, 2022	#2 Relatorio de Acompanhamento FoRES_2Relatorio_Visita_Reuniao_Tecni ca_6jan_Anexo_2
16/01/2023	UAVR Team ForestWISE	Internal meeting to prepare for the meeting with APATA stakeholders, aimed at defining a strategy for the workshop and outlining the guest list.	#2 Relatorio de Acompanhamento FoRES_2Relatorio_reuniao_interna_16jan_Anexo_3a FoRES_2Relatorio_reuniao_interna_Sandra_Paula_16_01_2023_Anexo_3b
18/01/2023	UAVR Team APATA	Preparação do Dia Nacional da Floresta e do Workshop	#2 Relatorio de Acompanhamento FoRES_2Relatorio_F W_Paula_APATA_18_01_2023_Anexo_4
17/02/2023	FoRES e Science Advisory Board	Discussion and presentation of alternative scenarios. Announcement and preparation for the visit to Baixa da Lombada and the workshop on March 21, 2023.	#2 Relatorio de Acompanhamento FoRES_2Relatorio_ Gmail - FoRES meeting - 17 Feb 14h_Anexo_5 FoRES_2Relatorio_r euniao_17feb2023_ David_Anexo_5a FoRES_2Relatorio_r euniao_17feb2023_ Paula_Anexo_5b FoRES_2Relatorio_A TA_EC_#005
27/04/2023	UAVR NiBIO (Noruega)	Preparation for the visit to Baixa da Lombada and pilot project preparation	#2 Relatorio de Acompanhamento FoRES_2Relatorio_Reuniao_UA_NiBIO_A nexo_6
19/09/2023	UAVR Team	Visit to the study area (ZIF Lombada) by the FoRES team from UA (measurements of burned soil properties)	FoRES FinalRelatorio Lombada UAVR NiBIO fotos.pdf*
17/10/2023	UAVR Team	Working meeting among FoRES team members	#4 Relatorio de Acompanhamento FoRES_4Relatorio_ATA_EC_#008.pdf
24/11/2023	UAVR management Team	Visit to the study area (ZIF Lombada) by the FoRES team from UA (verification of burned area in the vicinity of LFIR)	#4 Relatorio de Acompanhamento IMG_20231124_160610.jpeg IMG_20231124_160612.jpeg IMG_20231124_160615.jpeg IMG_20231124_160617.jpeg
29/11/2023	UAVR management Team	Visit to the study area (ZIF Lombada) by the FoRES team from UA (measurements of burned soil properties)	#4 Relatorio de Acompanhamento IMG_20231129_160819.jpeg IMG_20231129_160821.jpeg

09/01/2024 10/01/2024	UAVR Team	Visit to the study area – Sampling and soil measurements	FoRES_FinalRelatorio_Lombada_UAVR_JAN_fotos.pdf*
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*By mistake, this meeting was not included in the last report.

ii. Results achieved

In this section, we present the Evaluation of Project Results, examine each reporting milestone, and address any potential deviations from the schedule. This evaluation encompassed activities, outcome indicators, communication plans, and chronograms.

All project activities/actions were executed. Henceforth, the interim progress monitoring reports of the project are identified as #RI.

All the supporting documents and evidences concerning the results and indicators are available on this link:

https://uapt33090-my.sharepoint.com/:f/g/personal/david_carvalho_ua_pt/En_O0uVlzP1Gm9Pdv1I5QOkB7M4Mo7hWogC6rZsRInt1gQ?e=Ja8hJB

ID	Activity name	Promoter / Partner	Indicators	Targets	Results	% Cumulative technical execution ¹	Comments/Pasta Dossier do Projeto	Final Documents	Evidences (Meeting minutes; attendance sheets; other evidences; photos)
A1.1	Stakeholder workshop 1	UBIO/UAVR ForestWISE APATA	Number of attendees	25	25	100	Pasta 6 > 5-Workshop#1.zip	Reported in 1RI Assinaturas.pdf	Participants list and assessment survey
A1.2	Stakeholder workshop 2		Number of attendees	25	25	100	Pasta 6 > 12-Workshop#12_e_field_day_activity.zip	Reported in in FinalReport.pdf Listadepresenças.pdf	Participants list and assessment survey
A1.3	Field day activity		Number of attendees	25	25	100	Pasta 6 > 12-Workshop#12_e_field_day_activity.zip > Fotos_field_day_activity	Reported in in FinalReport.pdf Photos	Participants list and assessment survey and photos
A2.1	Meteorological / climatic databases and maps	DFIS/UAVR	Databases and maps	10	15	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in 1RI and 2RI FoRES_WEBPAGE_A21_A22.pdf	Project website and reports, and published open-access data sets
A2.2	Fire risk databases and maps		Databases and maps	4	15	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in 1RI and 2RI FoRES_WEBPAGE_A21_A22.pdf	Project website and reports, and published open-access data sets

A2.3	EGU 2023		Number of presentations	2	3	100	Pasta 6 > 9-conferencias.zip>conferencias A2_EGU (Certificates of attendance)	Reported in 2RI EGU2023_RuiSilva.pdf EGU_presentation.pdf Poster_Joana.pdf	Conference proceedings
A2.4	EMS 2023		Number of presentations**	2	2	100	Pasta 6 > 9-conferencias.zip>conferencias A2_EMS (Certificate of attendance)	Reported in 2RI and 3RI EMS2023-confirmation-of-participation-David Carvalho.pdf EMS2023-209-print.pdf	Conference proceedings APMG
A2.5	Scientific publications (Publications Fees)		Publications	4	4	100	Pasta 6 > 11-ScientificPapers No fees paid.	Reported in in FinalReport.pdf Artigo 1.pdf to Artigo4.pdf	Scientific indexing database (Scopus, WOS)
ID	Activity name	Promoter / Partner	Indicators	Targets	Results	% Cumulative technical execution¹	Comments/Pasta Dossier do Projeto	Final Documents	Evidences (Meeting minutes; attendance sheets; other evidences; photos)
A3.1	Pilot-projects	DBIO/UAVR ForestWISE	Databases and maps	3	4	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in 3RI and in FinalReport.pdf FoRES_WEBPAGE_A31_verification.pdf	Project website and reports, and published open-access data sets
A3.2	Land use/vegetation cover parameters		NA*	NA*	NA*	NA*			NA*
A3.3	ICFES 2023 /Wildfire Conference		Number of presentations	2	3	100	Pasta 6 > 9-conferencias.zip>conferencias A3_Wildfire	Reported in 1RI and 2RI Design_forest_resilience.pdf Wildfire_RicardoVz_Porto.pdf	Conference proceedings
A3.4	Take Fores to the schools and other science communication material		Number of attendees	50	33	66	Despite all the efforts it was only possible to schedule this session. Pasta 6 > 6-take_fores_to_schools.zip	Reported in 1RI and 2RI Lista.pdf FoRES Goes to Schools.pdf Think Tank .- Lista de participantes.pdf Photo	Participants list and assessment survey
A4.1	Land use changes databases and maps	DFIS/UAVR	Databases and maps	6	6	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in 3RI and in FinalReport.pdf FoRES_WEBPAGE_A41_verification.pdf	Project website and reports, and published open-access data sets
A4.2	Fire spread databases and maps		Databases and maps	6	6	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in 3RI and in FinalReport.pdf FoRES_WEBPAGE_A42_verification.pdf	Project website and reports, and

ID	Activity name	Promoter / Partner	Indicators	Targets	Results	% Cumulative technical execution ¹	Comments/Pasta Dossier do Projeto	Final Documents	Evidences (Meeting minutes; attendance sheets; other evidences; photos)
									published open-access data sets
A4.3	AGU 2023		Number of presentations	2	2	100	Pasta 6 > 9-conferencias.zip>conferencias A4_AGU (Certificate of attendance and abstract)	Reported in 3RI AGU23_Abstract...#1253048.pdf AGU23_Abstract...#1257701.pdf AGU23_ParticipationCertificate_DC.pdf AGU23_ParticipationCertificate_SC.pdf	Conference proceedings
A5.1	Optimization of the MMF model	DAO/UAVR	NA*	NA*	NA*	NA*			NA*
A5.2	Validation of the MMF model		NA*	NA*	NA*	NA*			NA*
A5.3	Post-fire soil erosion risk databases and maps		Databases and maps	6	6	100	Pasta 6 > 8-meteorological_climatic_databases_and_maps	Reported in FinalReport.pdf ForES_WEBPAGE_A53_verification.pdf	Project website and reports, and published open-access data sets
A5.4	Encontro Ciência 2023		Number of presentations	1	2	100	Pasta 6 > 9-conferencias.zip>conferencias A5_EncontroCiencia	Reported in 4Ri and in FinalReport.pdf Poster1.pdf Poster2.pdf Poster3.pdf	Meeting program
A5.5	2023 World Soil Day		World Soil Day	30	41	100			Participants list and assessment survey
A6.1	Management		Interim Report	4	4	100	Project execution reports were submitted on a quarterly basis, in accordance with the guidelines of the Programme Operator - Secretary General for Environment		SGE 1RI, 2RI, 3RI, 4RI
A6.2	Management		Final Report	1	1	100			SGE
A6.3	Management		Payment Requests (PP)	3	2+1	100	A third and final payment request is planned towards the end of the project as reported and approved by Secretaria Geral do Ambiente in the 4RI.		SGE 1PP 2PP

¹ The goal is 100% if the material execution rate = result obtained/contracted goal.

*NA - Not applicable: This activity does not constitute or coincide with an indicator defined in the contract, so no sources of verification apply

The mean cumulative technical execution rate of the project by activity was as follows:

- A1: 100%
- A2: 100%
- A3: 80%
- A4: 100%
- A5: 100%
- A6: 100%

The overall technical execution of the project was 97%.

The execution rate of the communication plan is introduced, followed by the implementation timetable.

Table 3. Summary table of communication plan and respective indicators.

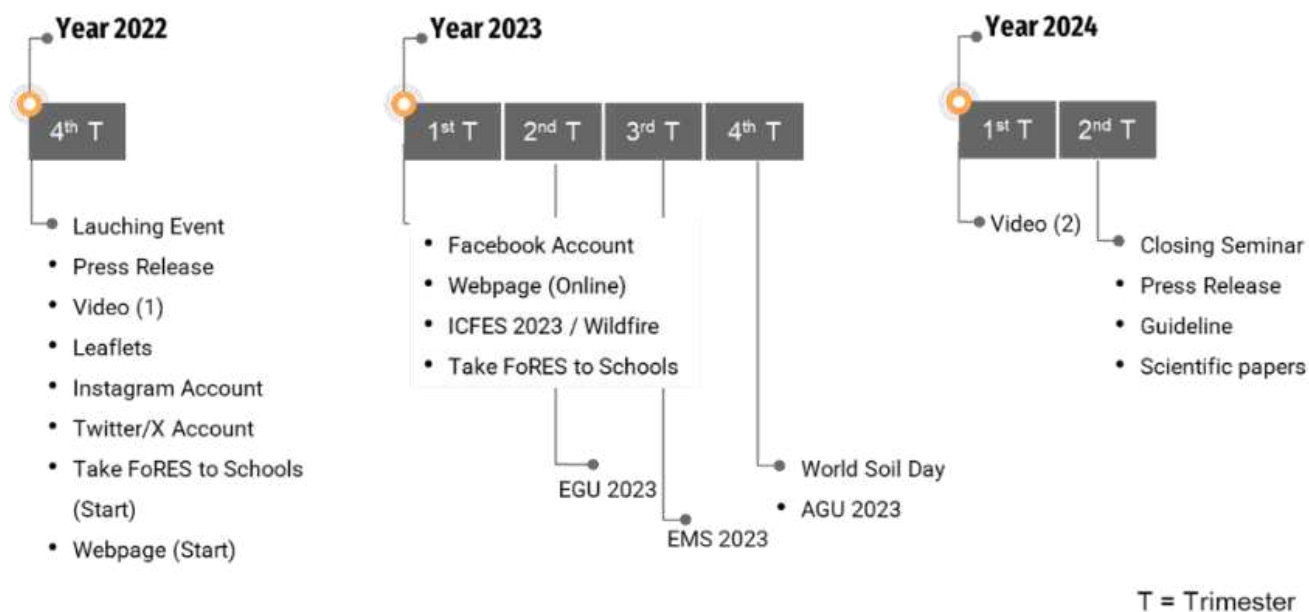
Indicator	Measurement (Unit)	Estimated Target	Evidences (forecasted/ delivered*)	Start Date	End Date
Launching event	Number of attendees	25	Completed 1RI Pasta 6 > 3-Lauching_Event.zip	October 2022	October 2022
Closing seminar	Number of attendees	25	Completed (Final RR). Pasta 6 > Closing_Seminar	April 2024	April 2024
2023 World Soil Day	Number relevant of stakeholders	10	Completed Pasta 6 > 7-World_Soil_Day.zip	December 2023	December 2023
Take FoRES to schools	Number of attendees	33	Completed Pasta 6 > 6-TakeFoRESToSchools.zip	October 2022	March 2023
Press release	Number of press releases	2	Completed (1 RI, Final RR) Pasta 6 > 1-press_release#1 Pasta 6 > 15-press_release#2	October 2022	October 2022
Webpage	Number of accesses	1000	Completed (2 RI) Pasta 6 > 16-redes_sociais-site estatisticas_site.png	October 2022 Online January 2023	Up to now
Facebook	Followers/month Number of likes	20 100	Completed (2 RI, 3 RI) Pasta 6 > 16-redes_sociais-site Relatorio_Final_Redes_Sociais.pdf	January 2023	up to now
Instagram	Followers/month Number of likes	20 100	Completed (2 RI, 3 RI) Pasta 6 > 16-redes_sociais-site Relatorio_Final_Redes_Sociais.pdf	October 2022	up to now
Twitter/X	Followers/month Number of likes	20 100	Completed (2 RI) Pasta 6 > 16-redes_sociais-site Relatorio_Final_Redes_Sociais.pdf	October 2022	up to now
Guideline document	Number	1	Completed (Final RR). Pasta 6>Guideline	April 2024	April 2024
Leaflets	Number	2	Completed (1 RI) Pasta 6 > 2-Leaflet#1.zip	October 2022	October 2022
Disseminating videos	Number	2	Completed (1 RI) Pasta 6 > video#1.zip Pasta 6 > video#2.zip	Fourth trimester 2023	First trimester 2024
Scientific Papers	Number	3	Completed (Final RR). Pasta 6 > ScientificPapers.zip	March 2024	April 2024

All the supporting documents and evidences concerning the results and indicators are available on this link:

https://uapt33090-my.sharepoint.com/:f:/g/personal/david_carvalho_ua_pt/En_O0uVlzP1Gm9Pdv1I5QOkB7M4Mo7hWogC6rZsRInt1gQ?e=Ja8hJB

The timeline of project dissemination activities is presented in the following diagram:

Communication Plan Timeline



A request to extend the project timeline from February 2024 to April 2024 was submitted and subsequently approved by the General Secretary of the Environment. The initial and updated project schedules are shown below:

Activity ID	Activity Description	Promoter / Partner	2022		2023												2024				Status						
			Oct-22	Nov-22	Dec-22	Jan/23	Feb-23	Mar/23	Apr-23	May-23	Jun/23	Jul/23	Aug-23	Sep-23	Oct-23	Nov/23	Dec-23	Jan/24	Feb-24	Mar/24		Apr-24					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		19					
A1 - Stakeholders' engagement on the definition and assessment of future forest management strategies	A1.1	First stakeholder workshop to identify LFIR forest management scenarios planned for 2030-2070																								completed	
	A1.2	Second stakeholder workshop to reassess future forest management strategies and land-use scenarios, considering ForRES results																									completed
	A1.3	Field day activity for visiting the pilot areas and discussing, in loco, the potential management strategies to deal with future climate change scenarios																									completed
A2 - Definition of future climate and climate-defined-fire-risk scenarios	A2.1	Dynamical downscaling of CMIP6 future climate scenarios for 2030-2070																									completed
	A2.2	Identification of future high fire weather risk episodes																									completed
	A2.3	Participation in the European Geosciences Union (EGU) 2023 conference																									completed
	A2.4	Participation in the European Meteorological Society (EMS) 2023 conference																									completed
	A2.5	Publication of scientific papers reporting ForRES main results and findings																									completed
A3 - Design of alternative forest management scenarios / pilot-projects	A3.1	Design of alternative forest management scenarios / pilot-projects																									completed
	A3.2	Derive the land use/vegetation cover parameters of the forest management plans designed in A3.1 to be fed into the WRF-SFIRE model in activity A4.1																									completed
	A3.3	Participation in the International Conference on Forest Ecology and Sustainability (ICFES) 2023 conference																									completed
	A3.4	Take Fores to the schools - Awareness session to high school community																									completed
A4 - Forest fires simulation for future climates under alternative forest management strategies	A4.1	Definition of the land use, fuel and vegetation parameters to be edited in the WRF-SFIRE modelling framework																									completed
	A4.2	Fire ignition and propagation events simulation under the different scenarios of land / vegetation cover and fuel characteristics																									completed
	A4.3	Participation in the American Geosciences Union (AGU) 2023 conference																									completed
A5 - Land degradation and post-fire soil erosion risk assessment	A5.1	Optimization of the MMF model for the study area																									completed
	A5.2	Validation of the MMF model for the study area																									completed
	A5.3	Assess / map post-fire soil erosion risk for the simulated fires and design of emergency stabilization actions																									completed
	A5.4	Encontro Ciencia 2023																									completed
	A5.5	2023 Ward Soil Day																									completed
A6 - Management	A6.1	Preparation and sending to SGE the interim reports																									completed
	A6.2	Final Report of technical, operational and financial execution of this Contract																									completed
	A6.3	Transfer and management of financial flows to Project Partners (payments)																									completed

iii. Description of costs and financial assessment

The expenses are presented in the following tables:

Table 5 Last Approved budget.

Output / Activity Project Partner	Custos de gestão / Management cost	Output / Atividade 1 /Output/Activity 1	Output / Atividade 2 / Output/Activity 2	Output / Atividade 3 /Output/Activity 3	Output / Activity 4	Output / Activity 5	Custo total de despesas elegíveis / TOTAL ELIGIBLE BUDGET HEADING COSTS	Custos indiretos
UA	35 858.28 €	24 940.94 €	74 303.67 €	57 087.09 €	83 941.84 €	63 368.21 €	339 500.03 €	39876.31
FORESTWISE	2 000.00 €	25 000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	27 000.00 €	0.00
NIBIO	0.00 €	0.00 €	11 200.00 €	0.00 €	0.00 €	35 200.00 €	46 400.00 €	11600.00
TOTAL ELIGIBLE COSTS	37858.3	49940.9	85503.7	57087.1	83941.8	98568.2	412900.0	51476.3
TOTAL PROJECT COST							464376.34	

Table 6. Total expenditure by partner and respective financial execution.

Partners	Total expenditure (including indirect costs)				Financial implementation rate in relation to the total cost of the project (including indirect costs)	
	PP1	PP2	PP3	Total	Budgeted	% execution
UA	89809.41	86508.71	163307.17	339625.30	379376.34	90%
FORESTWISE	0.00	0.00	20528.41	20528.41	27000.00	76%
NIBIO	0.00	0.00	32153.91	32153.91	58000.00	55%
Total	89809.41	86508.71	215989.49	392307.62	464376.34	84%

Table 7. Total expenditure and financial execution, excluding the indirect costs.

Parteners	Total expenditure of eligible expenditure (excluding indirect costs)	Financial implementation rate in relation to the
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					total cost of eligible expenditure (excluding indirect costs)	
	PP1	PP2	PP3	Total	Budgeted	% execution
UA	79976.03	75663.87	143420.90	299060.80	339500.03	88%
FORESTWISE	0.00	0.00	20528.41	20528.41	27000.00	76%
NIBIO	0.00	0.00	25653.58	25653.58	46400.00	55%
Total	79976.03	75663.87	189602.89	345242.79	412900.03	84%

Table 8. Total Expenditure: eligible expenses by activity and partner.

Activities	Total Expenditure: Eligible Expenses by Activity and Partner				Financial execution rate against the budgeted cost of each activity per partner				Technical Execution Rate
	UA	ForestWISE	NIBIO	Total	UA	ForestWISE	NIBIO	Total	
A1	28076.77	20528.41	0.00	48605.18	113%	82%	0%	97%	100%
A2	67542.74	0.00	0.00	67542.74	91%	0%	0%	79%	100%
A3	50577.55	0.00	0.00	50577.55	89%	0%	0%	89%	80%
A4	77089.14	0.00	0.00	77089.14	92%	0%	0%	92%	100%
A5	47543.73	0.00	25653.58	73197.31	75%	0%	73%	74%	100%
A6	28230.87	0.00	0.00	28230.87	79%	0%	0%	75%	100%
Total eligible costs	299060.80	20528.41	25653.58	345242.79	88%	76%	55%	84%	-
Indirect Costs	40564.50	0.00	6500.33	47064.83	102%	0%	56%	91%	-
Total	339625.30	20528.41	32153.91	392307.62	90%	76%	55%	84%	97%

In A1, UA exceeded the budget (113%) due to annual salary increases in the public sector and internal promotions of some project members assigned to UA, which were not originally budgeted for. Additionally, there may have been some misallocations of salary charges in one or more payment requests (for example, allocated to A1 when it should have been A5 or A6), as each project member with salary charges was assigned to multiple activities in the budget.

In indirect costs, the slight budget overrun (102%) also resulted from annual salary increases in the public sector and internal promotions of some project members assigned to UA.

The technical execution rate of A3 stood at 80% (Take FoRES to Schools achieved 66% as we were unable to conduct more sessions due to schools' lack of availability by the project end date).


iv. Description of the Project's contribution to achieving the overall objectives of EEA Grants and the Environmental Programme

The report highlights its contribution to the objectives of the Environment Program. Considering the project's characteristics, completing the following table will be meaningful only upon the project's completion.

Program Area Objective	Outcome	Indicador	Base Value	Target	Project Contribution to date	Related Activities
AP13	Outcome 3. Aumentar a resiliência e a capacidade de resposta às alterações climáticas em áreas específicas	Número de hectares com menor suscetibilidade à desertificação	286.5 ha	250ha	1	A1 A2 A3 A4 A5
	Output 3.5 Projetos-piloto de combate à desertificação concluídos	Número de projetos de combate à desertificação	4	3	3	A5

The project also contributes to bilateral relations, with the presence of a Norwegian partner.

O Promotor do Projeto

Nome	David João da Silva Carvalho
Data	Aveiro, 17 de Junho de 2024
Assinatura	
Posição	Investigador Responsável

O Operador do Programa – Secretaria Geral do Ambiente

Nome	Marco Rebelo
Data	Marco Rebelo
Assinatura	 Assinado de forma digital por Marco Rebelo Dados: 2024.10.29 17:42:39 Z
Posição	Secretário-Geral