

# ASES ON-CHAIN PROTOCOL

## PROJECT MONITORING REPORT

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*Ecological Restoration in Santa Clara a Velha, Odemira, Portugal*

*LT-003-POR-062023 LUZIANES-GARE, PORTUGAL*

*Life Terra*

*Type B Project*



May 27, 2024

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## TABLE OF CONTENTS

<b>I. Context.....</b>	<b>2</b>
<b>II. Method of analysis .....</b>	<b>2</b>
II.1. Vegetation Sampling Procedure.....	2
<b>III. Results .....</b>	<b>5</b>
III.1. Vegetation sampling.....	5
Fauna sampling .....	<b>Error! Bookmark not defined.</b>
<b>IV. Conclusions.....</b>	<b>5</b>
IV.1. Photographic annex.....	5

## I. CONTEXT

The project “Ecological Restoration in Santa Clara a Velha, Odemira, Portugal”, with the aOCC identification code LT-003-POR-062023 LUZIANES-GARE, PORTUGAL is in the onboarding stage for being registered under the ASES on-chain protocol. Since Project activities have been implemented before the start of the onboarding process, it participates as a project of Modality B. According to the aOCP rules and procedures, Modality B projects shall go through the following process in order to be registered:

1. Application via the Project Submission Form (PSF), done by Project proponent.
2. Documentation review and alignment assessment, done by aOCP Operations Team.
3. Project pre-registration, done by aOCP Operations Team.
4. On- site Audit of the implemented Project activities, done by aOCP Operations Team.
5. Elaboration of Baseline report, Monitoring plan, Contingent table of credits issuance, done by aOCP Operations Team.
6. Project proponent agreement.
7. Project Validation by an external, independent, 3<sup>rd</sup>-party Validator, delivering a Project Validation Report.
8. Project registration letter and first credits issuance, done by aOCP Operations Team.

This report corresponds to step 4, the on-site audit. The methodology and data gathered on-site are presented here.

## II. METHOD OF ANALYSIS

The *aOCP Methodology for carbon capture monitoring V1.0* was followed during this monitoring campaign.

### II.1. VEGETATION SAMPLING PROCEDURE

#### II.1.1. In cabinet

The sampling points were selected by means of a cartographic analysis for field corroboration. Nine quadrats of 100 m<sup>2</sup> were established on the coordinates provided in Table 1.

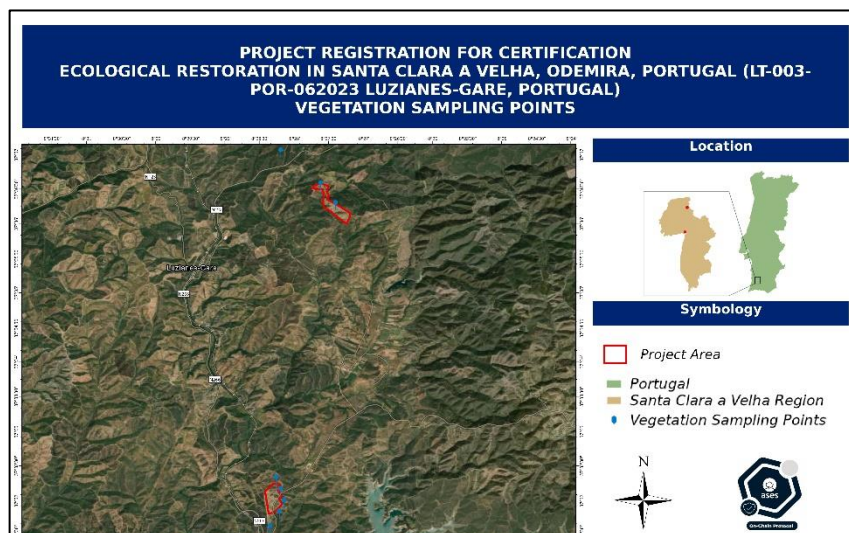
**Table 1. Geographic coordinates of assessed quadrats**

ID	Latitude	Longitude
2	37.521201	-8.474253
3	37.525349	-8.472413
4	37.528843	-8.470197
5	37.531453	-8.469049
6	37.534215	-8.469993
7	37.537085	-8.470966
8	37.615829	-8.469838
9	37.607926	-8.460238
10	37.603151	-8.456682

**II.1.2. In the field**

*Location and delimitation of the sampling site*

Rectangular polygons were implemented, marking the central point through the use of GPS (Figure 1).



**Image 1. Project area and vegetation sampling points location.**

### *Individual Registry direction*

The polygon was divided, and the individuals were recorded in a clockwise direction.

- **Vegetation Registration**

1. Sampling criteria were unified with the work team.
2. All vegetation was recorded per sampling point using the proprietary Ases application.
3. A person responsible for the use of the application was designated.
4. An overview of the job site was made.
5. It will begin with the filling out of the overview of the sampling site and once.
6. The vegetation was recorded by strata, first, the tree stratum was recorded, then the shrubs, and finally the herbaceous ones

- **Registration of trees and shrubs**

1. The individuals were identified by their scientific or reference name.
2. The diameter and height of the main trunk were measured.
3. The total height of the individual was measured.
4. The diameter of the largest crown and its perpendicular crown were recorded.
5. Photographic evidence was taken of the species that were measured and identified.
6. Photographic evidence of the activities of the registration of tree individuals was taken in order to integrate the photographic annex of activities.

- **Herbaceous Register**

1. They were identified by the scientific name or reference to the individual or group of individuals.
2. The percentage of surface area occupied at the sampling site was estimated.
3. Photographic evidence of the species was taken.

### III. RESULTS

#### III.1. VEGETATION SAMPLING

**Table 2. Number of planted species and individuals recorded**

Species	Number of individuals
<i>Arbutus hunedo</i>	1,067
<i>Olea europea</i>	38
<i>Pinus pinea</i>	94
<i>Quercus suber</i>	130
<b>Total</b>	<b>1,329</b>

### IV. CONCLUSIONS

The Project activity submitted by the Project proponent **Life Terra Foundation**, has been monitored on-site, finding that the Project activities presented in the PSF are consistent with what was observed during the field audit.

#### IV.1. PHOTOGRAPHIC ANNEX

The following photographs show the Project area, the state of the plantation done by the Project proponent, and the monitoring activities performed by the aOCP Operations Team during the field visit on March 4<sup>th</sup> and 5<sup>th</sup> 2024.







