



# VERIFICATION AND CERTIFICATION REPORT

- 1ST PERIODIC –

INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT (IBRD) AS TRUSTEE OF THE  
BIOCARBON FUND (BIOCF)

ASSISTED NATURAL REGENERATION OF DEGRADED LANDS  
IN ALBANIA

UNFCCC REF. No. : 2714

Monitoring Period: 2004-12-20 to 2012-06-30  
(incl. both days)

**Report No: 8000389372 – 10/492 V01**

**Date: 2013-05-21**

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	Assisted Natural Regeneration of Degraded Lands in Albania	2010-01-02	<a href="#">2714</a>	
		<b>Verification No.:</b>		
		1st periodic verification		
	<b>Crediting period:</b>	<b>From:</b>	<b>To:</b>	
	<input checked="" type="checkbox"/> Renewable (20y) <input type="checkbox"/> Fixed (30y)	2004-12-20	2024-12-19	
	<b>Project Scale:</b>			
	<input checked="" type="checkbox"/> Large Scale <input type="checkbox"/> Small Scale			
<b>Project Participant(s):</b>	<b>Non Annex 1 country:</b>	<b>Annex 1 country:</b>		
	Albania	<p>Italy: Government of Italy - Ministry for the Environment, Land and Sea</p> <p>Spain: Kingdom of Spain - Ministry of Agriculture, Food and Environment and Ministry of Economy and Competitiveness</p> <p>Canada.* Party withdrawn from KP effective 15/12/2012: Government of Canada - Ministry of Foreign Affairs and International Trade</p> <p>Japan: Idemitsu Kosan Co., Ltd.; The Okinawa Electric Power Co., Inc.; Suntory Holdings Limited; Tokyo Electric Power Co., Inc.; Sumitomo Joint Electric Power Co., Ltd.; Japan Iron and Steel Federation (JISF); Japan Petroleum Exploration Co., Ltd. (JAPEX); Sumitomo Chemical</p> <p>France: Eco-Carbone S.A.S</p> <p>Luxembourg: Ministry of Sustainable Development and Infrastructure</p>		
	<b>PP from non Annex 1 country:</b>	<b>PP from Annex 1 country:</b>		
	Ministry of Environment, Forests and Water Administration	International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF)		
<b>Applied methodology/ies:</b>	<b>Title:</b>	<b>No.:</b>	<b>Scope(s) / TA(s)</b>	
	Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing	AR-AM0003 ver. 4	14 / 14.1	
<b>Monitoring period and monitoring report</b>	<b>Monitoring period (MP):</b>		<b>Monitoring Report:</b>	
	<b>From:</b>	<b>To:</b>	<b>No. of days:</b>	<b>Draft version:</b>
	2004-12-20	2012-06-30	2749	2012-06-30
				<b>Final version:</b>
				2013-02-25



<b>Verification team / Technical Review and Final Approval:</b>	<b>Verification Team:</b>		<b>Technical review:</b>	<b>Final approval:</b>
	Alexandra Nebel (TL, TE)	Evgeni Sud	Inga Köster	Rainer Winter
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	2012-07-03	2012-07-24	2012-07-16	2012-07-20
<b>Summary of Verification opinion</b>	<p>The International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF) has commissioned the TÜV NORD JI/CDM Certification Program to carry out the 1st periodic verification of the project: "Assisted Natural Regeneration of Degraded Lands in Albania", with regard to the relevant requirements for CDM project activities.</p> <p>As a result of this verification, the verifier confirms that:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> all operations of the project are implemented and installed as planned and described in the validated project design document except of specific types of changes of A/R project activities that have been discussed in this FVR.</li> <li><input checked="" type="checkbox"/> the monitoring plan is in accordance with the applied approved CDM methodology,</li> <li><input checked="" type="checkbox"/> the equipment essential for measuring parameters required for calculating emission removals are as per best forest practice and calibrated (as required) appropriately,</li> <li><input checked="" type="checkbox"/> the monitoring system is in place and functional. The project has generated GHG emission removals, and</li> <li><input checked="" type="checkbox"/> the GHG emission removals are calculated without material misstatements in a conservative and appropriate manner.</li> </ul> <p>TÜV NORD JI/CDM CP herewith confirms that the project has achieved emission removals (tCERs) in the above mentioned reporting period as listed below (verified amount).</p>			
<b>Emission removals: [t CO<sub>2e</sub>] (tCERs)</b>	<b>Verified amount</b>		<b>As per draft MR:</b>	<b>As per PDD:</b>
	128,757		175,993	178,598
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## **Abbreviations:**

<b>A/R</b>	<b>Afforestation/Reforestation</b>
<b>CAR</b>	<b>Corrective Action Request</b>
<b>CDM</b>	<b>Clean Development Mechanism</b>
<b>CER</b>	<b>Certified Emission Removal</b>
<b>t-CER</b>	<b>Temporary Certified Emission Removal</b>
<b>I-CER</b>	<b>Long-term Certified Emission Removal</b>
<b>CO<sub>2</sub></b>	<b>Carbon dioxide</b>
<b>CO<sub>2eq</sub></b>	<b>Carbon dioxide equivalent</b>
<b>CL</b>	<b>Clarification Request</b>
<b>DFPP</b>	<b>Directorate of Forest pasture Policies</b>
<b>DFS</b>	<b>District Forestry Staff</b>
<b>ER</b>	<b>Emission Removal</b>
<b>FAR</b>	<b>Forward Action Request</b>
<b>FPUA</b>	<b>Forest and Pasture User Association</b>
<b>GHG</b>	<b>Greenhouse gas(es)</b>
<b>GPG</b>	<b>Good Practice Guide</b>
<b>ha</b>	<b>hectare</b>
<b>LULUCF</b>	<b>Land use, land use change and forestry</b>
<b>MP</b>	<b>Monitoring Plan</b>
<b>MoEFWA</b>	<b>Ministry of Environment, Forest and Water Administration</b>
<b>MR</b>	<b>Monitoring Report</b>
<b>NRDP</b>	<b>Natural Recourse Development Project</b>
<b>PDD</b>	<b>Project Design Document</b>
<b>PP</b>	<b>Project Participant</b>
<b>QA/QC</b>	<b>Quality Assurance / Quality Control</b>
<b>SAMRT</b>	<b>Simplified Monitoring Afforestation/Reforestation Tool</b>
<b>UNFCCC</b>	<b>United Nations Framework Convention on Climate Change</b>
<b>VVS</b>	<b>Validation and Verification Standard</b>
<b>XLS</b>	<b>Emission Removal Calculation Spread Sheet</b>

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## 1. INTRODUCTION

International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF) has commissioned the TÜV NORD JI/CDM Certification Program (CP) to carry out the 1st periodic verification of the project

*“Assisted Natural Regeneration of Degraded Lands in Albania”*

with regard to the relevant requirements for CDM project activities. The verifiers have reviewed the implementation of the monitoring plan (MP) in the registered CDM project.

GHG data for the monitoring period was verified in detailed manner applying the set of requirements, audit practices and principles as required under the Validation and Verification Standard <sup>/VVS/</sup> of the UNFCCC.

This report summarizes the findings and conclusions of this 1st periodic verification of the above mentioned UNFCCC registered project activity.

### 1.1. Objective

The objective of the verification is the review and ex-post determination by an independent entity of the GHG emission removals. It includes the verification of the:

- implementation and operation of the project activity as given in the PDD,
- compliance with applied approved methodology and the provisions of the monitoring plan,
- data given in the monitoring report by checking the monitoring records, the emissions removal calculation and supporting evidence,
- accuracy of the monitoring equipment,
- quality of evidence,
- significance of reporting risks and risks of material misstatements.

### 1.2. Scope

The verification of this registered project is based on the validated project design document <sup>/PDD/</sup>, the monitoring report <sup>/MR/</sup>, emission removal calculation spread sheet <sup>/XLS/</sup>, supporting documents made available to the verifier and information collected through performing interviews and during the on-site assessment. Furthermore publicly available information was considered as far as available and required.

The verification is carried out on the basis of the following requirements, applicable for this project activity:

- Article 12 of the Kyoto Protocol <sup>/KP/</sup>,



- 
- guidelines for the implementation of Article 12 of the Kyoto Protocol as presented in the Marrakech Accords under decision 3/CMP.1 <sup>/MA/</sup>, and subsequent decisions made by the Executive Board and COP/MOP,
  - Modalities and procedures for A&R project activities under the CDM in the first commitment period of the Kyoto Protocol <sup>/MPAP/</sup>
  - other relevant rules, including the host country legislation,
  - CDM Validation and Verification Standard <sup>/VVS/</sup>,
  - monitoring plan as given in the registered PDD <sup>/PDD/</sup>,
  - Approved CDM Methodology.



## 2. GHG PROJECT DESCRIPTION

### 2.1. Technical Project Description

The project activity has been implemented to reduce and avoid erosion and to establish forests on degraded lands in Albania. The continuous degradation has been mainly caused by intensive grazing activities in the forest and pasture lands without sustainable management. To avoid further degradation of the land the project activity implemented several measures a) protection of the forest land from grazing to promote natural regeneration of valuable native species, b) supplementary planting where deemed necessary to support and enrich the natural regeneration and c) silvicultural measures to enhance biomass density and growth.

The key parameters of the project are given in Table 2-1:

**Table 2-1:** Technical data of the project activity

Parameter	Unit	Value	
No. of forest sites	quantity	220	
Total forest area	ha	6,272.36	
No. of trees per ha	quantity	200-1000 (see planting distance)	
Planted tree species (scientific name) and main species of natural regeneration	Name	Acer sp.	86.5 ha
		Castanea sativa	669.3 ha
		Cerasus avium	235.4 ha
		Fraxinus excelsior	58.0 ha
		Juglans regia	58.0 ha
		Quercus Spp.	624.5 ha
		Betula verrucosa	579.0 ha
		Pinus spp.	351.5 ha
		Populus spp.	82.0 ha
Robinia pseudoacacia	520.0 ha		
Planting distance	m	Several, depends on tree species and local conditions (availability of natural regeneration)	
Hole dimension	m	0.5 x 0.5 (maximum)	
No. of sample plots	quantity	95	
Size of sample plot	m²	200 (radius 7.98 m)	

The project implementation took place phase wise and is still not completed. The table above shows the planned implementation on all sites as described in the PDD. About 50% <sup>/MR//IMPL/</sup> of all measures like fencing, planting and maintenance (promotion of small trees during implementation) have been concluded so far.

During the implementation no slash and burn or fertilisation practice has been used <sup>/IMO3//IMO1/</sup>. Further hole digging was reduced to a minimum necessary for tree planting (0.5m x 0.5m).

The transportation of the seedling to the site has been done with horses. The terrain is in many cases not adequate for other transportation vehicles.

Due to the variety of species the habitat for flora and fauna was intended to be improved.

The technical implementation of the project has been carried out as given in the registered PDD, apart from site specific adaptation of planting (species and no. of trees). All implementation steps have been duly recorded. No threats on the applicability criteria of the methodology could be observed.

## 2.2. Project Location

The details of the project location are given in Table 2-2:

**Table 2-2:** Project Location

No.	Project Location
Host Country	Albania
Region:	5 regions (Shkoder, Kukes, Diber, Elbasan, Korce)
Project location address:	10 districts
No. of sites	117 villages (220 forest sites)
	North: 20°17'52.09"E 42°16'6.346"N
	West: 19°45'50.282"E 41°58'50.039"N
	East: 20°35'22.498"E 41°57'21.961"N
	South: 20°36'55.69"E 40°15'41.499"N

\*Detailed coordinates of polygons as per Annex of the MR

## 2.3. Project Verification History

Essential events since the registration of the project are presented in the following Table 2-3.

**Table 2-3:** Status of previous Monitoring Periods

#	Item	Time	Status
1	1 <sup>st</sup> Monitoring period	2004-12-20 - 2012-06-30	Awaiting Issuance Request
2	2 <sup>nd</sup> Monitoring period	-	-
n	Renewal of Crediting Period	-	-

An overview of all Post Registration Changes is given in the following table.

**Table 2-3:** Overview Post Registration Changes

#	Applicable from – to / as of	MP	Type of post registration change <sup>1)</sup>	Description	Status <sup>2)</sup> / Date
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#	Applicable from – to / as of	MP	Type of post registration change <sup>1)</sup>	Description	Status <sup>2)</sup> / Date
1	2004-12-20 to 2012-06-30	1	TDfrMP	Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).	Approved 2012-11-12
2	2004-12-20 to 2012-06-30	1	TDfMM	Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).	Approved 2012-11-12
3	-		CrPDD		
4	-		PCfrMP		
5	-		PCfMM		
6	-		CoPD		
7	2004-12-20	1	A/RsTCh	As per MR B.2.6 and discussed in Section 5 and Annex 3 of FVR	Accepted by DOE/ 2013-05-21

- <sup>1)</sup>
- TDfrMP : Temporary deviation from registered monitoring plan
  - TDfMM : Temporary deviation from the monitoring methodology
  - CrPDD : Corrections to the registered PDD
  - PCfrMP : Permanent changes from registered Monitoring Plan
  - PCfMM : Permanent changes from Monitoring Methodology
  - CoPD : Changes to the project design of a registered project activity
  - A/RsTCh : A/R specific types of changes

- <sup>2)</sup> Approval (by EB) or Acceptance (by DOE)

### 3. METHODOLOGY AND VERIFICATION SEQUENCE

#### 3.1. Verification Steps

The verification consisted of the following steps:

- Contract review
- Appointment of team members and technical reviewers
- Publication of the monitoring report
- A desk review of the Monitoring Report<sup>/MR/</sup> submitted by the client and additional supporting documents with the use of customised verification protocol<sup>/CPM/</sup> according to the Validation and Verification Standard<sup>/VVS/</sup>,
- Verification planning,
- On-Site assessment,
- Background investigation and follow-up interviews with personnel of the project developer and its contractors,
- Draft verification reporting
- Resolution of corrective actions (if any)
- Final verification reporting
- Technical review
- Final approval of the verification.

#### 3.2. Contract review

To assure that

- the project falls within the scopes for which accreditation is held,
- the necessary competences to carry out the verification can be provided,
- Impartiality issues are clear and in line with the CDM accreditation requirements

a contract review was carried out before the contract was signed.

#### 3.3. Appointment of team members and technical reviewers

On the basis of a competence analysis and individual availabilities a verification team, consisting of one team leader and one additional team member, was appointed.

The list of involved personnel, the tasks assigned and the qualification status are summarized in the Table 3-1 below.

**Table 3-1:** Involved Personnel

	Name	Company	Function <sup>1)</sup>	Qualification Status <sup>2)</sup>	Scheme competence <sup>3)</sup>	Technical competence <sup>4)</sup>	Verification competence <sup>5)</sup>	Host country Competence	On-site visit
<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Alexandra Nebel	TN CERT	TL	SA	<input checked="" type="checkbox"/>	14.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Evgeni Sud	TN CERT	TM <sup>A)</sup>	LA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Inga Köster	TN CERT	TR <sup>B)</sup>	TE	<input checked="" type="checkbox"/>	14.1	<input type="checkbox"/>	<input type="checkbox"/>	-
<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	Rainer Winter	TN CERT	TR/ FA <sup>B)</sup>	SA	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	-

<sup>1)</sup> TL: Team Leader; TM: Team Member, TR: Technical review; OT: Observer-Team, OR: Observer-TR; FA: Final approval

<sup>2)</sup> GHG Auditor Status: A: Assessor; LA: Lead Assessor; SA: Senior Assessor; T: Trainee; TE: Technical Expert

<sup>3)</sup> GHG auditor status (at least Assessor)

<sup>4)</sup> As per S01-MU03 or S01-VA070-A2 (such as 1.1, 1.2, ...)

<sup>5)</sup> In case of verification projects

<sup>A)</sup> Team Member: GHG auditor (at least Assessor status), Technical Expert (incl. Host Country Expert or Verification Expert), not ETE

<sup>B)</sup> No team member

All team members contributed to the review of documents, the assessment of the project activity and to the preparation of this report under the leadership of the team leader.

Technical experts contributed to the assessment of special aspects of the project activity, e.g. technical or host country aspects.

Statements of competence for the above mentioned team members are enclosed in annex 2 of this report.

### 3.4. Publication of the Monitoring Report

In accordance with the CDM M&P (§ 62) the draft monitoring report, as received from the project participants, has been made publicly available on the dedicated UNFCCC CDM website prior to the verification activity commenced. Comments received are taken into account in the course of the verification, if applicable.

### 3.5. Verification Planning

In order to ensure a complete, transparent and timely execution of the verification task the team leader has planned the complete sequence of events necessary to arrive at a substantiated final verification opinion.

Various tools have been established in order to ensure an effective verification planning.

#### Risk analysis and detailed audit testing planning

For the identification of potential reporting risks and the necessary detailed audit testing procedures for residual risk areas table A-1 is used. The structure and content of this table is given in Table 3-2 below.

**Table 3-2:** Table A-1; Identification of verification risk areas

<b>Table A-1: GHG calculation procedures and management control testing / Detailed audit testing of residual risk areas and random testing</b>				
<b>Identification of potential reporting risk</b>	<b>Identification, assessment and testing of management controls</b>	<b>Areas of residual risks</b>	<b>Additional verification testing performed</b>	<b>Conclusions and Areas Requiring Improvement (including Forward Action Requests)</b>
<i>The following potential risks were identified and divided and structured according to the possible areas of occurrence.</i>	<i>The potential risks of raw data generation have been identified in the course of the monitoring system implementation. The following measures were taken in order to minimize the corresponding risks.</i>  <i>The following measures are implemented:</i>	<i>Despite the measures implemented in order to reduce the occurrence probability the following residual risks remain and have to be addressed in the course of every verification.</i>	<i>The additional verification testing performed is described. Testing may include:</i> <ul style="list-style-type: none"> <li>- Sample cross checking of manual transfers of data</li> <li>- Recalculation</li> <li>- Spreadsheet 'walk throughs' to check links and equations</li> <li>- Inspection of calibration and maintenance records for key equipment</li> <li>- Check sampling analysis results</li> </ul> <i>Discussions with process engineers who have detailed knowledge of process uncertainty/error bands.</i>	<i>Having investigated the residual risks, the conclusions should be noted here. Errors and uncertainties are highlighted.</i>

The completed table A-1 is enclosed in Annex 1 (table A-1) to this report.

### Project specific periodic verification checklist

In order to ensure transparency and consideration of all relevant assessment criteria, a project specific verification protocol has been developed. The protocol shows, in a transparent manner, criteria and requirements, means and results of the verification. The verification protocol serves the following purposes:

- It organises, details and clarifies the requirements a CDM project is expected to meet for verification
- It ensures a transparent verification process where the verifying DOE documents how a particular requirement has been proved and the result of the verification.

The basic structure of this project specific verification protocol for the periodic verification is described in Table A-2.

**Table 3-3:** Table A-2; Structure of the project specific periodic verification checklist

<b>Table A-2: Periodic verification checklist</b>				
<b>Checklist Item</b>	<b>Reference</b>	<b>Verification Team Comments</b>	<b>Draft Conclusion</b>	<b>Final Conclusion</b>
<i>The checklist items in Table A-2 are linked to the various requirements the monitoring of the project should meet. The checklist is organised in various sections as per the requirements of the topic and the individual project activity. It further includes guidance for the verification team.</i>	<i>Gives reference to the information source on which the assessment is based on.</i>	<i>The section is used to elaborate and discuss the checklist item in detail. It includes the assessment of the verification team and how the assessment was carried out. The reporting requirements of the VVS shall be covered in this section.</i>	<i>Assessment based on evidence provided if the criterion is fulfilled (OK), or a CAR, CL or FAR (see below) is raised. The assessment refers to the draft verification stage.</i>	<i>In case of a corrective action or a clarification the final assessment at the final verification stage is given.</i>

The periodic verification checklist (verification protocol) is the backbone of the complete verification starting from the desk review until final assessment. Detailed assessments and findings are discussed within this checklist and not necessarily repeated in the main text of this report.

The completed verification protocol is enclosed in Annex 1 (table A-2) to this report.

## **3.6. Desk review**

During the desk review all documents initially provided by the client and publicly available documents relevant for the verification were reviewed. The main documents are listed below:



- the last revision of the PDD including the monitoring plan<sup>/PDD/</sup>,
- the last revision of the validation report<sup>/VAL/</sup>,
- the monitoring report, including the claimed emission removals for the project<sup>/MR/</sup>,
- the emission removal calculation spreadsheet<sup>/XLS/</sup>.
- Other supporting documents, such as publicly available information on the UNFCCC website and background information were also reviewed.

### 3.7. On-site assessment

As most essential part of the verification exercise it is indispensable to carry out an inspection on site in order to verify that the project is implemented in accordance with the applicable criteria. Furthermore the on-site assessment is necessary to check the monitoring data with respect to accuracy to ensure the calculation of emission removals. The main tasks covered during the site visit include, but are not limited to:

- The on-site assessment included an investigation of whether all relevant plantations/forests have been implemented.
- The operating staff was interviewed and observed in order to check the risks of inappropriate operation and data collection procedures.
- Information processes for generating, aggregating and reporting the selected monitored parameters were reviewed.
- The duly calibration of all metering equipment was checked (if applicable).
- The monitoring processes, routines and documentations were audited to check their proper application.
- The monitoring data were checked completely.
- The data aggregation trails were checked via spot sample down to the level of the meter recordings.

Before and during the on-site visit the verification team performed interviews with the project participants to confirm selected information and to resolve issues identified in the document review.

Representatives of International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF) and Ministry of Environment, Forest and Water Administration (project participant) including the operational staff of the project activity were interviewed. The main topics of the interviews are summarised in Table 3-4.

**Table 3-4:** Interviewed persons and interview topics

Interviewed Persons / Entities	Interview topics
1. Projects & Operations Personnel 2. IBRD (BioCarbon Fund)	- General aspects of the project - Forest implementation - Project boundary



Interviewed Persons / Entities	Interview topics
	<ul style="list-style-type: none"> <li>- Technical equipment and operation</li> <li>- Changes since validation</li> <li>- Monitoring and measurement equipment</li> <li>- Re-measurement of sample plots</li> <li>- Remaining issues from validation</li> <li>- Calibration procedures (if applicable)</li> <li>- Quality management system</li> <li>- Involved personnel and responsibilities</li> <li>- Training and practice of the operational personnel</li> <li>- Implementation of the monitoring plan</li> <li>- Monitoring data management</li> <li>- Data uncertainty and residual risks</li> <li>- GHG emission removal calculation</li> <li>- Procedural aspects of the verification</li> <li>- Maintenance</li> <li>- Environmental aspects</li> </ul>

The list of interviewees is included in chapter 7.4.

The on site assessment was conducted for plantation sites and natural regeneration sites. In total 10 out of 95 sample plots have been randomly selected for re-measurement. Further several parcels have been observed for their existence and for project boundary checks using GPS.

The sample size was generally calculated in line with G.5.3.12. of IAF Guidance on the Application of ISO/IEC Guide 66 where the square root shall be applied. The square root of 95 sample plots is 9,7 (10 selected).

During the field observations implementation, maintenance and conditions of the forest have been checked. During re-measurement location, DBH/height, species determination and correctness of measurements ads per best forest practice have been controlled by observing the field teams.

### 3.8. Draft verification reporting

On the basis of the desk review, the on-site visit, follow-up interviews and further background investigation the verification protocol is completed. This protocol together with a general project and procedural description of the verification and a detailed list of the verification findings form the draft verification report. This report is sent to the client for resolution of raised CARs, CLs and FARs.

### **3.9. Resolution of CARs, CLs and FARs**

Nonconformities raised during the verification can either be seen as a non-fulfilment of criteria ensuring the proper implementation of a project or where a risk to deliver high quality emission removals is identified.

Corrective Action Requests (CARs) are issued, if:

- Non-conformities with the monitoring plan or methodology are found in monitoring and reporting, or if the evidence provided to prove conformity is insufficient;
- Mistakes have been made in applying assumptions, data or calculations of emission removals which will impair the estimate of emission removals;
- Issues identified in a FAR during validation or previous verifications requiring actions by the project participants to be verified during verification have not been resolved.

The verification team uses the term Clarification Request (CL), which is issued if:

- information is insufficient or not clear enough to determine whether the applicable CDM requirements have been met.

Forward Action Requests (FAR) indicate essential risks for further periodic verifications. Forward Action Requests are issued, if:

- the monitoring and reporting require attention and / or adjustment for the next verification period.

For a detailed list of all CARs, CLs and FARs raised in the course of the verification pl. refer to chapter 4.

### **3.10. Final reporting**

Upon successful closure of all raised CARs and CLs the final verification report including a positive verification opinion can be issued. In case not all essential issues could finally be resolved, a final report including a negative verification opinion is issued.

The final report summarizes the final assessments w.r.t. all applicable criteria.

### **3.11. Technical review**

Before submission of the final verification report a technical review of the whole verification procedure is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the verification team and thus not involved in the decision making process up to the technical review.



As a result of the technical review process the verification opinion and the topic specific assessments as prepared by the verification team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

### **3.12. Final approval**

After successful technical review an overall (esp. procedural) assessment of the complete verification will be carried out by a senior assessor located in the accredited premises of TÜV NORD.

After this step the request for issuance can be started.

## 4. VERIFICATION FINDINGS

In the following paragraphs the findings from the desk review of the monitoring report<sup>/MR/</sup>, the calculation spreadsheet<sup>/XLS/</sup>, PDD<sup>/PDD/</sup>, the Validation Report<sup>/VAL/</sup> and other supporting documents, as well as from the on-site assessment and the interviews are summarised.

The summary of CAR, CL and FAR issued are shown in Table 4-1:

**Table 4-1:** Summary of CAR, CL and FAR

Verification topic	No. of CAR	No. of CL	No. of FAR
A – Description of project activity	2	0	0
B – Implementation of project activity	1	0	0
C – Description of monitoring system	1	0	0
D – Data and parameters	6	0	1
E - Calculation of Emission Removals	3	0	0
<b>SUM</b>	<b>13</b>	<b>0</b>	<b>1</b>

The following tables include all raised CARs, CLs and FARs and the assessments of the same by the verification team. For an in depth evaluation of all verification items it should be referred to the verification protocols (see Annex).

Monitoring Report version 1 2012-06-30	DOE Description of Finding
Monitoring Report version 2 2012-10-07	DOE Assessment #1 2012-11-02
Monitoring Report version 3 2012-11-22	DOE Assessment #2 2012-11-26
Monitoring Report version 4 2012-12-09	DOE Assessment #3 2012-12-11
Monitoring Report version 5 2013-02-25	DOE Assessment #4 2013-04-09

Finding	A1		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR

Finding	A1
<p><b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i></p>	<ol style="list-style-type: none"> <li>1. Front Page: The date for completion of the monitoring report and registration date are not given in the correct format</li> <li>2. Front Page and A.3.: The BioCarbon Fund is not listed as project participation UNFCCC website as representative from Italy.</li> <li>3. Front Page: short name of methodology is not spelled correctly.</li> <li>4. Front Page: Estimated GHG from PDD and actual are mixed up.</li> <li>5. A.1: The total GHG removals have not been mentioned in this section.</li> <li>6. A.4: No tool or guideline applicable to the project has been mentioned.</li> <li>7. A.5: The start date of the crediting period has not been included.</li> <li>8. A.2: a map showing the project location has not been included in the MR.</li> </ol> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<p><b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i></p>	<ol style="list-style-type: none"> <li>1. Done</li> <li>2. Unclear request</li> <li>3. Spelling is correct</li> <li>4. Done</li> <li>5. Done</li> <li>6. Mention of tools and guidelines are not required in section A.4. Applied tools were added in section A.5</li> <li>7. Done</li> <li>8. Done</li> </ol>

Finding	A1
<p><b>DOE Assessment #1</b></p> <p><i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i></p>	<ol style="list-style-type: none"> <li>1. Correction done. Date is in correct format.</li> <li>2. <b>The project participant for Italy on CDM website is given with “Government of Italy – Ministry for the Environment, Land and Sea”. The MR only mentions the IBRD.</b></li> <li>3. The spelling of the methodology has been corrected.</li> <li>4. <b>The correction done is not correct. In front page the numbers for actual and estimated is still in the wrong cell and for the values of <u>estimated</u> ER (from PDD) it is not clear how the value of 132,292.29 has been calculated. Further it is not in line with the value mentioned in section E.5 and E.6 with 159,063.44. Give transparent calculation.</b></li> <li>5. The total ERs have been mentioned correctly in this section A.1.</li> <li>6. Applicable tools and guidelines have been included correctly in this section.</li> <li>7. The start date of the CP has been correctly included with 20/12/2004. <b>But format is not ok!</b></li> <li>8. A map showing project boundary and location has been included in the section A.2.</li> </ol>

Finding	A1																																								
<b>Corrective Action #2</b>	<p>2. The earlier version of monitoring report used the information in section A.3 of the PDD. It is now revised to include <b>Ministry for the Environment, Land and Sea</b></p> <p>4. Estimated net anthropogenic GHG removals by sinks for the period 2005 to 2012 are made consistent with the values reported on Table 12, page 33 of the registered PDD. The actual net anthropogenic GHG removals by sinks calculated during the current monitoring period are also corrected. The estimated values in PDD and actual values calculated for the monitoring period are presented in the table below, which is consistent with the information presented in the sections E.5 and E.6 of the Monitoring Report.</p> <table><tr><th>No. of year</th><th>Year</th><th>Estimated net anthropogenic GHG removals by sinks for the monitoring period 2005 to 2012 in the registered PDD (tonnes of CO2e)</th><th>Actual net anthropogenic GHG removals by sinks in the current monitoring period - Nov 2005 to June 2012 (tonnes of CO2e)</th></tr><tr><td>1</td><td>2005</td><td>6,783.30</td><td>17,353.08</td></tr><tr><td>2</td><td>2006</td><td>13,971.62</td><td>17,182.52</td></tr><tr><td>3</td><td>2007</td><td>23,597.25</td><td>16,910.59</td></tr><tr><td>4</td><td>2008</td><td>27,382.68</td><td>17,000.08</td></tr><tr><td>5</td><td>2009</td><td>27,392.71</td><td>17,117.27</td></tr><tr><td>6</td><td>2010</td><td>26,936.46</td><td>17,119.52</td></tr><tr><td>7</td><td>2011</td><td>26,487.78</td><td>17,121.75</td></tr><tr><td>8</td><td>2012</td><td>26,046.54</td><td>8,952.66</td></tr><tr><td></td><td><b>Total</b></td><td><b>178,598.34</b></td><td><b>128,757.50</b></td></tr></table> <p>7. Start date of the CP is corrected for the format.</p>	No. of year	Year	Estimated net anthropogenic GHG removals by sinks for the monitoring period 2005 to 2012 in the registered PDD (tonnes of CO2e)	Actual net anthropogenic GHG removals by sinks in the current monitoring period - Nov 2005 to June 2012 (tonnes of CO2e)	1	2005	6,783.30	17,353.08	2	2006	13,971.62	17,182.52	3	2007	23,597.25	16,910.59	4	2008	27,382.68	17,000.08	5	2009	27,392.71	17,117.27	6	2010	26,936.46	17,119.52	7	2011	26,487.78	17,121.75	8	2012	26,046.54	8,952.66		<b>Total</b>	<b>178,598.34</b>	<b>128,757.50</b>
No. of year	Year	Estimated net anthropogenic GHG removals by sinks for the monitoring period 2005 to 2012 in the registered PDD (tonnes of CO2e)	Actual net anthropogenic GHG removals by sinks in the current monitoring period - Nov 2005 to June 2012 (tonnes of CO2e)																																						
1	2005	6,783.30	17,353.08																																						
2	2006	13,971.62	17,182.52																																						
3	2007	23,597.25	16,910.59																																						
4	2008	27,382.68	17,000.08																																						
5	2009	27,392.71	17,117.27																																						
6	2010	26,936.46	17,119.52																																						
7	2011	26,487.78	17,121.75																																						
8	2012	26,046.54	8,952.66																																						
	<b>Total</b>	<b>178,598.34</b>	<b>128,757.50</b>																																						
<b>DOE Assessment #2</b>	<p><b>2. Front page has not been updated.</b></p> <p>4. The sections have been corrected and now the estimated values from PDD and the actual values are consistent and correct.</p> <p>7. Format of date has been corrected.</p>																																								
<b>Corrective Action #3</b>	<p>2. Italian Ministry for the Environment, Land and Sea included on the front page</p>																																								

Finding	A1
<b>DOE Assessment #3</b>	2. The front page has been updated and the PP is named correctly. In general section A of the MR has been completed in accordance with the guidelines. <u>CAR is closed.</u>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	B1
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. B.1: It is not clear in this section how much of the project area has finally been planted and how much is based on natural regeneration.</p> <p>2. B.1: The “total” project area given in the table differs from the value given in 2<sup>nd</sup> page of the MR. 3,990.45ha.</p> <p>3. B.2.1/B.2.2: Request for temporary deviation has been included under Corrections which is not correct.</p> <p>4. B.2.4 Table 3 belongs to section B.2.6.</p> <p>5. B.2.4 table 3: It has not sufficiently described under “Applicability to the project” what are the exact changes made in this project activity.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. Done</p> <p>2. Done</p> <p>3. Done</p> <p>4. Done</p> <p>5. Done</p>



Finding	B1
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. It has been clarified in section B.1 that 3,337.95 ha are based on natural regeneration and 1,441.08 ha are based on plantations. The information is plausible as per observations during site visit. <b>Nevertheless the total sum is 4,779.03 ha while the project boundary is reduced to 4,779. Ha.</b></p> <p>2. The total project area implemented has been corrected in page 2 of the MR and is now in line with the information given in the table 2 of section B.1.</p> <p>3. The request for temporary deviation has been cited in the correct section.</p> <p>4. The former table 3 has been correctly included in section B.2.6. <b>But the new table 3 belongs also to section B.2.6 as it is AR specific change. Further table 4 does not fit the document size.</b></p> <p>5. It has been described in detail which are the changes applicable to the project activity and how they are covered under EB 66 Annex 24. Further assessment on the single criteria will follow in Annex 3 of the FVR.</p>
<b>Corrective Action #2</b>	<p>1. The area under natural regeneration is corrected as 3,337.92 ha; while the area under supplemental planting is 1,441.08 ha. The sum of these areas for the project is therefore 4,779.00 ha. The information in the section B.1 of the Monitoring Report is accordingly revised.</p> <p>4. New Table 3 moved to section B.2.6. The format of Table 4 is adjusted to fit in the document.</p>
<b>DOE Assessment #2</b>	<p>1. The area implemented as natural regeneration has been determined with 3,337.92 ha and area implemented as plantation is determined with 1,441.08 ha. Both summing up to 4,779 ha implemented area within this monitoring period. The area can be confirmed as correct by consultation of GIS shape files.</p> <p>4. The table 3 has been moved to the correct section under B.2.6. <b>Nevertheless now the header of Section C is missing.</b></p>
<b>Corrective Action #3</b>	4. Section C header is included
<b>DOE Assessment #3</b>	<p>4. The header has been corrected.</p> <p>In general section C of the MR has been completed in accordance with the guidelines.</p> <p><u>CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	C1
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<ol style="list-style-type: none"> <li>1. Section C is not updated to the actual circumstances of the project (especially first paragraph).</li> <li>2. Clarify if under QA/QC measures also the “species” of the tree has been determined as part of re-measurement (10%) (last sentence).</li> <li>3. The sampling design layout has not been described in detail in this section.</li> <li>4. A metering diagram is missing showing all important measurement points (sample design).</li> </ol> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ol style="list-style-type: none"> <li>1. Done</li> <li>2. Done</li> <li>3. Done</li> <li>4. Done</li> </ol>
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li>1. In section C the description of the monitoring system and responsibilities has been updated. The information is in accordance with observations and interviews during site visit.</li> <li>2. Tree species determination has been indicated as part of QA/QC check in sample plots. This is in accordance with the methodology.</li> <li>3. The sampling layout has been described in detail. Assessment following the checklist and section 5 of the FRV. Nevertheless the following needs clarification/correction: <b>Table 5: number of sample plots. The figures for Ecozone 1 and 3 are not in line with the excel sheet “Albania_Sample_Plot_Calculation_July 8 2012”.</b></li> <li>4. A metering diagram has been included in the MR showing all important measurement points (sample design and tree measurement points, Figure 3).</li> </ol>

Finding	C1																		
Corrective Action #2	<p>3. The table below shows the comparison of number of sample plots to meet 20% precision and 90% CI and the number of sample plots laid out in different ecozones and presented in the Table 5. The information in “Albania_Sample_Plot_Calculation_July 8 2012” is updated to make the info in Table 5 and the spreadsheet consistent.</p> <table><tr><th>Project Strata</th><th>No. of sample plots required to meet 20% precision presented in the sample size calculation spreadsheet</th><th>Actual number of sample plots laid out in the project</th></tr><tr><td>Ecozone 1</td><td>10</td><td>19</td></tr><tr><td>Ecozone 2</td><td>23</td><td>28</td></tr><tr><td>Ecozone 3</td><td>36</td><td>43</td></tr><tr><td>Ecozone 4</td><td>2</td><td>5</td></tr><tr><td>Total</td><td>71</td><td>95</td></tr></table>	Project Strata	No. of sample plots required to meet 20% precision presented in the sample size calculation spreadsheet	Actual number of sample plots laid out in the project	Ecozone 1	10	19	Ecozone 2	23	28	Ecozone 3	36	43	Ecozone 4	2	5	Total	71	95
Project Strata	No. of sample plots required to meet 20% precision presented in the sample size calculation spreadsheet	Actual number of sample plots laid out in the project																	
Ecozone 1	10	19																	
Ecozone 2	23	28																	
Ecozone 3	36	43																	
Ecozone 4	2	5																	
Total	71	95																	
DOE Assessment #2	<p>3. The excel sheet has been corrected and the number of sample plots for Ecozone 1 and Ecozone 3 are now consistent over documentation. The total amount of sample plots has not been changed and is correct by applying a precision of 20% and a confidence interval of 90%. This has been approved by the board on 2012-11-12.</p> <p><u>The CAR is closed.</u></p>																		
Conclusion <i>Tick the appropriate checkbox</i>	<div><input type="checkbox"/> To be checked during the next periodic verification</div> <div><input type="checkbox"/> Additional action should be taken (finding remains open)</div> <div><input checked="" type="checkbox"/> The finding is closed</div>																		

Finding	D1
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. Section D.1. and D.2 are not in compliance with the Guidelines for completing the monitoring report from EB 66 Annex 20</p> <p>2. Tables as given by the template have not been used.</p> <p>3. They have not been filled out as per the guidance.</p> <p>4. All parameters have been copied twice. Section D.1 and D.2 exist twice.</p> <p>Associated checklist question(s)/ reference:</p> <p>Guidelines for completing the monitoring report from EB 66 Annex 20</p>

Finding	D1
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	1. Done 2. Done 3. Corrected 4. Corrected
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	1. Full compliance with EB 66 Annex 20 upon closure of this CAR. 2. Tables as given by the template have been used. 3. Tables have been correctly filled out for D.1 apart from the following where parameter are included that are not part of ex-post calculations: <b>Parameters that are not used in the calculations of this monitoring period have been included in this section. Values applied to ex-ante estimation are not part of this section.</b> 3. <b>Tables have been correctly filled out for D.2, nevertheless parameters that are not relevant for this project activity are not part of this section.</b> 4. Parameter doubling has been revised. Each parameter is only listed once.
<b>Corrective Action #2</b>	3. Parameters not used in calculations have been deleted.
<b>DOE Assessment #2</b>	3. Parameters not used during the verifications have been correctly removed. <b>Nevertheless the empty table boxes remained in the document and must be deleted as well.</b> 3. <b>For parameter “AP” and “lat/long” the point “monitoring equipment” is wrong (vice versa).</b>
<b>Corrective Action #3</b>	3. The empty boxes have been deleted. The details of monitoring equipment for the parameters “AP” and “lat/long” are corrected.
<b>DOE Assessment #3</b>	3. The format has been cleaned and the monitoring equipment for the parameters AP and lat/long have been corrected. The information given now in the MR can be confirmed as correct as verified during site visit. In general section D of the MR has been completed in accordance with the guidelines. <u>CAR is closed.</u>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	D2		
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. D.3: Table ex-post stratification has no reference number.</p> <p>2. D.3. It is not clear if the criteria for ex-ante stratification (Ecozones 1-4) are stratification criteria for sampling and explanation is missing why they have been finally included in the calculation.</p> <p>3. D.3: sample frame: It has not been explained <u>why</u> 20% error and 90% confidence interval is applicable to this project.</p> <p>4. D.3: precision numbers given in parameter description below sampling equations (e.g.10%) must be probably corrected. Further not all parameters from the equation have been described (i.e. za/2)</p> <p>5. D.3: Location of sample plots: It has not been sufficiently described which procedure for random systematic sampling has been applied.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>		
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. Done</p> <p>2. It is explained in section C that ecozones was the only stratification criteria and that the strata are defined in terms of ecozones. Therefore, ecozone is both stratification criteria and strata.</p> <p>3. Done.</p> <p>4. Done</p> <p>5. Location of sample plots is explained in detail in section C.</p>		

Finding	D2
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. The table has been properly referenced.</p> <p>2. It has been clarified and properly described in the MR that ex-ante only one stratum was selected and ex-post the four eco-zones have been selected for stratification to ensure sampling in homogenous sites to keep the error of the estimates low. The approach is correct and leads to conservative estimates of ER.</p> <p>3. A clarification has been included that a request for temporary deviation has been requested to the EB for the application of 20% precision and 90% CI. <b>At current time the approval of RfTemp deviation is pending.</b></p> <p>4. <b>Not done, values given below equations do not refer to the requested changes (20%/90%).</b></p> <p>5. A complete description of the sampling design has been described under section C of the MR. Assessment can be follow in section 5 of this MR and in the project checklist.</p>
<b>Corrective Action #2</b>	<p>3. The request for post-registration change (PRC ref No. PRC-2714-001) on temporary deviation to adopt 20% precision and 90% confidence interval was approved by the UNFCCC on 12 November 2012. The text on page 48 of the monitoring report in section D.3 is accordingly revised.</p> <p>4. Values below the equations 56 and 57 in the MR are revised to reflect the changes requested (20%/90%).</p>
<b>DOE Assessment #2</b>	<p>3. The request for post-registration change (PRC ref No. PRC-2714-001) on temporary deviation to adopt 20% precision and 90% confidence interval has been approved by the UNFCCC on 12 November 2012 in-line with paragraph 11 of the AR WG 28 (paragraph 37, EB55). The MR has been corrected and updated accordingly.</p> <p>4. <b>Table 3 (B.6.2) still refers to (10%/90%).</b></p>
<b>Corrective Action #3</b>	<p>4. Table 3 (B.2.6) has been revised reflecting the approval of PRC-2714-001 for 20% precision and 90% CI.</p>
<b>DOE Assessment #3</b>	<p>4. The information in table 3 has been corrected. The precision and CI has been adopted in accordance with the PRC approved in November 2012 by EB.</p> <p>In general section D of the MR has been completed in accordance with the guidelines.</p> <p><u>CAR is closed.</u></p>

Finding	D2
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	D3
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. D.3: No exact citation of the reference for the allometric equations has been given (table 6 only refers to numbers)</p> <p>2. D.3: It shall be clarified in the MR why allometric equations developed for DBH <math>\geq 5</math> cm are applicable to trees with a dbh <math>\geq 2</math> cm.</p> <p>3. No exact citation of the reference for the wood density has been given (table 7 only refers to numbers) and whether those data are used in the calculation.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. References included in the Monitoring Report</p> <p>2. The allometric equation, a power function rising from the origin, is mathematically a strictly monotonic increasing function whose shape between DBH 2 cm and DBH 5 cm is essentially fixed.</p> <p>3. Done, reference included in the MR. the wood densities are used in plausibility checks of the species-specific equations and in calculating the biomass of pre-existing trees according to the generic equation for adult trees.</p>
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. All allometric equations have been properly referenced and evidences have been provided to the DOE during site visit.</p> <p>2. <b>The clarification has not been included in the MR as requested. Further the same shall be substantiated with evidenced.</b></p> <p>3. <b>A reference has been included in the MR. A copy of the respective pages of the reference has not be provided to the DOE.</b></p>



Finding	D3
<b>Corrective Action #2</b>	<p>2. Clarification on the power function of the allometric equation used for trees DBH greater than 5 cm for trees between 2 to 5 cm is included as the note below the Table 10 of the Monitoring Report. The evidence demonstrating the applicability of allometric equations based on power function for trees with DBH greater than 5 cm to the trees between 2 to 5 cm of the sample plot data is attached as Appendix I to this document.</p> <p>3. A copy of the relevant pages of the reference on wood densities by Hannon Sachsse is enclosed as Appendix II to this document.</p>
<b>DOE Assessment #2</b>	<p>2. A clarification has been included in the MR: <i>"Allometric equations developed for DBH <math>\geq 5</math>cm are applicable to trees with DBH <math>\geq 2</math>cm because the allometric equation, a power function rising from the origin, is strictly monotonic increasing function whose shape between DBH 2 cm and DBH 5 cm is essentially fixed. Therefore, allometric equation for diameters above 5 cm DBH can be extrapolated to the range 2-5cm and the origin without introducing error."</i></p> <p>The extrapolation approach as such can be accepted. While extrapolating data for trees with DBH between <math>\geq 2</math>cm and <math>&lt; 5</math>cm starting in the origin (DBH=0cm and height=0m), a monotonic trend of the function is expected. <b>Nevertheless, the shape of the curve in the range 0-5 DBH is still an estimate and under or overestimation is possible to a certain extend. Thus the conclusion that no error is expected is not correct and must be revised. A justification why the error is deemed insignificant has not been provided.</b></p> <p>3. The evidence about the wood density has been submitted to the DOE. The evidence has been checked and is a reliable document standard in forestry. The applied values are correct.</p>
<b>Corrective Action #3</b>	<p>2. The following justification text is included in the note below the Table 10 in MR.</p> <p>The estimate of the power function shape parameter approximates the biomass growth of stems between 0 and 5 cm. Considering the growth pattern of stems in this diameter range, the difference or error in the actual biomass growth and the parameter estimate of the power function estimate for the stem diameters between 2 cm and 5 cm is insignificant.</p>



Finding	D3
<b>DOE Assessment #3</b>	<p>2. An explanation has been included in the MR. The extrapolation of the values between 0 and 5 cm dbh by using a monotonic function of the growth curve is common practice in forestry to estimate timber volume (mostly practiced with volume tables, where not for each dbh an estimate exists). The error can be defined as marginal and insignificant.</p> <p>Finally it can be concluded that the allometric equations applied have been carefully chosen and best available in the region. For complete assessment see section 5 of the report.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	D4
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. D.3: QA/QC: b) The criteria applied for re-measurement has not been listed as indicated in last sentence.</p> <p>2. Table 6. The table with allometric equations is not updated o the latest report shown during verification. Further in the report and excel sheet a wrong value for “b” has been applied to allometric equation for robinia and the amount of observations is not as per the source.</p> <p>3. No reference for the allometric base function has been included in the MR.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. Done</p> <p>2. Correct value presented for parameter “b ” in Robinia. Amount of observations corrected.</p> <p>3. Allometric base function included in section D.3</p>

Finding	D4
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. Respective criteria for QA/QC have been properly described. The same QA/QC procedure could be demonstrated with evidence during site visit.</p> <p>2. <b>Data for Robinia (<math>R^2</math> and N) are still not as per the source “Blujdea, V.N.B., R. Pilli, I. Dutca, L. Ciuvat, and I.V. Abrudan, Allometric biomass equations for young broadleaved trees in plantations in Romania.” (<math>R^2=0.9324</math> and <math>N=27</math>). Further it shall be clarified why <math>N=27</math> is deemed adequate as <math>N=30</math> is required.</b></p> <p>3. The base function of allometric equation has been correctly included in the MR. In the ER calculation only the function (equation 1) over DBH has been applied. The function (equation 2) over height and DBH is used to compare the integrity of the allometric equations with real measurements. A respective study has been prepared to show the same “Demonstrating appropriateness of allometric equations for biomass assessment in the project”<sup>/ALL/</sup>. The DOE can conclude that the approach to demonstrate the appropriateness of allometric equations is profound and correct.</p>
<b>Corrective Action #2</b>	<p>2. Another equation for <i>Robinia pseudoacacia</i> = <math>((\exp 4.7961 + 2.0594 \cdot \ln DBH)) \cdot (1.0806/1000)</math> with <math>N=36</math> and <math>R^2 = 0.9272</math> listed on page 177 of Blujdea, V.N.B. et al paper is adopted. The parameters of the Robinia equation have been accordingly revised in the Table 10. The N (36) and <math>R^2</math> values of the new allometric equation conform to requirements of the A/R Methodological Tool - <i>Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities, version 1.1.0</i> (Annex 28, EB65).</p>
<b>DOE Assessment #2</b>	<p>2. The applied allometric equation for Robinia has been taken from a published paper by Blujdea, V.N.B. et al. It provides two allometric equations for Robinia (eastern and western Europe). Due to the fact that for the eastern equation the sample size N was below 30, the equation for western Robinia has been applied (with <math>N=36</math>) to comply with the tool Annex 28, EB65. As this is the only equation applicable for Europe and with <math>N&gt;30</math>, it can be applied in the calculations. Further it is to note that the difference between both equations is marginal.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	D5		
Classification	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. During site visit one sample plot location was not correct due to a typing error of the coordinate into the GPS. Measurements at the correct location need to be provided.</p> <p>2. During site visit in one sample plot (22) the verification team only found 1 tree with <math>\geq 2</math> cm. In the field data 5 trees have been measured as <math>&gt;2</math> cm because the plot was in a heavy terrain with 80% slope and the measurement at 1.30m was quite difficult. The data in the excel sheet need to be corrected accordingly.</p> <p>3. Sample plot no 46 was found in the middle of the road and no trees are founded here. In the excel sheet measurements from a plot beside the road have been included. Even those values have not been considered in the calculation the trees do not belong to plot 46 and must be removed.</p> <p>4. In the excel sheet on plot 24, 22, 25, 31, 61 trees with less than 2 cm have been identified.</p> <p>5. During transfer of data from the original field measurement into the excel sheet some errors have been detected. E.g. plot 71,74 and 69 (last tree).The PP needs to assure that the data transfer has been crosschecked and is correct.</p> <p>Associated checklist question(s)/ reference:</p>		
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. New measurements from the correct location have been provided.</p> <p>2. Data corrected accordingly</p> <p>3. Plot 46 was accounted as zero. See worksheet "Tree Biomass" cells B36 and C36 in calculation spreadsheet of the project.</p> <p>4. Trees <math>&lt;2</math> cm are no longer considered; see worksheet "Tree Field Data" formulae applied in all cells of column G in project calculation spreadsheet.</p> <p>5. Calculation spreadsheet was updated using correct data.</p>		
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. During the site visit the PP provided new measurements at the correct sample plot location. The data have been crosschecked and found correct. <b>The measurements values need to be corrected in the database. No new datasheet provided.</b></p> <p><b>2. No new datasheet provided.</b></p> <p><b>3. No new datasheet provided.</b></p> <p><b>4. No new datasheet provided.</b></p> <p><b>5. No new datasheet provided.</b></p>		

Finding	D5
<b>Corrective Action #2</b>	1-5. New datasheet is provided.
<b>DOE Assessment #2</b>	<ol style="list-style-type: none"> <li>1. The new datasheet has been provided. <b>A transcription error is found for plot ID 25 (new measurement data), where tree no. 12 is given with 5.5 cm instead of 2.3 cm. Correction is necessary.</b></li> <li>2. The data for plot 22 have been corrected in the datasheet. Only one tree with 2 cm remained in the plot. The error in this plot can be seen as exceptional due to the heavy terrain and harsh conditions for precise measurement. No similar plots have been identified during site visit.</li> <li>3. <b>Even though the plot is set zero in the biomass calculation, tree field data remain in the excel sheet. The figures for plot no. 46 are just not correct as no trees are growing there. This shall be correctly reflected within the whole excel sheet.</b></li> <li>4. Plot no. 24, 22, 25, 31 and 61 have been cleared of all trees &lt; 2cm. No plot remains in data sheet with trees &lt; 2cm.</li> <li>5. The plots 71, 74, 69 identified during site visit have been corrected in the datasheet. <b>It has not been explained what has been done to ensure that all plots contain the correct data (QA/QC).</b></li> </ol>
<b>Corrective Action #3</b>	<ol style="list-style-type: none"> <li>1. Transcription error in tree No. 12 was corrected; however, the actual value is 4cm. not 5.5. Similarly, an error was detected in tree No. 11 which value is 2.3 instead of 4. DBH values for both trees are now correct.</li> <li>3. Values for plot 46 are now zero in all worksheets.</li> <li>5. As described in the Monitoring Report, to verify that the measurements were correctly performed, a third team re-measured at least one randomly selected sample plot per every 10 plots. Data collected during re-measurements were compared with original measurements to check for errors. No other errors were found.</li> </ol>

Finding	D5
<b>DOE Assessment #3</b>	<p>1. The transcription errors in the excel sheet have been corrected. Now the data are in compliance with the original field data.</p> <p>3. The plot 46 shows now in all data sheets 0 trees. This is in accordance with observation during site visit.</p> <p>5. As confirmed during site visit a third QA/QC team has re-measured every 10<sup>th</sup> plot. Furthermore a double check of data entry has been performed by the project manager <sup>/IM03/</sup>.</p> <p>The whole excel sheet does correctly reflect data recorded during field measurements. Respective QA/QC measures have been undertaken to ensure correct data transfer. This has been verified by the verification team through comparison of field data/re-measurements during site visit/check of QA/QC data and interviews with the project manager and responsible for QA/QC.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	D6
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>A full report for leakage monitoring <sup>/LEAK/</sup> due to animal displacement has been developed by the PP. Following numbers need clarification:</p> <p>1. page 10 and 12: representation of 40% of all users grazing their animals on project sites. How has this number been calculated?</p> <p>2. page 12: How has the number of 282 SEU been assumed/calculated?</p> <p>3. page 13: How has the number for <math>\Delta C_{Lcurrent} = 29,875 \text{ td.m./y}</math> been calculated?</p> <p>No clear approach is included in the leakage report.</p> <p>4. The MR is not updated with the latest figures from the leakage assessment report.</p> <p>Associated checklist question(s)/ reference:</p>



Finding	D6
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ol style="list-style-type: none"> <li>164 interviewed users represent 40 % of users using (or previously grazing) the area. It is based on the general assumption that on average, 5 selected users per site represent in total 40% of the user of the site.</li> <li>The number of animals is not calculated as proportion of total, it is calculated as animals belonging to those interviewees grazing in the area (who are 6% of the total). So it is only their animals we have counted on and normally it does not correspond to the total.</li> <li><math>\Delta CL_{current} = Na_{current} * DBI * ASEU * 30 * 1/1000</math> (Equation 33 of AR AM0003 Version 4), where <math>DBI = 1.4</math>; <math>ASEU = 6.7</math>) = <math>106166 * 1.4 * 6.7 * 30 * 1/1000 = 29'875</math></li> <li>Done</li> </ol>

Finding	D6
<p><b>DOE Assessment #1</b>  <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i></p>	<p><b>0. Leakage description shall be shifted to Section E.3. Information doubling should be avoided.</b></p> <ol style="list-style-type: none"> <li><b>1. The representation of 40% has been made clear in the MR. It represents normally every fifth owner in the project area (sometimes more). With the interviewed owners 40% of the site owners are represented.</b></li> <li><b>2. It is not clear what the <u>total SEU</u> of the sample is. This calculation step has not been included in the MR. Therefore it has not been explained what the SEU conversion factor for <u>equine</u> and <u>other</u> animals is (see table 7). Please include in MR <u>all</u> conversion factors for SEU.</b></li> <li><b>3. The calculation of <math>\Delta C_{Lcurrent} = 35,162 \text{ t.d.m./y}</math> has been described.</b></li> <li><b>4. General: Assessment of grazing leakage has been included in the MR, but:</b> <ol style="list-style-type: none"> <li><b>a. All abbreviations shall be explained. All calculation steps shall be transparent and self-explanatory. Either a clear description is done in the MR or an excel sheet is provided showing calculation from input sample data till final conclusion.</b></li> <li><b>b. date format (page 29) is not as per standard requirement dd/mm/yyyy</b></li> <li><b>c. Value given in formula <math>dNAEGL,t</math> is not correct (<math>NaEGL,t = 106,106</math>). The calculation is not as described in the formula (dividing by SFR). Keep steps and formulas of methodology.</b></li> <li><b>d. include reference to PDD for all value applied (ASEU and DBI).</b></li> <li><b>e: Use units wherever necessary (e.g. <math>\Delta CL_{current} = 106,166 * 1.4 * 6.7 * 30 * 1 / 1000 = 28,875.112</math>) No units given. Further there is a typo in the result.</b></li> <li><b>f. No calculation approach for <math>\Delta CL_{Pat} = 6,356 \text{ t.d.m. yr-1}</math> provided.</b></li> <li><b>g. data for leakage calculation in the Smart tool do not fit to the project situation.</b></li> </ol> </li> </ol>



Finding	D6
<b>Corrective Action #2</b>	<p>0. Leakage assessment description shifted to section E.3</p> <p>2. The total SEU of the sample are 3935. The conversion factor for equines is same as that of cattle (1 equine = 5SEU). Other animals include pigs, which do not graze on commune lands, therefore are excluded from the calculations. Conversion factors are included in the MR.</p> <p>An error in the conversion of equine values has been noticed and it is corrected. Therefore, values in the leakage calculation have changed slightly. In the MR, the values are corrected using track change.</p> <p>4.a Revisions are made to clarify the abbreviations and step wise explanation to the calculations is presented in a transparent manner to conform to the methodology.</p> <p>4.b The date format has been revised to dd/mm/yyyy</p> <p>4.c The value of dNAEGL<sub>t</sub> is corrected as 124,955 SEU. The calculation is described with the formula (dividing by SFR) and all of the steps and formulas of methodology are followed in leakage assessment calculations.</p> <p>4.d. References to value applied (ASEU and DBI) from the PDD are included.</p> <p>4.e. The units as relevant (e.g. <math>\Delta CL_{current} = 124,955 \times 1.4 \times 6.7 \times 30 \times 1 / 1000 = 35,162</math>) t.d.m. yr<sup>-1</sup> are presented. The typo in the result corrected.</p> <p>4.f. Details of the calculation of <math>\Delta CL_{PA,t} = 7,323</math> t.d.m. yr<sup>-1</sup> are presented.</p> <p>4.g Data and information on leakage worksheet of the Smart tool that is not relevant to the project context is deleted.</p>



Finding	D6
<b>DOE Assessment #2</b>	<p>0. Leakage description has been shifted to correct section in MR.</p> <p>2. The SEU conversion factors have been included in the MR. Further due to a mistake in conversion factor the numbers of SEU have been changed. Total SEU of the sample has been transparently and correctly determined.</p> <p>4. a) Stepwise and transparent calculation has been included in the MR.</p> <p>4. b) The date format has been corrected.</p> <p>4. c) The value of <math>dNa_{EGL,t}</math> has been corrected and calculations follows the methodology. <b>Nevertheless it is not yet transparent how the values for <math>Na_{AR,t}=317</math> and <math>sNa_{EGL,t}=39,236</math> are calculated/counted. Further there is a mistake on page 52 where it still says <math>sNa_{EGL,t}=33,336</math>.</b></p> <p>4. d) References to the PDD have been included.</p> <p>4. e) Units have been correctly included.</p> <p>4. f) <math>\Delta CL_{PA,t}</math> details of calculation have been correctly included.</p> <p>4. g) Leakage calculation not relevant to the project has been removed from the excel sheet.</p>
<b>Corrective Action #3</b>	<p>4(c) Detailed explanation is presented on the calculation of the values of <math>Na_{AR,t}=317</math> is presented under assessment of leakage in the paragraphs associated with Table 13; and for <math>sNa_{EGL,t}=39,236</math> in the paragraphs associated with Table 14 in the Section E.3 calculation of leakage in the MR.</p> <p>The typo error on the value of <math>sNa_{EGL,t}</math> on the page 59 has been corrected.</p>
<b>DOE Assessment #3</b>	<p>4(c): all input values have been detailed clarified and are in compliance with the document "Assessment of Grazing Leakage" /LEAK/ from June 2012. The leakage calculation can be assessed as complete and correct and in compliance with the methodology and registered PDD. For a detailed assessment on leakage please follow up in section 5.</p> <p><u>CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

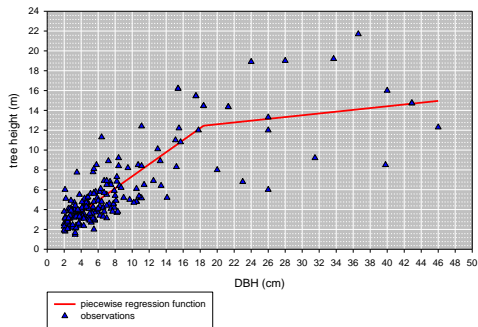
Finding	E1		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR

Finding	E1
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. Section E (all): Have not been filled as per the Guidelines for completing the monitoring report where it says: "Provide sample calculation for all formulae used and calculations of baseline net GHG removals applying actual values."</p> <p>2. Formula 101-103 are missing in this section E.</p> <p>3. E.2: Project Emissions: Please clarify if project emissions due to natural fires (Bijt) have been monitored and how they have been accounted for. (note: natural fire not equal to burning of biomass for preparation)</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. Done</p> <p>2. Formula 101 and 102 added in section E1. Section 103 is not relevant for this project as it refers to calculation of ICERs</p> <p>3. Natural fires have been monitored. Only 0.3ha of project area has been affected by natural fires. This is considered insignificant. Fire Management Plan and monitoring information are attached to the verification response package.</p>
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. <b>All relevant formulas for calculation of biomass have been included in section D.3 Sampling Plan. This is not the correct place. All formulas related to net GHG removals by sinks belong to section E.2.</b></p> <p>2. Formula 101-102 have been correctly included in this section E.1.</p> <p>3. <b>No explanation has been included in the section E.2. regarding existence of natural fires and why they are considered insignificant (<math>\geq 2\%</math> of the actual net GHG removals by sinks). The same has not been clarified in parameter table in D.2. Bijt. There the monitoring value of 0 is given.</b></p>
<b>Corrective Action #2</b>	<p>1. All formulas for calculation of net GHG removals by sinks are moved to the section E.2.</p> <p>3. Explanation on the rare occurrence of fires and their insignificance in terms of the impact on area and biomass is presented based on the information from project monitoring. The project emissions associated with biomass burn from fire are below the threshold of insignificance specified by the AR Methodological Tool - Tool for testing significance of GHG emissions in A/R CDM project activities" (Version 01) (EB31, Annex 16) and are therefore considered insignificant, The parameters in the tables on area and</p>

Finding	E1
	biomass of the area (Bijt) affected by fire have been updated.
<b>DOE Assessment #2</b>	<p>1. Formulas have been correctly shifted to section E.2.</p> <p>3. Natural fires occurred only on 0.3ha of the total project area where no tree biomass was growing at that time (not implemented). Consequently <math>B_{ijt}=0</math>. <b>Nevertheless there remains mistakes in the parameter tables for <math>B_{ijt}</math> and <math>A_{B,ikt}</math>. Slash and burn and natural fires are two different types of fires. They have been mixed. <math>A_{B,ikt}</math> was confirmed on-site with 0 ha as no slash and burn was practiced in this project. <math>B_{ijt}</math> was confirmed with 0.3 ha. Revision is requested.</b></p>
<b>Corrective Action #3</b>	<p>3. Mistakes in the parameter tables were corrected. Calculation of GHG emissions from the 0.3 ha of natural fires was added in the monitoring report. Since the result is below 1% of the total net anthropogenic GHG removals by sinks this source of emission is deemed insignificant (As per the applied methodology (&lt;2%) and the Tool for <i>testing significance of GHG emissions in A/R CDM project activities</i> (Version 01) (EB31, Annex 16) (&lt;5%) (not applicable anymore).</p>
<b>DOE Assessment #3</b>	<p>3. The parameter table has been updated and reflects now correctly the area that burned due to natural fire. The same has been confirmed during site visit. Accordingly project emission calculations have been carried out in compliance with the methodology. The result shows that the projects emissions due to natural fires are insignificant (far less than 0.01%). As per the methodology only emissions &gt;2% need to be accounted for. The calculations are correct.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	E2
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR

Finding	E2
<p><b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i></p>	<p>1. Clarification is requested how pre-existing biomass must be accounted for and if the approach is in line with the methodology and PDD. It must be checked if post registration changes are necessary.</p> <p>2. Section E.5 is empty.</p> <p>3. Section 6: values are mixed up.</p> <p>4. A detailed explanation shall be given why the ex-post value is more or less equal to the ex-ante value given that the project area is reduced.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<p><b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i></p>	<p>1. Most trees in the sample have not exceeded a DBH of 14 -16 cm. Fast-growing pioneer species, such as alder and pines are the exception, but even they will rarely exceed an average annual diameter increment of 2.5 cm or a final DBH of about 18 cm in 7 years. Larger trees must therefore indicate preexisting trees that grew in small groups or as solitaires before the start of the project. Such trees were not marked at project start. The following method allows identifying these trees ex post.</p> <p>Typically, solitaire trees exhibit reduced height growth due to absence of competition. Statistically, a piecewise regression was fitted to the height/diameter distribution of species that included larger diameter trees, such as alders, pines, oaks, chestnut and walnut. A highly significant statistical model (Table 1) confirms an inflection point of the height/diameter function at 18.4 cm DBH (Table 1 and Figure 1). Therefore, trees with larger diameter represent pre-existing vegetation, and should rightfully form part of the baseline.</p> <p><b>Table 1: Piecewise regression model for species with large diameter trees</b></p>

Finding	E2																																
	<div>Equation: Piecewise; 2 segment linear t1 = min(t) t2 = max(t) region1(t) = (y1*(T1-t) + y2*(t-t1))/(T1-t1) region2(t) = (y2*(t2-t) + y3*(t-T1))/(t2-T1) f = if(t &lt;= T1; region1(t); region2(t)) <table><tr><th>R</th><th>Rsqr</th><th>Adj Rsqr</th><th>Standard Error of Estimate</th></tr><tr><td>0,848</td><td>0,718</td><td>0,714</td><td>2,080</td></tr><tr><th>Coefficient</th><th>Std. Error</th><th>t</th><th>P</th></tr><tr><td>y1</td><td>2,496</td><td>0,232</td><td>10,744</td><td>&lt;0,0001</td></tr><tr><td>y2</td><td>12,456</td><td>1,009</td><td>12,347</td><td>&lt;0,0001</td></tr><tr><td>y3</td><td>14,959</td><td>1,008</td><td>14,834</td><td>&lt;0,0001</td></tr><tr><td>T1</td><td><b>18,400</b></td><td>2,014</td><td>9,134</td><td>&lt;0,0001</td></tr></table></div> <div>Figure 1: Piecewise regression identifies the diameter threshold for preexisting trees in the project area</div> <div>piecwise regression of the height- diameter function for oak, alder, pines, chestnut, walnut</div> <div></div> <div>Since this pre-existing biomass was not reflected in the baseline, but it continues to exist in the project scenario and most likely the project allowed its growth and permanence, the project team will mark the trees and monitor them in subsequent reporting periods.</div> <div>2.Done</div> <div>3. and 4. Done</div>	R	Rsqr	Adj Rsqr	Standard Error of Estimate	0,848	0,718	0,714	2,080	Coefficient	Std. Error	t	P	y1	2,496	0,232	10,744	<0,0001	y2	12,456	1,009	12,347	<0,0001	y3	14,959	1,008	14,834	<0,0001	T1	<b>18,400</b>	2,014	9,134	<0,0001
R	Rsqr	Adj Rsqr	Standard Error of Estimate																														
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Finding	E2
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<ol style="list-style-type: none"> <li>1. The methodology requires the following <i>"Carbon stock changes in the living biomass (above-ground and below-ground) of pre-existing trees that are left standing are not included in the ex ante calculation of actual carbon stock changes. This is a conservative assumption because the trees will continue to grow. Ex post these trees will be measured in the monitoring plots; any change in the carbon stocks in these trees due to grow or mortality will be duly accounted."</i> Only baseline carbon stocks are accounted ex-ante (i.e. <math>C_{BSL}</math> 6,249.88 tCO<sub>2</sub>). During the monitoring in the sample plots it was recognized that more pre-existing biomass was in the project area than estimated ex-ante. The same as been assumed as per the above explanation that all trees over 18.4 cm DBH must be older than 7 years. This assumption can be seen as scientifically correct. <b>It shall further be clarified what is the approach to not account any pre-existing biomass in a conservative way. This shall be properly explained under section E.1 in the MR.</b></li> <li>2. The value for ex-ante estimation is not clear (how calculated?) and not in line with value in front page.</li> <li>3. The value for ex-ante estimation is not clear (how calculated?) and not in line with value in front page.</li> <li>4. The overall reduction of the project area has not been mentioned as reason for reduction of ER.</li> </ol>
<b>Corrective Action #2</b>	<ol style="list-style-type: none"> <li>1. The conservative approach to the accounting of baseline was followed by subtracting the <math>C_{BSL}</math> and not counting trees over 18.4 cm in the actual net GHG removals by sinks. This approach is conservative and is consistent with the methodology. This approach to accounting of baseline is explained in the section E.1 of the MR.</li> <li>2. Values of ex ante estimation are made consistent in section E.5 and front page.</li> <li>3. Value is made consistent</li> <li>4. The reduction of the project area has been included as a reason for reduction of ER in section E.6</li> </ol>

Finding	E2
<b>DOE Assessment #2</b>	<p>1. The approach how to not account for any pre-existing biomass has been explained in the MR E.1. The approach is the most conservative as also growth of pre-existing biomass (that was estimated in the PDD) will not be accounted for, even though it's there because of the project. This is accepted by the DOE.</p> <p>2. The values are consistent with the values estimated in the PDD</p> <p>3. The values are consistent with the values estimated in the PDD</p> <p>4. The reduction of the project areas has been included as reason for decrease in emission reductions. This is reasonable and correct.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	E3
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<p>1. Excel calculations: "tree filed data" rows I and J. The reference is not clear for =lna_unu(E6) an bse_unu(E6). Where can it be followed?</p> <p>2. Excel calculations: sheet "tree biomass" does not consider the 20 sample plots with "0" tCO2. This leads to a high overestimation.</p> <p>Associated checklist question(s)/ reference: Guidelines for completing the monitoring report from EB 66 Annex 20</p>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<p>1. See "Developer" and then "Visual Basic". lna_unu refers to scale parameter "a" of species and bse_unu refers to shape parameter "b" of species. The correct parameter is selected depending on the content of column E6, a short name of species.</p> <p>2. Zero values are considered. See Cells C83-101 and D83-101</p>
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. No new excel sheet provided.</p> <p>2. No new excel sheet provided.</p>
<b>Corrective Action #2</b>	1-2. New excel sheet is submitted



Finding	E3
<b>DOE Assessment #2</b>	<p>1. Via excel function “Visual Basic” the use of allometric equation parameters a and b per species have been correctly programmed. The use of allometric equations within the calculation is correct.</p> <p>2. The sample plots with no biomass have been included in the calculation. The final result of ER has been reduced. The overall calculation follows the steps of the methodology.</p> <p><b>It shall be clarified and made transparent how the factor 0.5315 in cell D19 (sheet “net GHG Removals by Sinks”) is calculated.</b></p>
<b>Corrective Action #3</b>	<p>2. The factor corresponds to the decimals of the monitoring period (7.5315) and was taken from cell M3 in the “Standard Values” worksheet.</p> <p>The factor 0.5315 in cell D19 was calculated taking into account 11 days of December 2004.</p>
<b>DOE Assessment #3</b>	<p>2. The origin of the factor has been clarified. It reflects the number of days in monitoring period/year of the year in 2004 (11 days) plus 2012 (182 days). For simplification these have been summarized for the year 2012. There is no sense to calculate tree growth for 11 days in 2004. Thus this approach is accepted by the verification team.</p> <p><u>The CAR is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<input type="checkbox"/> To be checked during the next periodic verification <input type="checkbox"/> Additional action should be taken (finding remains open) <input checked="" type="checkbox"/> The finding is closed

Finding	A2 (after TR)		
<b>Classification</b>	<input checked="" type="checkbox"/> CAR	<input type="checkbox"/> CL	<input type="checkbox"/> FAR



Finding	A2 (after TR)
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	<ol style="list-style-type: none"> <li>1. Database (GIS shape file) including geographical information of discrete areas of the project activity is missing.</li> <li>2. Section A.4: Not all tools to which the methodology refers to (Additionality tool, Eligibility tool) have been included.</li> <li>3. No details on changes in quality control/assurance procedures have been discussed in table 4 (o).</li> <li>4. Section C does not include information on <u>monitoring</u> of project boundary, forest establishment and management. Please add respective information and include QA/QC procedures in section D3.</li> <li>5. The following monitoring parameters are missing in section D2: Tree species, total number of sample plots, number of trees in the sample plots</li> <li>6. E.2: Project emissions: The tool for testing significance of GHG emissions in A/R CDM project activities is no longer valid (emissions &lt;5% are negligible).</li> <li>7. Provide PE and leakage calculation in an excel spreadsheet.</li> </ol>
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	<ol style="list-style-type: none"> <li>1. Database (GIS shape file) is provided.</li> <li>2. All tools are listed.</li> <li>3. Changes in quality control/assurance did not occur. Section 4(o) was corrected accordingly.</li> <li>4. Section C now presents information on monitoring of project boundary, forest establishment and management. Respective information was added in section D3.</li> <li>5. Tree species, total number of sample plots, number of trees in the sample plots added; MR and DVR are now consistent.</li> <li>6. Argumentation revised.</li> <li>7. Calculation of PE and leakage are provided in Excel format.</li> </ol>

Finding	A2 (after TR)
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>1. GIS shape files have been provided. They have been found correct. The project boundary is correctly delineated and the size of the project is in line with the information in the MR.</p> <p>2. All pending tools have been included in section A.4. The section is now complete.</p> <p>3. No procedural QA/QC changes have been implemented. Therefore this change does not need justification.</p> <p>4. Information on monitoring of project boundary, forest establishment and management has been included in the section C and their QA/QC measures have been listed in section D.3. All information has been checked during on-site visit and can be confirmed as correct.</p> <p>5. The missing parameters have been included in section D.2. Their description is overall correct.</p> <p>6. As the tool for testing significance of project emissions is no longer applicable, the PP included the methodology reference for emissions of &gt;2% instead of &gt;5% (as per tool). As the emissions are far below 1% of total ER the emissions from the project are negligible. The reference is correct.</p> <p>7. A leakage excel sheet has been provided. It is traceable and the calculations are correct and in line with the information given in the MR.</p> <p><u>CAR is closed</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Finding	D7 (FAR from validation)
<b>Classification</b>	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL <input type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	Monitoring of contracts with land owners on control over land and carbon rights necessary during monitoring period (prior to each certification).
<b>Corrective Action #1</b> <i>This section shall be filled by the PP. It shall address the corrective action taken in details.</i>	All contracts have been provided.



Finding	D7 (FAR from validation)
<b>DOE Assessment #1</b> <i>The assessment shall encompass all open issues in annex A-1. In case of non-closure, additional corrective action and DOE assessments (#2, #3, etc.) shall be added.</i>	<p>All contracts have been reviewed that cover the land use rights and the carbon rights. For each of the 24 communes that are involved in the project activity the <sup>/TITLE/</sup> has been reviewed during the site visit. The document (a governmental decision) lists all land parcels that have been transferred from government to the communes. All project parcels could be identified as transferred. Further an agreement exists <sup>/AGM-3/</sup> that deals with the control over land for the project lifetime and the carbon rights. The ministry and each of the 24 communes signed this agreement clarifying the use of the parcel and the distribution of the carbon rights. The verification team checked the documents <sup>/TITLE/</sup> and <sup>/AGM-3/</sup> and found all of them duly signed. It can be concluded that the land ownership, use and rights to carbon credits are fully transparent and clarified between the parties involved.</p> <p><u>The FAR from validation is closed.</u></p>
<b>Conclusion</b> <i>Tick the appropriate checkbox</i>	<p><input type="checkbox"/> To be checked during the next periodic verification</p> <p><input type="checkbox"/> Additional action should be taken (finding remains open)</p> <p><input checked="" type="checkbox"/> The finding is closed</p>

Minor:

## 5. SUMMARY OF VERIFICATION ASSESSMENTS

The following paragraphs include the summary of the final verification assessments after all CARs and CLs are closed out. For details of the assessments pl. refer to the discussion of the verification findings in chapter 4 and the verification protocol (Annex 1).

### 5.1. Involved Parties and Project Participants

The following parties to the Kyoto Protocol and project participants are involved in this project activity.

**Table 5-1:** Project Parties and project participants

Characteristic	Party	Project Participant
Non-Annex 1	Albania	Ministry of Environment, Forests and Water Administration
Annex 1	Italy	Government of Italy – Ministry for the Environment, Land and Sea
	Spain	Kingdom of Spain – Ministry of Agriculture, Food and Environment and Ministry of Economy and Competitiveness
	Canada *Party withdrawn from KP effective 15/12/2012	Government of Canada – Ministry of Foreign Affairs and International Trade
	Japan	Idemitsu Kosan Co., Ltd.; The Okinawa Electric Power Co., Inc.; Suntory Holdings Limited; Tokyo Electric Power Co., Inc.; Sumitomo Joint Electric Power Co., Ltd.; Japan Iron and Steel Federation (JISF); Japan Petroleum Exploration Co., Ltd. (JAPEX); Sumitomo Chemical
	France	Eco-Carbone S.A.S
	Luxembourg	Ministry of Sustainable Development and Infrastructure
Bilateral and Multilateral Funds	BioCarbon Fund (BioCF)	International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF)

## 5.2. Implementation of the project

During the verification a site visit was carried out. On the basis of this site visit and the reviewed project documentation it can be confirmed that w.r.t. the realized plantations and forests, the project equipments, as well as the monitoring and metering equipment, the project has been implemented and managed as described in the registered PDD. A temporary deviation for MP and MM has been approved by the board and A/R specific types of changes occurred as discussed in Annex 3 of this report.

## 5.3. Project history

During the validation the validating DOE might have raised issues that could not be closed or resolved during the validation stage. One FAR has been opened during the validation:

FAR opened during Validation: “Monitoring of contracts with land owners on control over land and carbon rights necessary during monitoring period (prior to each certification).”

All contracts have been reviewed that cover the land use rights and the carbon rights. For each of the 24 communes that are involved in the project activity the <sup>/TITLE/</sup> has been reviewed during the site visit. The document (a governmental decision) lists all land parcels that have been transferred from government to the communes. All project parcels could be identified as transferred. Further an agreement exists <sup>/AGM-3/</sup> that deals with the control over land for the project lifetime and the carbon rights. The ministry and each of the 24 communes signed this agreement clarifying the use of the parcel and the distribution of the carbon rights. The verification team checked the documents <sup>/TITLE/</sup> and <sup>/AGM-3/</sup> and found all of them duly signed. It can be concluded that the land ownership, use and rights to carbon credits are fully transparent and clarified between the parties involved. The FAR from validation is closed for this 1<sup>st</sup> verification.

## 5.4. Post registration changes

Post registration changes applicable for this monitoring period have been observed during the monitoring period in form of A/R specific types of changes. Such changes have been discussed in the following tables and Annex 3. Further a temporary deviation from the MM and MP was necessary with regard to the sample size of the project. This deviation was approved by the board on 2012/11/12.

## Requested Deviations / Changes #1

- Type of change(s):
- ☐ Temporary Deviation from Monitoring Plan
  - ☐ Temporary Deviation from Monitoring Methodology
  - ☐ Corrections that do not affect the project design
  - ☐ Permanent Change from Monitoring Plan
  - ☐ Permanent Change from Monitoring Methodology
  - ☒ Changes specific to afforestation or reforestation

### A. Description of post registration change

<b>Start Date:</b> Please provide the start date of the change	2004-12-20	<b>End Date:</b> Please provide the end date of the change, if applicable	-
<b>Description:</b> Please give a detailed description of the changes	<p>In line with “Guidelines on application of specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities” (Version 01.0) (EB 68, Annex 31), some improvements to early versions of the methodology are allowed and have been adopted in the project monitoring plan.</p> <p>1- Only data and parameters obtained from field measurement are monitored; intermediate values are not considered in monitoring.</p> <p>2- Change in sampling design: Per the post registration change, ref No. PRC-2714-001 approved by the UNFCCC on 12 November 2012, allowable margin of error of 20% of the mean and 90% confidence level was applied.</p> <p>3- Uncertainty analysis is not conducted as sampling approach implemented addresses these issues.</p> <p>4- Loss of carbon in living herbaceous vegetation has not been monitored.</p> <p>5- Emissions from burning of fossil fuel, both within and outside the project boundary were not monitored.</p>		

### B. Assessment of post registration change – specific to A/R

<b>Accuracy:</b> Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.	<p>All above changes are covered under the “Guidelines on application of specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities” (Version 01.0) (EB68, Annex 31).</p> <p>Therefore it can be concluded that revisions are accurate and correct.</p>
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### Requested Deviations / Changes #1

<b>Conservative-ness:</b> Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	All revisions are conservative considering and comparing with the latest applicable versions of A/R methodologies.		
<b>Appendix 1 PS:</b> Check if the changes fall under one of the scenarios of appendix 1 of the PS.	As per EB 68 Annex 31 these changes do not require prior approval.		
<b>C. Revised PDD</b>			
<b>Rev. of PDD:</b> Check whether the changes have been fully addressed in a revised PDD.	<input type="checkbox"/> The changes have correctly been reflected in the revised PDD. <input checked="" type="checkbox"/> A revision of the PDD is not required (in case of temp. Changes and A/R specific changes). <input type="checkbox"/> The revised PDD has been forwarded in (i) track-change and (ii) clean version.		
<b>D. Prior Approval</b>			
<b>Prior approval:</b> Assess whether the change requires prior approval of the board	<input type="checkbox"/> <i>The post registration change requires prior approval</i> <input checked="" type="checkbox"/> <i>The post registration change does not require prior approval</i>		

### Requested Deviations / Changes #2

Type of change(s): <input type="checkbox"/> Temporary Deviation from Monitoring Plan <input type="checkbox"/> Temporary Deviation from Monitoring Methodology <input type="checkbox"/> Corrections that do not affect the project design <input type="checkbox"/> Permanent Change from Monitoring Plan <input type="checkbox"/> Permanent Change from Monitoring Methodology <input checked="" type="checkbox"/> Changes specific to afforestation or reforestation			
<b>A. Description of post registration change</b>			
<b>Start Date:</b> Please provide the start date of the change	2004-12-20	<b>End Date:</b> Please provide the end date of the change, if applicable	-
<b>Description:</b> Please give a detailed	Inline with Guidelines on accounting of specified types of changes in A/R CDM project activities from the description in		



## Requested Deviations / Changes #2

description of the changes	
	<p>registered project design documents" (Version 02.0) (Annex 24, EB 66), following changes have been made to the implementation of the project:</p> <p>a- There have been changes in the schedule of supplemental planting and silvicultural activities intended to assist natural regeneration.</p> <p>b- There have been changes to composition of species in supplemental planting. The changes are consistent with the baseline identification and additionality demonstration made at the validation stage</p> <p>c- Considering the project is an assisted natural regeneration project, the changes in stocking density are consistent with the baseline identification and additionality demonstration made at the validation stage. Planting density increased from 200-500 to 1,000 trees per hectare in 328.81 ha.</p> <p>k- <i>Ex post</i> stratification has been implemented taking into account the changes to <i>ex-ante</i> stratum adopted at the project design. Whereas in <i>ex-ante</i> stratification there was one stratum, there are four strata in the <i>ex-post</i> stratification (see Section C).</p> <p>m- As a follow up to <i>ex post</i> stratification, the calculation of number sample plots and their allocation has been revised. Although the number of sample plots in <i>ex-ante</i> and <i>ex-post</i> stratification is the same (95), with re-stratification the <i>ex-ante</i> number of sample plots shall be 292. The number of sample plots laid out, however, was 95, which exceeds the number required (66) to meet 20% precision and 90% confidence. The project submitted a request for deviation as part of the post registration change to apply 20 percent precision level and 90 per cent confidence interval and was approved.</p> <p>n- Changes resulting from exclusion of some areas that are not suitable for implementing the project have reduced the project area. These changes are consistent with the baseline identification and additionality demonstration made at the validation stage.</p>



## Requested Deviations / Changes #2

	<p>o- Changes in quality assurance/quality control procedures are consistent with procedures used by the national forest inventory.</p> <p>p- Changes in parameters, equations, or methods used in tree biomass estimation are consistent with A/R Tool – “Tool for demonstration of applicability of allometric equations in A/R CDM project activities” The changed parameters, equations or methods do not result in a decrease in precision of the estimate of tree biomass.</p>
<b>B. Assessment of post registration change – specific to A/R</b>	
<p><b>Accuracy:</b> Please give a detailed assessment whether the deviation is likely to lead to a reduction in the accuracy of the ER calculation.</p>	<p>All above listed changes could be confirmed during the site visit and can be accepted as per the following justification:</p> <p>a- as described in the MR some area were not yet implemented in the project boundary. Continuous planting is foreseen. No further justification necessary.</p> <p>b- In some areas species have been changed and adopted as per the actual site conditions. In some cases re-planting was conducted using other species that are expected to be more robust against site conditions. The changes are consistent with the baseline identification and additionality demonstration made at the validation stage. The additionality was proven by barriers that are not affected by this change and the baseline is not affected.</p> <p>c- Stocking density changed in some areas depending on actual site conditions. Further due to natural regeneration stocking density varies on these sites. The changes are consistent with the baseline identification and additionality demonstration made at the validation stage. The additionality was proven by barriers that are not affected by this change and the baseline is not affected.</p> <p>k- To perform sampling re-stratification was required. The stratum has been cleared from areas with zero capacity for emission removals (rocky areas and roads). This reduced the variance within the stratum and is thus more precise and acceptable.</p>

## Requested Deviations / Changes #2

	<p>m- As per point k revised stratification leads to revised sampling. Further a separate PRC with prior approval has been performed to approve the revised precision level from 10% to 20%.</p> <p>n- The project boundary has been reduced. Some areas have been removed as not able to be reforested or as indicated under point k, areas with zero capacity for emission removals (rocky areas and roads) have been removed. No increase in project area was observed. The changes are consistent with the baseline identification and additionality demonstration made at the validation stage. The additionality was proven by barriers that are not affected by this change and the baseline is not affected.</p> <p>o- Some aspects of the QA/QC have been changed and fully adopted to the procedures used by the national forest inventory in Albania and in accordance with the SOP.</p> <p>p- Latest available allometric equations have been applied to the project for biomass estimations. All equations are completely in compliance with the "Tool for demonstration of applicability of allometric equations in A/R CDM project activities". Follow assessment in section 5 of FVR.</p> <p>Therefore it can be concluded that revisions are accurate and correct.</p>
<p><b>Conservative-ness:</b> Please give a detailed assessment whether conservative assumptions or discount factors have been have been applied to ensure that ER will not be overestimated.</p>	<p>The changes are consistent with the baseline identification and additionality demonstration made at the validation stage. They all improve the accuracy of the estimations of ERs. Therefore it can be concluded that revisions are accurate, conservative and correct.</p>
<p><b>Appendix 1 PS:</b> Check if the changes fall under one of the scenarios of appendix 1 of the PS.</p>	<p>The A/R specific changes do not require approval by the board as they are listed in PS appendix 1 and as per EB 66 Annex 24.</p>
<p>C. Revised PDD</p>	
<p><b>Rev. of PDD:</b> Check whether the</p>	<p><input type="checkbox"/> The changes have correctly been reflected in the revised PDD.</p>

#### Requested Deviations / Changes #2

changes have been fully addressed in a revised PDD.	<input checked="" type="checkbox"/> A revision of the PDD is not required (in case of temp. Changes and A/R specific changes (defined as minor)). <input type="checkbox"/> The revised PDD has been forwarded in (i) track-change and (ii) clean version.
<b>D. Prior Approval</b>	
<b>Prior approval:</b> Assess whether the change requires prior approval of the board	<input type="checkbox"/> The post registration change requires prior approval <input checked="" type="checkbox"/> The post registration change does not require prior approval

## 5.5. Compliance with the monitoring plan

The monitoring system and all applied procedures are completely in compliance to the registered monitoring plan respective temporary deviations have been approved by the board on 2012/11/12. The request for approval was about the application of 20 % precision level instead of 10% to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).

## 5.6. Compliance with the monitoring methodology

The monitoring system is in compliance with the applied monitoring methodology (AR-AM0003 ver. 4) respective temporary deviations have been approved by the board on 2012/11/12. The request for approval was about the application of 20 % precision level instead of 10% to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).

## 5.7. Monitoring parameters

During the verification all relevant monitoring parameters (as listed in section E of the AR-CDM-PDD) have been verified with regard to the appropriateness of the applied measurement / determination methods, the correctness of the values applied for ER calculation, the accuracy, and applied QA/QC measures. The results as well as the verification procedure are described parameter-wise in the project specific verification checklist.

After appropriate corrections were carried out by the project participant it can be confirmed that all monitoring parameters have been measured / determined and reported without material misstatements and in line with all applicable standards and relevant requirements.

All the monitoring parameters are monitored as per the monitoring plan as contained in the registered PDD<sup>/PDD/</sup> considering guidelines of EB 63 Annex 26 for application of

specified versions of A/R CDM methodologies in verification of registered A/R CDM project activities.

As per EB 63 Annex 26 monitoring of fossil fuel consumption, clearance or burning of herbaceous vegetation, emissions from fertilizers are not required anymore; hence the PP has not monitored these parameters.

Only data and parameters are monitored that can be obtained from field measurements.

Calibration is done for field equipment as per manufacture specification (Vertex III and etrex) and before use in the field (meter tapes). Calibration is done as per best forest practice. The devices allow for self calibration and the meter tape is checked with a meter scale before use. As the equipment is only used for each monitoring event a continuous calibration is not necessary<sup>/CAL/ /ACC/</sup>.

The verification team confirms that all the required parameters are being monitored appropriately.

## 5.8. Monitoring report

A draft monitoring report was submitted to the verification team by the project participants. The team has made this report publicly available prior to the start of the verification activities. No comments were received.

During the verification, mistakes and needs for clarification were identified. The PP has carried out the requested corrections so that it can be confirmed that the Monitoring report is complete and transparent and in accordance with the registered PDD and other relevant requirements.

## 5.9. ER Calculation

During the verification mistakes in the ER calculation were identified. Corresponding CARs were raised. A revised ER calculation was prepared by the PP and presented to the verification team. All raised issues were addressed appropriately so that all corresponding CARs could be closed out. Thus it is confirmed that the ER calculation is overall correct.

Following formulas of the methodology have been applied:

### Net anthropogenic GHG removals by sinks:

$$C_{AR-CDM} = C_{ACTUAL} - C_{BSL} - LK \quad (\text{eq. 101})$$

Where:

$C_{AR-CDM}$	Net anthropogenic greenhouse gas removals by sinks; tonnes CO <sub>2</sub> -e
$C_{ACTUAL}$	Actual net greenhouse gas removals by sinks; tonnes CO <sub>2</sub> -e
$C_{BSL}$	Baseline net greenhouse gas removals by sinks (as pre-determined in the PDD); tonnes CO <sub>2</sub> -e
LK	Leakage; tonnes CO <sub>2</sub> -e

$$tCERs = C_{AR-CDM,t2} \text{ (eq. 102)}$$

### Carbon stock

Methodology AR-AM0003 ver.4, equations 60-61,68-81 and further species specific allometric equations as discussed in the checklist of this FVR.

#### Allometric equations:

In line with the methodology the allometric approach has been chosen to determine the tree dry weight biomass of a tree in kg.

The common allometric equation for biomass as a power function on DBH as the single independent variable has been chosen.

$$W = a \cdot DBH^b$$

Where:

W= above-ground biomass dry-weight in kg

a= scale parameter

DBH= Diameter at breast-height measured at 1.3 m above-ground

b= shape parameter, usually between 2 and 3

For the determination of parameter a and b published scientific literature has been taken:

Species	Origin	DBH range Cm*	a	b	Sample number (n)	R <sup>2</sup>	Source /ALL/
Quercus	NE-Spain	5-24	0.2208	2.217	69	0.908	[1]
Carpinus, Ostrya	NE-Spain	5-24	0.2208	2.217	69	0.908	[1]
Fraxinus	Italy -see text	5-30	0.17	2.46	40	0.97	[2]
Castanea	Mediterranean	1-35	0.08	2.421	49	0.916	[3]
Pinus	Southern France	2-44	0.134	2.214	56	0.99	[4]
Robinia	Romania	2-16	0.1211	2.0594	36	0.9272	[5]
Generic equation for all juvenile trees	n.a.	2-16	0.1944	2.08	63	0.88	[3]

The published papers have been checked and could be assessed as reliable and adequate for the purpose of the project activity. Further a report has been prepared by an external consultant “Demonstrating appropriateness of allometric equations for biomass assessment in the project”<sup>/ALL/</sup> showing the development and justification on the appropriateness of the equations for the specific project location.

Further the tool for demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities (Version 01.0.0) was analyzed. It was found that the equations were developed:

- 1- under the same edapho-climatic conditions (european - mediterranean climate) and
- 2- with a sample size (n) of > 30 trees per equation and
- 3- with a value of coefficient of  $R^2 > 0.85$ .

Therefore it can be concluded that the allometric equations are adequate for the carbon stock estimations in Albania.

## Project emissions

Methodology AR-AM0003 ver.4, equations 24, 84-87

Project emissions have been found negligible. Potential emissions from burning of herbaceous vegetation, emissions from nitrous oxide fertilization or burning of fossil fuels did not occur in the project and were not practiced. Further such emissions can be neglected as per EB 63 Annex 26.

Unintended site burning was observed on 0.3 ha of the project area with total potential emissions of  $E_{\text{BiomassBurn}} = 4.541$  tonnes  $\text{CO}_2\text{e}$ . As per the *methodology* emissions from fires are insignificant with less than 2% of net anthropogenic removals by sinks and can be considered zero. It is to point out that for the respective site no tree biomass was existent at that time of burning, thus actually  $E_{\text{BiomassBurn}} = 0$  tonnes  $\text{CO}_2\text{e}$ . The above calculation has been performed as per the PDD to have a conservative assumption.

No project emissions need to be considered in the project activity.

## Leakage

The project entity contracted a consultant to perform a leakage survey<sup>/LEAK/</sup>. Two types of leakage have been considered in the survey: activity displacement from grazing and fuel wood collection.

### Grazing leakage

Grazing has been controlled by means of agreements between the PPs and animal owners. Further in some communes guards have been employed to care for the site protection. The carbon parcels have been made visible in the beginning with barrier

tape, further coppicing has been practiced to have bushy life fences. Due to the mostly good growing conditions the grazing control can be seen as successful <sup>/IM01/</sup>.

The survey has been summarized in the MR section E.3 and equations 89-91, 34 of the methodology AR-AM0003 ver.4 have been applied for calculations. All formulas have been correctly applied in the calculations. The survey was conducted on sample basis. More than 10% of total project size has been sampled in line with the methodology requirements. Finally it can be concluded that more existing grazing land is existent in the project area surroundings than needed for the existing live stock with:

$$\Delta CL_{maxEGL} - \Delta CL_{current} \geq \Delta CL_{PA,t}$$

Where:

$\Delta CL_{maxEGL}$	Maximum annual biomass that EGL grazing areas can produce for animal feeding
$\Delta CL_{current}$	Annual biomass that these grazing areas are currently producing for animal feeding, t.d.m. yr-1
$\Delta CL_{PA,t}$	Animal annual biomass consumption over the project area to be planted at time, t (tonnes d.m. yr-1)

Finally leakage is considered zero. The verification team has checked all assumptions and calculations and confirms the correctness and plausibility of the leakage assessment in the MR and calculation sheet.

#### *Fuelwood displacement*

In the baseline no fuel wood collection was observed on the degraded lands. With the project and its management more fuel wood is potentially available in the project region than in the baseline. As already discussed in the registered PDD no fuel-wood displacement was foreseen for this project.

## 5.10. Quality Management

Quality Management procedures for measurements, collection and compilation of data, data storage and archiving, calibration where required, maintenance and training of personnel in the framework of this CDM project activity have been defined. The procedures defined can be assessed as appropriate for the purpose. No significant deviations thereof have been observed during the verification.

## 5.11. Comparison with ex-ante estimated emission removals

The MR includes a comparison of the calculated actual emission removals with the ex-ante calculated values in the registered PDD.

The ex-ante estimation was 178,598.34 tCO<sub>2</sub> and the actual value was 128,757 tCO<sub>2</sub>. The actual value was found to be proportionally lower than the ex-ante



determined value, thus no further justification was required. The difference of about 50,000 tCO<sub>2</sub> can be justified with the pending implementation of some areas.

## 5.12. Overall Aspects of the Verification

All necessary and requested documentation was provided by the project participants so that a complete verification of all relevant issues could be carried out.

Access was granted to all plantations as randomly selected, which are relevant for the project and the monitoring activities.

No issues have been identified indicating that the implementation of the project activity and the steps to claim emission removals are not compliant with the UNFCCC criteria and relevant guidance provided by the COP/CMP and the CDM EB (clarifications and/or guidance).

## 5.13. Hints for next periodic Verification

The FAR from the validation is also valid for every upcoming verification event.

Finding	FAR		
<b>Classification</b>	<input type="checkbox"/> CAR	<input type="checkbox"/> CL	<input checked="" type="checkbox"/> FAR
<b>Description of finding</b> <i>Describe the finding in unambiguous style; address the context (e.g. section)</i>	Monitoring of contracts with land owners on control over land and carbon rights necessary during monitoring period (prior to each certification).		





## 6. VERIFICATION AND CERTIFICATION STATEMENT

International Bank for Reconstruction and Development (IBRD) as Trustee of the BioCarbon Fund (BioCF) (BioCF) has commissioned the TÜV NORD JI/CDM Certification Program to carry out the 1st periodic verification of the project: “Assisted Natural Regeneration of Degraded Lands in Albania”, with regard to the relevant requirements for CDM project activities. The project removes GHG emissions due to assisting natural regeneration and plantation activities. This verification covers the period from 2004-12-20 to 2012-06-30(including both days).

In the course of the verification 13 Corrective Action Requests (CAR) and 0 Clarification Requests (CR) were raised and successfully closed. Furthermore 1 FAR is raised as a result from the validation. The verification is based on the draft monitoring report, revised monitoring report, the monitoring plan as set out in the registered PDD, the validation report, emission removal calculation spreadsheet and supporting documents made available to the TÜV NORD JI/CDM CP by the project participant.

As a result of this verification, the verifier confirms that:

- all operations of the project are implemented and installed as planned and described in the validated project design document apart from AR specific types of changes..
- the monitoring plan is in accordance with the applied approved CDM methodology, i.e., AR-AM0003 ver. 4
- the equipment essential for measuring parameters required for calculating emission removals are as per best forest practice and calibrated (as required) appropriately,
- the monitoring system is in place and functional. The project has generated GHG emission removals.

As the result of the 1<sup>st</sup> periodic verification, the verifier confirms that the GHG emission removals are calculated without material misstatements in a conservative and appropriate manner. TÜV NORD JI/CDM CP herewith confirms that the project has achieved emission removals in the above mentioned reporting period as follows:

Emission removals: **128,757** t CO<sub>2e</sub>

Hannover, 2013-05-21

A handwritten signature in blue ink, appearing to read 'A. Nebel'.

Alexandra Nebel

TÜV NORD JI/CDM Certification  
Program

Verification Team Leader

Essen, 2013-05-21

A handwritten signature in blue ink, appearing to read 'R. Winter'.

Rainer Winter

TÜV NORD JI/CDM Certification  
Program

Final Approval

## 7. REFERENCES

**Table 7-1:** Documents provided by the project participant(s)

Reference	Document
<b>/ACC/</b>	Vertex III - User manual including accuracy of measuring equipment for tree height - Calibration: Before every use in the field, automatic calibration by the device. etrex GPS – User manual including accuracy (<10m) of measuring equipment - Calibration: every 100 miles or after new battery entry, self calibration by device.
<b>/AGM-1/</b>	Agreements (MARVESHJE) on protection and management of project land between major of commune and pasture and forest user association representative.
<b>/AGM-2/</b>	Contract (VENDIM) for employment of rangers for the protection of the project sites.
<b>/AGM-3/</b>	Contract with land owners/land users on control over land and carbon rights 24 contracts between MEFWA (Ministry) and communes
<b>/ALL/</b>	<p>“Demonstrating appropriateness of allometric equations for biomass assessment in the project”, report prepared by forest expert Ing. Dieter Schöne.</p> <p>Papers used:</p> <ol style="list-style-type: none"> <li>1. Canadell, J., M. Riba, and P. Andras, <i>Biomass Equations for Quercus ilex L. in the Montseny Massif, Northeastern Spain</i>, Forestry, 1988. 61(2): p. 137-147.</li> <li>2. Alberti, G., P. Candido, A. Peressotti, S. Turco, P. Piussi, and G. Zerbi, <i>Aboveground biomass relationships for mixed ash (Fraxinus excelsior L. and Ulmus glabra Hudson) stands in Eastern Prealps of Friuli Venezia Giulia (Italy)</i>, Ann. For. Sci., 2005. 62(8): p. 831-836.</li> <li>3. Leonardi, S., I. Santa Regina, M. Rapp, H. Gallego, and M. Rico, <i>Biomass, litterfall and nutrient content in Castanea sativa coppice stands of southern Europe</i>, Ann. For. Sci., 1996. 53(6): p. 1071-1081.</li> <li>4. Porté, A., P. Trichet, D. Bert, and D. Loustau, <i>Allometric relationships for branch and tree woody biomass of Maritime pine</i>, Forest Ecology and Management, 2002. 158: p. 71-83</li> <li>5. Blujdea, V.N.B., R. Pilli, I. Dutca, L. Ciuvat, and I.V. Abrudan, <i>Allometric biomass equations for young broadleaved trees in plantations in Romania</i>, Forest Ecology and Management, 2012. 264(0): p. 172-184.</li> </ol>

Reference	Document
<b>/ASS/</b>	Assessment & design of community based carbon sequestration in Albania
<b>/CAL/</b>	Calibration is done for all measurement devices as applicable before use. See /ACC/. Tapes are crosschecked with meter scales before use.
<b>/COOR/</b>	Coordinates of the land parcels and plots in excel file
<b>/DEC/</b>	Decision on establishment of the 6 field teams and coordinators of field measurements 2012-04-06
<b>/FIRE/</b>	Update on forest fire situation, Albania, 2003, latest version available National forest fire management strategy, 2003
<b>/FMP/</b>	Forest management plan and maps of forest inventory 1984/85
<b>/FOTO/</b>	Photographs taken during the verification site visit
<b>/GIS/</b>	Geographic information system software (ArcGIS)
<b>/GPS/</b>	Global Positioning System Equipment GPS ertrex, Accuracy (3m to 5m)
<b>/IMPL/</b>	Bill of quantity (Report) prepared by communes on the implementation works done for the project activity.
<b>/LEAK/</b>	Assessment of Grazing Leakage Report dated June 2012 prepared by Institute for Nature Conservation in Albania.
<b>/LEG/</b>	Legal Acts on forest pastures and protected areas by Ministry of Environment, Forestry and Water administration, Tirana 2008. Including revision of forest law from 2005, 2006, 2007, 2008.
<b>/MA/</b>	Manual: Rules and technical requirements for treatment, use and harvesting of communal forest, Ministry of Environment, Forestry and Water administration, 2008
<b>/MAN/</b>	Manual for field measurement teams
<b>/MINI/</b>	Mini project descriptions (management plan) for each communal/parcel/plot level
<b>/MON/</b>	Monitoring raw data sheets of 95 sample plots

Reference	Document
<b>/MR/</b>	Monitoring Report version 1 - 2012-06-30 Monitoring Report version 2 - 2012-10-07 Monitoring Report version 3 - 2012-11-22 Monitoring Report version 4 - 2012-12-09 Monitoring Report version 5 - 2013-02-25
<b>/PAS/</b>	Report on pasture survey and range management plan, Prof. Dr. Vasilios Papanastasis, 2005
<b>/QA/QC/</b>	Records of re-measurement for 9 sample plots (10%) for dbh, height, location and species
<b>/SHAPE/</b>	Shape file of project boundary at time of implementation of the project activity Shape file of project boundary at time of monitoring Shape file of sample plots
<b>/SOCIAL/</b>	Social assessment report, Dr. Harold Lemel, Prof. Bahri Musabelliu, 2005 Social Assessment Report, June 2007
<b>/SOP/</b>	Manual on forest management (including field measurements), Prof. Dr. Dalip Habili, Tirana 2001
<b>/SP/</b>	Notes of sample plots, forest parcels and GPS points taken during the site visit. Re-measurements on sample plots performed during site visit (22, 25, 30, 32, 37, 42, 44, 46, 53, 54) (10 out of 95 = 10,5%)
<b>/SR/</b>	Survival rate monitoring sheets
<b>/ST/</b>	Proof of start date of plantation in each parcel: see /IMPL/
<b>/TITLE/</b>	Legal title of land as per governmental agreement from 2008 to transfer title of state owned forest to the communes for use or for ownership.
<b>/TR-1/</b>	Training booklets from World Bank Bio Carbon Fund for forest project coordinators <ul style="list-style-type: none"> <li>- How to stratify a project</li> <li>- How to establish permanent tree plots</li> <li>- How to measure tree plots</li> <li>- How to monitor grazing displacement</li> </ul>
<b>/TR-2/</b>	Training report on monitoring to communal representatives carried out by independent Prof.as. Dr. Vath Tabaku, 08/09/2008 to 07/11/2008.

Reference	Document
	<p>Training records on forest monitoring for the teams responsible for field measurements on 2012-04-07</p> <p>Training records on field measurement in the field for the teams responsible for field measurements on 2012-04-27</p> <p>Training records on instrument use (Vertex III and GPS) for the teams responsible for field measurements on 2012-05-17</p>
<b>/VOL/</b>	Albanian tree volume table from 1985 (Quercus cerris, coppice forest/hornbeam)
<b>/XLS/</b>	<p>Emission removal calculations</p> <p>Sample plot calculations</p> <p>Leakage calculation</p> <p>Project emission calculation</p>

**Table 7-2:** Background investigation and assessment documents

Reference	Document
<b>/ANNEX 3/</b>	Assessment Report Regarding Post Registration Changes 2013-05-21
<b>/AR-AM3/</b>	AR-AM0003 ver. 4, "Afforestation and reforestation of degraded land through tree planting, assisted natural regeneration and control of animal grazing"
<b>/CPM/</b>	TÜV NORD JI / CDM CP Manual (incl. CP procedures and forms)
<b>/GLMP/</b>	Guidelines for completing the monitoring report form (EB 66 Annex 20)
<b>/IPCC/</b>	<p>1. 1996 IPCC Guidelines for National Greenhouse Gas Inventories: work book</p> <p>2. 2006 IPCC Guidelines for National Greenhouse Gas Inventories: work book</p>
<b>/KP/</b>	Kyoto Protocol (1997)
<b>/MA/</b>	Decision 3/CMP. 1 (Marrakesh – Accords)
<b>/MRT/</b>	Monitoring Report Form (F-CDM-MR) Version 2.0
<b>/PDD/</b>	Project Design Document for CDM project: "Assisted Natural Regeneration of Degraded Lands in Albania" version 6, dated 2009-06-22

Reference	Document
/PRC/	Post registration changes PRC id: prcp893312963 approved on 2012-11-12
/PS/	Project Standard (EB 70 Annex 2)
/VAL/	Validation Report for CDM project “Assisted Natural Regeneration of Degraded Lands in Albania” version 4, dated 2009-10-02 by TÜV SÜD.
/VVS/	UNFCCC Validation and Verification Standard (Version 3.0, EB 70)

Table 7-3: Websites used

Reference	Link	Organisation
/dna-HP/	<a href="http://www.ccalb.org/">http://www.ccalb.org/</a>	DNA of Albania Climate Change Unit, Ministry of Environment
/dna-SP/	<a href="http://www.minambiente.it">http://www.minambiente.it</a>	DNA of Italy Ministry for the Environment and Territory, Department for Global Environment, International and Regional Conventions
/unfccc/	<a href="http://cdm.unfccc.int">http://cdm.unfccc.int</a>	UNFCCC
/ipcc/	<a href="http://www.ipcc-nggip.iges.or.jp">www.ipcc-nggip.iges.or.jp</a>	IPCC publications

Table 7-4: List of interviewed persons

Reference	Mol <sup>1</sup>		Name	Organisation / Function
/IM01/	V	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Franka Braun	Bio Carbon Fund / The World Bank
/IM01/	V	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms.	Drita Dade	Sr. Project Officer Tirana, The World Bank
/IM02/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Dieter Schoene	External Consultant
/IM03/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Nehat Collalm	Project Manager NRDP

Reference	Mol <sup>1</sup>		Name	Organisation / Function
/IM03/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Erion Istrefi	Carbon Specialist NRDP and DFS
/IM03/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Valbona Simixhin	GIS Specialist Consultant for NRDP
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Shkelqim Hosa	DFS District Forest Service Deber
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Skender Cani	DFS District Forest Service Deber
/IM05/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Hyreu Murigi	Chairman of FPUA Klosi
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Bernik Doda	Chairman of Klosi village
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Mensur Firm	Head of village K. Shoya
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Isak Romes	Head of village Melan and forest protection ranger
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Pashuk Luiashi	DFS District Forest Service Puka
/IM05/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Enyer Looconch	Chairman FPUA Rape
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Arton Moto	No information
/IM05/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Gyon Dodoj	Chairman FPUA Qelez
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Abdyl Narey	Ranger for Palaman village (Slove)
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Azem Lika	Chirman of Palaman viallge (Slove)
/IM05/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Fehmi Zuci	Chairman of FPUA Slove
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Myrtezan Seli	DFS District Forest Service Slove

Reference	Mol <sup>1</sup>		Name	Organisation / Function
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Meholi Jhtrezi	DFS District Forest Service Sllove
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	L. Mini	Chairman of Bushtrice village
/IM06/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Aolem Sita	Ranger of Bushtrice village
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Hilmi Kola	Management of DFS Kukes Bushtrice
/IM04/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	lhmi Gjana	DFS District Forest Service Bushtrice
/IM05/	V	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms	Musa Dita	Chairman FPUA Bushtrice

<sup>1)</sup> Means of Interview: (Telephone, E-Mail, Visit)



# ANNEX

- A1:** Verification Protocol
- A2:** Statements of Competence of  
involved Personnel

## ANNEX 1: VERIFICATION PROTOCOL

**Table A-1:** GHG calculation procedures and management control testing / detailed audit testing of residual risk areas and random testing

Identification of potential reporting risk	Identification, assessment and testing of management controls	Areas of residual risks	Additional verification testing	Conclusions and Areas Requiring Improvement (including <i>Forward Action Requests</i> )
<b>Raw data generation</b>				
<ul style="list-style-type: none"> <li>• Use of measuring equipment</li> <li>• Dysfunction of installed equipment</li> <li>• Maloperation by operational personnel</li> <li>• Exchange of equipment</li> <li>• Change of measurement equipment characteristic</li> <li>• Insufficient accuracy</li> <li>• Change of technology</li> </ul>	<ul style="list-style-type: none"> <li>• Use of modern and state of the art equipment</li> <li>• Process control automation</li> <li>• Internal data review</li> <li>• Regular visual inspections of used equipment</li> <li>• Only skilled and trained personnel operates the relevant equipment</li> <li>• raw data checks</li> <li>• Immediate exchange of dysfunctional equipment</li> <li>• Training</li> </ul>	<ul style="list-style-type: none"> <li>• Inadequate use / operation of the monitoring equipment</li> <li>• Inadequate exchange of equipment</li> <li>• Change of personnel</li> <li>• Undetected measurement errors</li> <li>• Inappropriateness of Management system procedures w.r.t. monitoring plan requirements (e.g. substitute value strategies)</li> <li>• Non-application of management system procedures</li> <li>• Insufficient accuracy</li> <li>• Inappropriate QA/QC</li> </ul>	<ul style="list-style-type: none"> <li>• Site – visit</li> <li>• Check of equipment</li> <li>• Check of technical data sheets</li> <li>• Check of suppliers information / guarantees</li> <li>• Check of calibration records, if applicable</li> <li>• Check of maintenance records</li> <li>• Counter-check of raw data and commercial data</li> <li>• Check of CDM management system</li> <li>• Check of CDM related</li> </ul>	<ul style="list-style-type: none"> <li>• <b>See Table A-2</b></li> </ul>

Identification of potential reporting risk	Identification, assessment and testing of management controls	Areas of residual risks	Additional verification testing	Conclusions and Areas Requiring Improvement (including <i>Forward Action Requests</i> )
	<ul style="list-style-type: none"> <li>Internal audit procedures</li> <li>Internal check of QA/QC measures of involved Third Parties</li> </ul>	measures of Third Parties	<ul style="list-style-type: none"> <li>procedures</li> <li>Application of CDM management system procedures</li> <li>Check of trainings</li> <li>Check of responsibilities</li> <li>Check of QA/QC documentation / evidences of involved Third Parties</li> </ul>	
<b>Raw data collection and data aggregation</b>				
<ul style="list-style-type: none"> <li>Wrong data transfer from raw data to daily and monthly aggregated reporting forms</li> <li>IT Systems</li> <li>Spread sheet programming</li> <li>Manual data transmission</li> </ul>	<ul style="list-style-type: none"> <li>Cross-check of data</li> <li>Plausibility checks of various parameters.</li> <li>Appropriate archiving system</li> <li>Clear allocation of responsibilities</li> <li>Application of CDM Management system procedures</li> </ul>	<ul style="list-style-type: none"> <li>Unintended usage of old data that has been revised</li> <li>Incomplete documentation</li> <li>Ex-post corrections of records</li> <li>Ambiguous sources of information</li> <li>Non-application of management system procedures</li> </ul>	<ul style="list-style-type: none"> <li>Check of data aggregation steps</li> <li>Counter-calculation</li> <li>Data integrity checks by means of graphical data analysis and calculation of specific performance figures</li> <li>Check of management system certification</li> </ul>	<ul style="list-style-type: none"> <li><b>See Table A-2</b></li> </ul>

Identification of potential reporting risk	Identification, assessment and testing of management controls	Areas of residual risks	Additional verification testing	Conclusions and Areas Requiring Improvement (including <i>Forward Action Requests</i> )
<ul style="list-style-type: none"> <li>Data protection</li> <li>Responsibilities</li> </ul>	<ul style="list-style-type: none"> <li>Usage of standard software solutions (Spreadsheets)</li> <li>Limited access to IT systems</li> <li>Data protection procedures</li> </ul>	<ul style="list-style-type: none"> <li>Manual data transfer mistakes</li> <li>Unintended change of spread sheet programming or data base entries</li> <li>Problems caused by updating/upgrading or change of applied software</li> </ul>	<ul style="list-style-type: none"> <li>Check of data archiving system</li> <li>Check of application of Management system procedures</li> </ul>	
<b>Other calculation parameters</b>				
<ul style="list-style-type: none"> <li>Allometric equations</li> <li>Fixed values</li> </ul>	<ul style="list-style-type: none"> <li>The values and data sources applied are defined in the PDD and monitoring plan</li> </ul>	<ul style="list-style-type: none"> <li>Unintended or intended Modification of calculation parameters</li> <li>Wrong application of values</li> <li>Misinterpretations of the applied methodology and/ or the PDD</li> <li>Missing update of applicable regulatory framework (e.g. IPCC values)</li> </ul>	<ul style="list-style-type: none"> <li>Update-check of regulatory framework</li> <li>Countercheck of the applied MP in the MR against the methodology and the PDD</li> </ul>	<ul style="list-style-type: none"> <li><b>See Table A-2</b></li> </ul>
<b>Calculation Methods</b>				

Identification of potential reporting risk	Identification, assessment and testing of management controls	Areas of residual risks	Additional verification testing	Conclusions and Areas Requiring Improvement (including <i>Forward Action Requests</i> )
<ul style="list-style-type: none"> <li>Applied formulae</li> <li>Miscalculation</li> <li>Mistakes in spread-sheet calculation</li> </ul>	<ul style="list-style-type: none"> <li>Advanced calculation and reporting tools</li> <li>A CDM coordinator is in charge of the CDM related calculations</li> <li>Usage of tested / counterchecked Excel spreadsheets</li> <li>Involvement of external consultants</li> </ul>	<ul style="list-style-type: none"> <li>The danger of miscalculation can only be minimized.</li> </ul>	<ul style="list-style-type: none"> <li>Countercheck on the basis of own calculation.</li> <li>Spread sheet walk-through.</li> <li>Plausibility checks</li> <li>Check of plots</li> </ul>	<ul style="list-style-type: none"> <li><b>See Table A-2</b></li> </ul>
<b>Monitoring reporting</b>				
<ul style="list-style-type: none"> <li>Data transfer to the author of the monitoring report</li> <li>Data transfer to the monitoring report</li> <li>Unintended use of outdated versions</li> </ul>	<ul style="list-style-type: none"> <li>An experienced CDM consultant is responsible for monitoring reporting.</li> <li>CDM QMS procedures are defined</li> </ul>	<ul style="list-style-type: none"> <li>The danger of data transfer mistakes can only be minimized</li> <li>Inappropriate application of QMS procedures</li> </ul>	<ul style="list-style-type: none"> <li>Counter check with evidences provided.</li> <li>Audit of procedure application</li> </ul>	<ul style="list-style-type: none"> <li><b>See Table A-2</b></li> </ul>

**Table A-2:** (Project specific) Periodic Verification Checklist

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<b>A. Description of the project activity</b>				
<b>A.1. Purpose and general description of the project activity</b> <b>(EB 66 Annex 20, A.1)</b> <i>Check if section A.1 of the MR includes the following:</i> <ul style="list-style-type: none"> <li>- Purpose of the PA and the measures taken to reduce GHG emissions</li> <li>- Brief description of the installed technology and equipment</li> <li>- Relevant dates for the project activity (e.g. construction, commissioning, continued operation periods etc.)</li> <li>- Total emission removals achieved in this monitoring period</li> </ul>	/MR/	<p>The verification team has checked section A.1 of the MR and confirms that the information provided is complete and correct with regards to the following:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Purpose of the PA and the measures taken to reduce GHG emissions</li> <li><input checked="" type="checkbox"/> Brief description of the installed technology and equipments</li> <li><input checked="" type="checkbox"/> Relevant dates for the project activity (e.g. construction, commissioning, continued operation periods etc)</li> <li><input type="checkbox"/> Total emission removals achieved in this monitoring period</li> </ul> <p>In this context the following findings have been identified:</p> <p>CAR A1 has been opened to address missing information and inconsistencies.</p>	CAR A1	OK
<b>A.2. Location of project activity</b> <b>(EB 66 Annex 20, A.2)</b> <i>Check if section A.2 of the MR reflects correctly the following:</i> <ul style="list-style-type: none"> <li>- Host Party(ies)</li> </ul>	/MR/ /PDD/ /IM/	<p>The verification team has checked section A.2 of the MR and confirms by means of comparison with the information given in the PDD and information gathered during the site visit that the information provided is complete and correct with regards to the following:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Host Party(ies)</li> </ul>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<ul style="list-style-type: none"> <li>- Region / State / Province etc.</li> <li>- City / Town / Community etc.</li> <li>- Physical / geographical location (e.g. Latitude and Longitude)</li> </ul>		<input checked="" type="checkbox"/> Region / State / Province <input checked="" type="checkbox"/> City / Town / Community  <input checked="" type="checkbox"/> Physical / Geographical location In this context the following findings have been identified: N/A		
<b>A.3. Parties and Project Participants (EB 66 Annex 20, A.3)</b> Check if section A.3 of the MR includes the following: <ul style="list-style-type: none"> <li>- All PPs as displayed on the UNFCCC website</li> <li>- A correctly filled table as per the MR template</li> </ul>	/MR/ /unfccc/	The verification team has checked section A.3 of the MR as well as the UNFCCC website and confirms that: <ul style="list-style-type: none"> <li><input type="checkbox"/> all PPs as displayed on the project related UNFCCC website are correctly listed</li> <li><input type="checkbox"/> the table as per the template MR has been correctly filled</li> </ul> In this context the following findings have been identified: The BioCarbon Fund is not listed as a project participant on UNFCCC website. CAR A 1 has been opened.	CAR A1	OK
<b>A.4. Reference of applied methodology (EB 66 Annex 20, A.4)</b> Check if section A.4 of the MR correctly describes / includes the following: <ul style="list-style-type: none"> <li>- Reference to the applicable version of the methodology</li> <li>- Reference to the applicable version(s) of</li> </ul>	/MR/ /PDD/ /unfccc/	The verification team has checked section A.4 of the MR and confirms by means of comparison with the information given in the PDD and displayed on the UNFCCC website that the information provided is complete and correct with regards to the following: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Number, title and version of the applicable CDM Methodology</li> <li><input type="checkbox"/> Name and version of applicable CDM methodological</li> </ul>	CAR A1	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>relevant methodological tools</i> - <i>Relevant EB decisions, if applicable</i>		tools <input type="checkbox"/> Relevant EB decisions In this context the following findings have been identified: Tools and EB decisions have not been listed. CAR A1 has been opened.		
<b>A.5. Crediting period of project activity (EB 66 Annex 20, A.5)</b> <i>Check if section A.5 of the MR correctly includes the following:</i> - <i>Start date of the crediting period. In this context please check, if applicable, whether post registration changes to the start date have been accepted by the EB.</i> - <i>Length and type of the crediting period</i>	/MR/ /unfccc/	The verification team has checked section A.5 of the MR and confirms by means of comparison with the information displayed on the UNFCCC website that the information provided is complete and correct with regards to the following: <input type="checkbox"/> Start date of the crediting period. <input checked="" type="checkbox"/> Type and length of the crediting period In this context the following findings have been identified: Start date of the CP has not been included. CAR A1 has been opened.	CAR A1	OK
<b>A.6. Publication of the Monitoring Report (EB 70 Annex 3, 207)</b> <i>Check if the monitoring report has been made publicly available on the UNFCCC website before the verification commenced.</i>	/unfccc/	The verification team has ensured and confirms by means of checking the respective project information on the UNFCCC website that: <input checked="" type="checkbox"/> The draft monitoring report, as received from the project participants, has been made publicly available prior to the start of the verification activities.	OK	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>Check if comments have been received and if yes, how they have been addressed.</i>		<input checked="" type="checkbox"/> No comments have been received. In this context the following findings have been identified: N/A		
<b>A.7. Compliance with standardized format of the Monitoring Report (EB 70 Annex 3, 212 h)</b>  <i>Check (only) if the latest applicable MR template has been used. For compliance assessment with the MR guideline pl. refer to the respective MR sections.</i>	/MRT/ /MR/	The verification team has checked all sections of the MR and confirms by means of comparison with the MR template that:  <input checked="" type="checkbox"/> the standardized MR template has been used  In this context the following findings have been identified: N/A	OK	OK
<b>B. Implementation of project activity</b>				
<b>B.1. Description of implemented registered project activity (EB 66 Annex 20, B.1)</b>  <i>Check if section B.1 of the MR correctly describes / includes the following:</i> <ul style="list-style-type: none"> <li>- Implementation status of the PA</li> <li>- Detailed description of installed technology(ies) / technical processes and equipment applied</li> <li>- Diagrams (where appropriate)</li> </ul>	/MR/ /PDD/ /PS/ /IM/	The verification team has checked section B.1 of the MR and confirms by means of comparison with the information given in the PDD, the project standard and information gathered during the site visit that:  <input checked="" type="checkbox"/> the description of the implementation status of the PA is in line with the applicable provisions of the project standard, including changes from the PDD as per EB 66 Annex 24 and EB 63 Annex 27.  <input checked="" type="checkbox"/> an appropriate description of the implementation (plantings, protection), technical process and equipment incl. diagrams, where applicable, has been included  In this context the following findings have been identified: CAR B1 has been opened to include further description or	CAR B1	OK

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		correct the MR.		
<p><b>B.1.1. Initial project implementation (EB 70 Annex 3; § 225 a, 226)</b></p> <p><i>Assess whether the project has been implemented and operated as per the registered PDD and are all physical features of the project in place?</i></p> <p><i>Further focus on the potential phase wise implementation and check the reporting on the corresponding status and starting dates accordingly.</i></p> <p><i>Also, discuss – if applicable – any approvals of the necessary request of notification or request for approval of changes from the project activity as described in the registered PDD (EB 48 Annex 66/67).</i></p>	/IM01/ /IM02/ /IM03/ /IM04/ /PDD/ /VAL/ /MR/ /GIS/ /IMPL/ /AGR/ /MINI/	<p><i>Description:</i></p> <p><b>Forest Implementation:</b></p> <p>The project started on 20/12/2004 when an agreement for area protection has been signed between the MEFWA and the first commune. After this date agreements with all other 24 communes have been signed /VAL/.</p> <p>Later implementation of the first forest parcels started first in March 2006. As this project is implemented phase wise the implementation was done over the years from 2006 to 2011.</p> <p>At the time of verification site visit and end of this monitoring period an area of 3,990.45 ha has been implemented (through either protection or planting) and is part of this monitoring event. Initially a total project area of 6,272.36 ha was registered whereof after re-stratification (taking out roads, pathways and rocky areas) an area of 4,779 ha remains in the project. The difference of 788.55 ha is planned to be implemented until the next monitoring event.</p> <p><b>Stratification:</b></p> <p>Initially the project has been divided into 4 ecozones, but in terms of monitoring only one stratum has been assumed. For the verification the PP decided to reduce the project area by taking out areas with no capacity to remove CO2 like roads, pathways and rocky areas. Thus the project area was finally reduced as described above. The remaining project area has been determined as one stratum after pre-sampling has been</p>		OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>carried out to determine variability within the stands. The variability within the stands is covered by the respective sample size. Stratification has been done using ArcGIS software and latest satellite images/areal photographs.</p> <p><b>Sampling Implementation:</b></p> <p>The sampling design has been established different from the procedures described in the PDD. This has been identified as necessary to fit the sampling design to project setup. The sampling design as planned in the PDD was not optimal for the purpose. The change in design is covered under EB decision 66 Annex 24. In a first step the initially registered project area has been cleaned by small pieces of agricultural area, roads and other non forest lands. By this finally an area of 4,779 ha remained in the project activity. This step has been done to reduce sampling costs and biomass variation within project areas. This 4,779 ha have once again been stratified as implemented (3,990.45 ha) and not yet implemented areas (788.55 ha). To further reduce sampling costs the sampling design was only implemented for the “implemented areas”.</p> <p>Using GIS shape files, the project areas eligible for sampling have been identified.</p> <p>In a second step a grid has been laid over Albania with a grid distance of 100m x 100m by using ArcGIS software. After that only the grid points within the project boundary remained. Those grid points have been numbered. From this list of points one has been randomly selected to be the first sample plot centre point. Then the total number of all grid points (3,990) have been divided by the number of applicable sample plots (95) resulting</p>		

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>in a distance between two sample plots of 42 grid points. From the randomly selected point 1 every 42nd grid point in west-east and north-south direction has been determined as a sample plot centre point. The coordinates of these points have been recorded in a Gauss-Krüger System. From a kilometric system they have been transferred into a geographical system using specific converting software and from Gauss-Krüger to UTM. Those coordinates have been used by the field team to identify the sample plots on the ground.</p> <p><i>Verifier's action:</i></p> <p><b>Forest Implementation:</b></p> <p>The exact information on implementation status has been reported from the communes to the ministry in form of the bill of quantities /IMPL/ which records the exact works done and money spend. Further the planning for each of the forest parcels has been described in the so called mini-project descriptions /MINI/.</p> <p>The verification team visited 10 sample plots to check selection, location and implementation and execution of monitoring measurements. Further several additional forest sites have been visited to check the implementation of the project.</p> <p><b>Stratification:</b></p> <p>During site visit it was observed that stratification has been carried out by reducing the project area. It could be observed that roads and rocky areas have been taken out, if the project.</p>		

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>This has been done by comparing GIS maps from project site with Satellite images and field visits.</p> <p><b>Sampling Implementation:</b> During the field visit the team interviewed the GIS expert to explain the sampling design. Further some of the sample plots have been visited in field to confirm their location. The GIS maps and shape files have been checked.</p> <p><i>Conclusion:</i></p> <p><b>Forest Implementation:</b> The project has been in general implemented as described in the registered PDD. Only small changes to the initial design took place that do not need approval by the board as per EB 66 Annex 28.</p> <p><b>Stratification:</b> Stratification has been done as per best forest practice using ArcGIS software. A clear project boundary has been produced excluding all sites not viable to store carbon and thus reducing variability within the sampling group.</p> <p><b>Sampling Implementation:</b> The sampling design has been established as per best forest practice. A random-systematic approach has been applied as requested by the methodology. The design has finally been implemented different than described in the PDD, but those changes are allowed as per EB decision 66 Annex 24.</p>		
<b>B.1.2. Technical equipment changes</b> <b>-(EB 70 Annex 3; § 225 a, 226)</b> <i>Check if relevant technical equipment of the project</i>	/IM01-4/ /PDD/ /ACC/	<i>Description:</i> The management plan as given in the PDD has been followed in terms of tree species for supplementary planting, provenience	OK	OK



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<p><i>activity has been exchanged or modified during the monitoring period. Further ensure that consistent notations of key equipment (meters etc.) in PDD, MR and calculation spreadsheet are applied</i></p> <p><i>Consider e.g. interviews with operational personnel, QMS records, maintenance records, instrument specifications.</i></p> <p><i>In case of changes, check whether the project is still in line with the registered PDD and assure that these changes have been considered in the monitoring report and the emission removal calculation.</i></p> <p><i>In case of post registration changes pl. refer to chapter B.2.</i></p>	/GPS/	<p>and land preparation /IM04/. In some places the tree composition has been changed or fencing and social fencing have been performed according to the site preparation and conditions. All changes in implementation are still in accordance with the PDD and were adapted to the special site conditions which gain awareness during the implementation phase but could not be foreseen during the planning stage. Changes in the implementation did not lead to significant changes in estimated GHG removals as the growth performance will not change and species selection is still the same as in the PDD.</p> <p>No measures in terms of fertilization have been performed during implementation and site preparation followed best practice with lowest soil disturbance as possible. Only hole digging (50cm * 50cm) and weeding around the hole was done /IM01,2,3,4/.</p> <p>Measures in terms of pruning or harvesting have not been performed so far. In some areas coppicing was used to establish natural fences around the sites /IM01,2,3,4//FOTO/.</p> <p>Implementation of sample plots and measurements (location, dbh, height, tree species) have been performed according to best practice /IPCC-LU/ and as described in the monitoring plan. New and adequate measuring equipment has been used /ACC//GPS/.</p> <p><i>Verifier's action:</i></p> <p>The verification team visited 10 sample plots and further forest parcels to check selection, location and implementation and execution of monitoring measurements.</p>		

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>Further interviews were performed with local forest management staff and workers about the implementation, management and protection of the sites.</p> <p><i>Conclusion:</i></p> <p>The implementation of the forest sites is in accordance with the registered PDD and the AR specific changes as discussed in section 5 and follows best forest practice/PDD//IPCC-LU/. Measurement of sample points also follows best practice.</p>		
<p><b>B.1.3. Operation of the project activity</b> <b>-(EB 70 Annex 3; § 225 a, 226)</b></p> <p><i>Check if relevant operation modes of the project activity have been exchanged or modified during the monitoring period.</i></p> <p><i>Consider e.g. interviews with operational personnel, operation log sheets, data management system records.</i></p> <p><i>In case of changes, check whether the project is still in line with the registered PDD and assure that these changes have been considered in the monitoring report and the emission removal calculation.</i></p> <p><i>In case of post registration changes pl. refer to chapter B.2.</i></p>	<p>/IM01-3/ /PDD/ //FOTO/ /Annex 1/ /IMPL/</p>	<p><i>Description:</i></p> <p>Main operation currently performed as described in the PDD is the protection of the forest sites from grazing. To ensure that the sites are well protected fencing or social fencing are the measures taken. For fencing either natural fences like bushes or real fences have been established /IMPL/. Social fencing has been established with an agreement between the major of the communes and local workers, who protect the sites from grazing /AGM-1/.</p> <p>Measures in terms of pruning or harvesting have not been performed so far. In some areas coppicing was used to establish natural fences around the sites /IM01,2,3//FOTO//Annex 1/.</p> <p><i>Verifier's action:</i></p> <p>Interviews with workers from communes have been performed. Further project sites have been visited and GPS points have been taken to show whether project boundaries are affected by grazing and if protection is working.</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p><i>Conclusion:</i></p> <p>The verification team can conclude that the project is operated as planned. The communes do really care about their carbon sites and only in very few cases some farmers do not respect the project boundary as “non-grazing” area. Those do not heavily affect the carbon stock and if so this is covered with the sampling frame. Where gaps have been identified where no natural regeneration came up, additional planting has been done (assisted natural regeneration). Those areas are checked now and then and replanted where necessary.</p>		
<p><b>B.1.4. Incidents</b> (EB 70 Annex 3; § 225 a, 226)</p> <p><i>Identify if there have been any significant incidents, deviant operation modes and / or downtimes of the equipment?</i></p> <p><i>Consider e.g. interviews with operational personnel, operational log sheets, analysis of performance data.</i></p>	<p>/IM01/ /IM02/ /IM03/ /IM04/ /FOTO/ /SP/</p>	<p><i>Description:</i> No significant incidents in terms of operation and management and protection have been taken place.</p> <p><i>Verifier’s action:</i> During the site visit interviews with local forest staff was performed. Further projects sites have been visited to verify that implemented protection measures were successful. For the audit team it was visible the difference between sites without protection (non-project sites) and protected sites /FOTO/.</p> <p><i>Conclusion:</i> No significant incidents have been identified that could affect the applicability of the methodology or the implementation of the project activity.</p>	OK	OK
<p><b>B.1.5. Legislation</b></p> <p>Find out – esp. in the context of methodological requirements - whether relevant legislation with effect</p>	<p>/IM02,3/ /LEG/</p>	<p><i>Description:</i></p> <p>The latest available Legal Acts on forest pastures and protected areas by Ministry of Environment, Forestry and Water</p>	OK	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p>on the project activity in the host country has been changed.</p> <p>Assess, in case of changes, whether consequences for the PA with regard to relevant CDM requirements have been accounted for.</p> <p>In case of changes data sources shall be referenced.</p>		<p>administration, Tirana 2008 has been reviewed and discussed. The act included revision of the forest law from 2005, 2006, 2007, 2008.</p> <p>No significant changes in forest law that would have impacted the project activity or baseline situation have been identified.</p> <p>The only significant change to the project activity was the transfer of forest land title from the state to the communes. As described above the communes hold either the land use rights or the ownership rights. During communism in Albania until 1990 all forest land was state owned. In 2008 the process started to transfer the land back to private owners and communes. The decentralisation shall help the sustainable management of the natural recourses.</p> <p><i>Verifier's action:</i></p> <p>Legal Acts on forest pastures and protected areas by Ministry of Environment, Forestry and Water administration, Tirana 2008 /LEG/ has been reviewed. And forest experts have been interviewed /IM02,3/.</p> <p><i>Conclusion:</i></p> <p>The impact of the land title change has been discussed in section 1.1. No other changes in forest legislation has been identified that would have impacted the project activity.</p>		
<p><b>B.1.6. Open issues from validation</b> <b>-(EB 70 Annex 3; § 213)</b></p> <p><i>Check (esp. in case of 1<sup>st</sup> periodic verification)</i></p>	<p>/VAL/ /TITLE/ /AGM-3/</p>	<p><input type="checkbox"/> There were no open issues addressed in the validation report</p> <p><input checked="" type="checkbox"/> All open issues from the validation have been</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
whether there are any open issues indicated in the validation report (e.g. FAR)?		<p>appropriately addressed.</p> <p><input type="checkbox"/> The following issues related to the validation have not yet been appropriately addressed:</p> <p><i>FAR opened during Validation: "Monitoring of contracts with land owners on control over land and carbon rights necessary during monitoring period (prior to each certification)."</i></p> <p>All contracts have been reviewed that cover the land use rights and the carbon rights. For each of the 24 communes that are involved in the project activity the /TITLE/ has been reviewed during the site visit. The document (a governmental decision) lists all land parcels that have been transferred from government to the communes. All project parcels could be identified as transferred. Further an agreement exists /AGM-3/ that deals with the control over land for the project lifetime and the carbon rights. The ministry and each of the 24 communes signed this agreement clarifying the use of the parcel and the distribution of the carbon rights.</p> <p>The verification team checked the documents /TITLE/ and /AGM-3/ and found all of them duly signed.</p> <p>It can be concluded that the land ownership, use and rights to carbon credits are fully transparent and clarified between the parties involved. The FAR from validation is closed.</p>		
<b>B.1.7. Open issues from previous verification</b>	/VER/	<p><input checked="" type="checkbox"/> There were no open issues addressed in the previous verification report</p> <p><input type="checkbox"/> All open issues from the previous verification have been</p>	OK	OK

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Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.											
<p>-(EB 70 Annex 3; §§ 213; 284 h)</p> <p>Check in case of further periodic verifications whether there are any open issues indicated in previous verification reports (FAR) and take into consideration the guidance as specified in VVS.</p>		<p>appropriately addressed.</p> <p><input type="checkbox"/> The following issues related to the previous verification have not yet been appropriately addressed:</p>													
B.2. Post registration changes															
B.2.1. Are post registration changes applicable to the proposed project activity?		<p><input type="checkbox"/> No, by means of site visit, document check and interview it could be verified that the project is implemented and operated in line with the registered PDD and the applied methodology. (Please proceed with section C)</p> <p><input checked="" type="checkbox"/> Yes, post registration changes have been identified and are assessed in detail in the subsequent steps. (Please proceed with B.2.2.)</p>	OK	OK											
B.2.2. Temporary deviations from the registered monitoring plan or applied methodology (TDfrMP; TDfMM)  (EB 66 Annex 20, B.2.1; EB 70 Annex 3; §§ 251 - 256))  Indicate whether any temporary deviations have been applied during this monitoring periods. In cases where approval has been sought from the EB please provide reference. If applied, provide a description of the deviation(s).	/MR/ /unfccc/ /PRC/	<table><tr><td><input type="checkbox"/></td><td colspan="3">No TDfrMP or TDfMM have been submitted to the UNFCCC prior to the current monitoring period</td></tr><tr><td rowspan="2"><input checked="" type="checkbox"/></td><td colspan="3">The following TDfrMP or TDfMM have been approved or are under approval by the UNFCCC</td></tr><tr><td>1</td><td>Title</td><td>Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).</td></tr></table>	<input type="checkbox"/>	No TDfrMP or TDfMM have been submitted to the UNFCCC prior to the current monitoring period			<input checked="" type="checkbox"/>	The following TDfrMP or TDfMM have been approved or are under approval by the UNFCCC			1	Title	Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).	OK	OK
<input type="checkbox"/>	No TDfrMP or TDfMM have been submitted to the UNFCCC prior to the current monitoring period														
<input checked="" type="checkbox"/>	The following TDfrMP or TDfMM have been approved or are under approval by the UNFCCC														
	1	Title	Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).												

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Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.																
<p><i>This should include the reasons for the deviation(s), how it deviates from the monitoring plan and/or applied methodology(ies), the duration for which the deviation(s) is(are) applicable and justification on the conservativeness of the approach. Indicate if the deviation will lead to a removal in the accuracy and if so, which conservative assumptions and discount factors have been applied.</i></p> <p><i>For deviation(s) that require prior approval by the Board, include the date of approval and reference number.</i></p>		<table border="1"> <tr> <td rowspan="3"></td> <td>Status</td> <td><input type="checkbox"/> under approval; <input checked="" type="checkbox"/> approved</td> </tr> <tr> <td>Appr.date</td> <td>12/11/2012</td> </tr> <tr> <td>Ref. No.</td> <td>PRC-2714-001</td> </tr> <tr> <td rowspan="4">2</td> <td>Title</td> <td></td> </tr> <tr> <td>Status</td> <td><input type="checkbox"/> under approval; <input type="checkbox"/> approved</td> </tr> <tr> <td>Appr.date</td> <td></td> </tr> <tr> <td>Ref.No.</td> <td></td> </tr> </table>		Status	<input type="checkbox"/> under approval; <input checked="" type="checkbox"/> approved	Appr.date	12/11/2012	Ref. No.	PRC-2714-001	2	Title		Status	<input type="checkbox"/> under approval; <input type="checkbox"/> approved	Appr.date		Ref.No.			
				Status	<input type="checkbox"/> under approval; <input checked="" type="checkbox"/> approved															
				Appr.date	12/11/2012															
			Ref. No.	PRC-2714-001																
		2	Title																	
			Status	<input type="checkbox"/> under approval; <input type="checkbox"/> approved																
			Appr.date																	
			Ref.No.																	
		<input checked="" type="checkbox"/> During the verification of the current MP no need for a TDfrMP or TDfMM has been identified. The monitoring plan is in accordance with the approved methodology applied by the PA																		
		<input type="checkbox"/> An approval of the following TDfrMP or TDfMM is to be requested from the EB for the current MP as appendix 1 of the project standard does not apply.																		
		<table border="1"> <tr> <td>1</td> <td>Issue:</td> <td></td> </tr> <tr> <td>2</td> <td>Issue:</td> <td></td> </tr> </table>	1	Issue:		2	Issue:													
		1	Issue:																	
		2	Issue:																	
		<input type="checkbox"/> The following TDfrMP or TDfMM for which appendix 1 of the PS is applicable have been applied:																		
		<table border="1"> <tr> <td>1</td> <td>Issue:</td> <td></td> </tr> <tr> <td>2</td> <td>Issue:</td> <td></td> </tr> </table>	1	Issue:		2	Issue:													
1	Issue:																			
2	Issue:																			

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.														
		<p><i>In cases of approved TDfrMP or TDfM the EB guidance has been applied as follows:</i></p> <p>Request for approval on application of 20 % precision to calculate the sample size for Albania Project in compliance of the paragraph 11 of the AR WG 28 (paragraph 37, EB55).</p> <p>In this context the following findings have been identified:</p> <p>N/A</p>																
<p><b>B.2.3. Corrections</b> <b>(EB 66 Annex 20, B.2.2)</b></p> <p><i>Indicate whether any corrections to project information or parameters fixed at validation have been approved during this monitoring period or submitted with this monitoring report.</i></p> <p><i>In cases where the correction(s) and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, provide the approval date and reference number. Otherwise, provide the version number and the completion date of the revised PDD.</i></p> <p><i>Please check and report that the corrected information is an accurate reflection of the actual project information and that the corrected parameters are in accordance with the applied methodology and the monitoring plan.</i></p>	/PDD/ /MR/	<table><tr><td><input checked="" type="checkbox"/></td><td colspan="3">During the verification of the current MP no need for corrections has been identified.</td></tr><tr><td rowspan="3"><input type="checkbox"/></td><td colspan="3">The following corrections have been applied:</td></tr><tr><td>1</td><td>Issue:</td><td></td></tr><tr><td>2</td><td>Issue:</td><td></td></tr></table> <p><i>Detailed description and justification each correction:</i></p> <p>In this context the following findings have been identified:</p> <p>B.2.4 table 3: It has not sufficiently described under “Applicability</p>	<input checked="" type="checkbox"/>	During the verification of the current MP no need for corrections has been identified.			<input type="checkbox"/>	The following corrections have been applied:			1	Issue:		2	Issue:		CAR B1	OK
<input checked="" type="checkbox"/>	During the verification of the current MP no need for corrections has been identified.																	
<input type="checkbox"/>	The following corrections have been applied:																	
	1	Issue:																
	2	Issue:																

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.																																		
		to the project” what are the exact changes made in this project activity.																																				
<div><b>B.2.4. Permanent changes from the registered monitoring plan or applied methodology (PCfrMP; PCfMM)</b> <b>(EB 66 Annex 20, B.2.3)</b></div> <div><i>Indicate whether any permanent changes from the registered monitoring plan or applied methodologies have been approved during this monitoring period or submitted with this monitoring report.</i></div> <div><i>In cases where the change(s) and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, provide the approval date and reference number. Otherwise, provide the version number and the completion date of the revised PDD.</i></div>	/PDD/ /MR/	<table><tr><td><input checked="" type="checkbox"/></td><td colspan="3">No PCfrMP or PCfMM have been submitted to the UNFCCC prior to the current monitoring period</td></tr><tr><td rowspan="8"><input type="checkbox"/></td><td colspan="3">The following PCfrMP or PCfMM have been approved or are under approval by the UNFCCC</td></tr><tr><td rowspan="4">1</td><td>Title</td><td></td></tr><tr><td>Status</td><td><input type="checkbox"/> under approval; <input type="checkbox"/> approved</td></tr><tr><td>Appr.date</td><td></td></tr><tr><td>Ref. No.</td><td></td></tr><tr><td rowspan="4">2</td><td>Title</td><td></td></tr><tr><td>Status</td><td><input type="checkbox"/> under approval; <input type="checkbox"/> approved</td></tr><tr><td>Appr.date</td><td></td></tr><tr><td>Ref.No.</td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td colspan="3">During the verification of the current MP no need for a PCfrMP or PCfMM has been identified. The monitoring plan is in accordance with the approved methodology applied by the PA</td></tr><tr><td><input type="checkbox"/></td><td colspan="3">An approval of the following PCfrMP or PCfMM is to be requested from the EB for the current MP as appendix 1 of the project standard does not apply.</td></tr></table>	<input checked="" type="checkbox"/>	No PCfrMP or PCfMM have been submitted to the UNFCCC prior to the current monitoring period			<input type="checkbox"/>	The following PCfrMP or PCfMM have been approved or are under approval by the UNFCCC			1	Title		Status	<input type="checkbox"/> under approval; <input type="checkbox"/> approved	Appr.date		Ref. No.		2	Title		Status	<input type="checkbox"/> under approval; <input type="checkbox"/> approved	Appr.date		Ref.No.		<input checked="" type="checkbox"/>	During the verification of the current MP no need for a PCfrMP or PCfMM has been identified. The monitoring plan is in accordance with the approved methodology applied by the PA			<input type="checkbox"/>	An approval of the following PCfrMP or PCfMM is to be requested from the EB for the current MP as appendix 1 of the project standard does not apply.			OK	OK
<input checked="" type="checkbox"/>	No PCfrMP or PCfMM have been submitted to the UNFCCC prior to the current monitoring period																																					
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	1	Title																																				
		Status	<input type="checkbox"/> under approval; <input type="checkbox"/> approved																																			
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		Appr.date																																				
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Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.																		
		<table><tr><td></td><td>1</td><td>Issue:</td><td></td></tr><tr><td></td><td>2</td><td>Issue:</td><td></td></tr><tr><td rowspan="3"><input type="checkbox"/></td><td colspan="3">The following PCfrMP or PCfMM for which appendix 1 of the PS is applicable have been applied:</td></tr><tr><td>1</td><td>Issue:</td><td></td></tr><tr><td>2</td><td>Issue:</td><td></td></tr></table> <p><i>In cases of approved PCfrMP or PCfMM the EB guidance has been applied as follows:</i></p> <p><i>Detailed description and justification each TDfrMP or TDfM for which appendix 1 is applicable:</i></p> <p>In this context the following findings have been identified: N/A</p>		1	Issue:			2	Issue:		<input type="checkbox"/>	The following PCfrMP or PCfMM for which appendix 1 of the PS is applicable have been applied:			1	Issue:		2	Issue:			
	1	Issue:																				
	2	Issue:																				
<input type="checkbox"/>	The following PCfrMP or PCfMM for which appendix 1 of the PS is applicable have been applied:																					
	1	Issue:																				
	2	Issue:																				
<b>B.2.5. Changes to the project design of the registered project activity (CoPD)</b>	/PDD/ /MR/	<table><tr><td><input checked="" type="checkbox"/></td><td colspan="3">No CoPD has been submitted to the UNFCCC prior to</td></tr></table>	<input checked="" type="checkbox"/>	No CoPD has been submitted to the UNFCCC prior to			OK	OK														
<input checked="" type="checkbox"/>	No CoPD has been submitted to the UNFCCC prior to																					

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<p><b>(EB 66 Annex 20, B.2.4)</b></p> <p><i>Indicate whether any changes to the project design of the project activity have been approved during this monitoring period or submitted with this monitoring report.</i></p> <p><i>In cases where the change(s) and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, provide the approval date and reference number. Otherwise, provide the version number and the completion date of the revised PDD.</i></p>		the current monitoring period		
		<input type="checkbox"/> The following CoPD has been approved or are under approval by the UNFCCC		
		1 Title		
		Status <input type="checkbox"/> under approval; <input type="checkbox"/> approved		
		Appr.date		
		Ref. No.		
		2 Title		
		Status <input type="checkbox"/> under approval; <input type="checkbox"/> approved		
		Appr.date		
		Ref.No.		
		<input checked="" type="checkbox"/> During the verification of the current MP no need for a CoPD has been identified. The monitoring plan is in accordance with the approved methodology applied by the PA		
		<input type="checkbox"/> An approval of the following CoPD.is to be requested from the EB for the current MP as appendix 1 of the project standard does not apply.		
		1 Issue:		
		2 Issue:		



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.									
		<table><tr><td><input type="checkbox"/></td><td colspan="2">The following CoPD for which appendix 1 of the PS is applicable have been applied:</td></tr><tr><td>1</td><td>Issue:</td><td></td></tr><tr><td>2</td><td>Issue:</td><td></td></tr></table> <p><i>In cases of approved CoPD the EB guidance has been applied as follows:</i></p> <p><i>Detailed description and justification each CoPD for which appendix 1 is applicable:</i></p> <p>In this context the following findings have been identified: N/A</p>	<input type="checkbox"/>	The following CoPD for which appendix 1 of the PS is applicable have been applied:		1	Issue:		2	Issue:			
<input type="checkbox"/>	The following CoPD for which appendix 1 of the PS is applicable have been applied:												
1	Issue:												
2	Issue:												
B.2.6. Types of changes specific to AR project activities	/PDD/ /MR/ /AR-AM4/	All changes in the PDD and monitoring plan belong to specific types of changes of AR project activities as per EB 66 Annex 24. They have been completely listed in section B.2.6 of the MR. An assessment of these PRC can be found in annex 3 of this document.	OK	OK									
C. Description of monitoring system													

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.		
<b>C.1. Monitoring Plan – PDD Compliance (EB 70 Annex 3, § 233-236)</b>  <i>Check if the monitoring plan is in accordance with the monitoring plan contained in the registered PDD (or any accepted revised MP).</i>  <i>Please check esp. if</i> <ul style="list-style-type: none"><li>- all parameters stated in the MP of the registered PDD have been monitored and updated as applicable</li><li>- the monitoring equipment has been controlled and calibrated as per the MP</li><li>- the monitoring results are consistently recorded as per the approved frequency</li><li>- QA/QC procedures have been applied in accordance with the MP</li></ul>	/MR/ /PDD/	By means of comparison of the MR with the registered PDD (or any revisions thereof) the verification team has checked whether the MP is in compliance with the registered PDD. The outcome is as follows: <table><tr><td><input checked="" type="checkbox"/></td><td>The MP is completely in accordance with the last registered/approved version of the PDD / MP taking into account A/R specific types of changes</td></tr></table>  In this context the following findings have been identified:  A CAR C1 to complete the description in the MR has been opened.	<input checked="" type="checkbox"/>	The MP is completely in accordance with the last registered/approved version of the PDD / MP taking into account A/R specific types of changes	CAR C1	OK
<input checked="" type="checkbox"/>	The MP is completely in accordance with the last registered/approved version of the PDD / MP taking into account A/R specific types of changes					
<b>C.2. Monitoring Plan – Meth Compliance (EB 70 Annex 3, § 229-232)</b>  <i>Check if the monitoring plan is in accordance with the applied methodology.</i>  <i>In case the methodology references applicable tools it has to be ensured that the MP is also compliant with those tools.</i>  <i>Also please specify if monitoring aspects have been</i>	/MR/ /PDD/ /AR-AM3/	By means of comparison of the MR with the applied CDM methodology and related tools the verification team has checked whether the MP is in compliance with the MP related requirements of the applied methodology. The outcome is as follows: <table><tr><td><input checked="" type="checkbox"/></td><td>The MP is completely in accordance with the approved methodology applied by the CDM project (last registered/approved version of the PDD) and changes as per EB 66 Annex 24 and EB 63 Annex 26.</td></tr></table>	<input checked="" type="checkbox"/>	The MP is completely in accordance with the approved methodology applied by the CDM project (last registered/approved version of the PDD) and changes as per EB 66 Annex 24 and EB 63 Annex 26.	OK	OK
<input checked="" type="checkbox"/>	The MP is completely in accordance with the approved methodology applied by the CDM project (last registered/approved version of the PDD) and changes as per EB 66 Annex 24 and EB 63 Annex 26.					

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>identified that are not specified in the methodology but may enhance the level of accuracy and completeness of the monitoring plan – this esp. applies for SSC PAs.</i>		<input checked="" type="checkbox"/> The MP is completely in accordance with the applied tools which the methodology references. A breakdown of the referenced tools is as follows:		
		1 Title (of the tool) <i>Tool for testing significance of GHG emissions in A/R CDM project activities (not applicable any longer at time of RfI)</i>		
		Version 1		
		MP compliance <input checked="" type="checkbox"/> full compliance <input type="checkbox"/> findings have been raised <input type="checkbox"/> N/A (for MP)		
		2 Title (of the tool) <i>Demonstrating appropriateness of allometric equations for estimation of aboveground tree biomass in A/R CDM project activities</i>		
		Version 1.1		
		MP compliance <input checked="" type="checkbox"/> full compliance <input type="checkbox"/> findings have been raised <input type="checkbox"/> N/A (for MP)		
		3 Title (of the tool) <i>Calculation of the number of sample plots for measurements within A/R</i>		

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.												
		<table><tr><td></td><td></td><td></td><td>CDM project activities</td></tr><tr><td></td><td></td><td>Version</td><td>2.1.0</td></tr><tr><td></td><td></td><td>MP compliance</td><td><input checked="" type="checkbox"/> full compliance <input type="checkbox"/> findings have been raised <input type="checkbox"/> N/A (for MP)</td></tr></table> <p>Further the Combined tool to identify the baseline scenario and demonstrate additionality in A/R CDM project activities and the procedures to demonstrate the eligibility of lands for A/R CDM project actives have been applied during validation.</p> <p>In this context the following findings have been identified:</p> <p>Regarding aspects that are not specified in the methodology the following issues have been identified which may enhance the level of accuracy and completeness of the MP:</p> <p>N/A</p>				CDM project activities			Version	2.1.0			MP compliance	<input checked="" type="checkbox"/> full compliance <input type="checkbox"/> findings have been raised <input type="checkbox"/> N/A (for MP)		
			CDM project activities													
		Version	2.1.0													
		MP compliance	<input checked="" type="checkbox"/> full compliance <input type="checkbox"/> findings have been raised <input type="checkbox"/> N/A (for MP)													
<b>C.3. Management System</b> <b>(EB 70 Annex 3, § 217 (iii))</b>  <i>Check if the GHG data monitoring system can be assessed as appropriate.</i>  <i>In case reference is made to a (certified) company quality management system, check if all CDM related monitoring procedures have been fully integrated in</i>	/SOP/ /IM02/	<i>Description:</i> The project is embedded in the management of the NRDP Natural Resource Development Project by the MoEFWA Ministry of the Environment, Forests and Water Administration. Standard operating procedures of the Ministry are followed. The NRDP has an office in Tirana from where all project related issues are coordinated and all project related documents are saved and recorded.  <i>Verifier’s action:</i> SOPs have been reviewed and interviews with NRDP responsible have been carried out.	CAR C1	OK												

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>the project participant's quality management system.</i></p> <p><i>In case of a stand-alone system, check how the GHG management system has been implemented and effectiveness is ensured.</i></p>		<p><i>Conclusion:</i> The project management system is embedded in governmental procedures that are clearly defined and have to be followed.</p> <p>CAR C1: Section C is not updated to the actual circumstances of the project (especially first paragraph).</p>		
<p><b>C.4. Metering diagram</b> (EB 66 Annex 20, C; EB 70 Annex 2 §190)</p> <p><i>Check first if the MR includes a metering diagram showing all relevant monitoring points.</i></p> <p><i>Check further if this diagram reflects the actual situation and is in line with the registered PDD and with the requirements of the applied methodology.</i></p>	/MR/	<p><i>Description:</i> No metering diagram has been included in this section.</p> <p><i>Verifier's action:</i> Review of MR.</p> <p><i>Conclusion:</i></p> <p>CAR C1: A metering diagram is missing showing all important measurement points (sample design).</p>	CAR C1	OK
<p><b>C.5. Roles and Responsibilities</b> (EB 66 Annex 20, C; EB 70 Annex 2 §190)</p> <p><i>Check if all roles and positions of each person in the GHG data management process are clearly defined and implemented as stated in the monitoring plan. Please consider the complete data trail from raw data generation to submission of the final data.</i></p> <p><i>Identify, if relevant personnel w.r.t. monitoring has been exchanged?</i></p>	/SOP/ /TR-1/ /TR-2/ /MR/	<p><i>Description:</i> There are three entities involved in the monitoring of the project activity.</p> <p>(1) NRDP (at national level)</p> <p>(2) DFS District Forest Service (at district level)</p> <p>(3) FPUA Forest and Pasture User Association (at communal level).</p> <p>The NRDP is the PIU (Project Implementation Unit) and coordinating entity doing implementation and monitoring supervision and planning, data aggregation and storage, data</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>If so, have appropriate training measures been carried out.</i></p> <p><i>In case of changes, assure that the implemented monitoring procedures have not been affected.</i></p>		<p>entry (QAQC), calculations of tCERs and training.</p> <p>Trained Forest Engineers from the DFS together with trained people from the FPUA are carrying out the monitoring of the sample plots and leakage surveys. Thus communes and district staff is involved in the measurements.</p> <p>The QAQC of the measurements is done by the project coordinator who belongs partly to NRDP and DFS. This person did 10% re-measurements of the sample plots.</p> <p>During lifetime of the project the project coordinator at NRDP level has been changed twice due to internal circumstances not affecting the project as such. The new hired persons have in both cases well introduced to the project, trained and have the capacities as Forest Engineers to be assigned for this task.</p> <p><i>Verifier's action:</i> Interviews have been performed/IM02,3,4/, monitoring records and role definitions have been reviewed. QAQC records have been checked.</p> <p><i>Conclusion:</i> Roles and responsibilities are clearly determined for the project activity. All assigned people have the necessary capacities to perform their tasks. All people involved in the monitoring have been duly supervised and trained.</p>		
<p><b>C.6. Emergency procedures for the monitoring system</b> (EB 54 Annex 34, C; EB 70 Annex 2 §190)</p> <p><i>Check, as appropriate, whether relevant emergency</i></p>	/IM03/ /QAQC/	<p><i>Description:</i> In forest monitoring there is normally no emergency expected as measurements can be repeated every time as tree growth is very slow. In case of wrong measurements during sampling is observed the measurements are repeated.</p> <p><i>Verifier's action:</i> Interviews with management have been done</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.				
<i>procedures for the monitoring system have been included in the MR and assess whether these procedures have been implemented, when required</i>		and QAQC procedures have been checked.  <i>Conclusion:</i> Emergency situations as such do not exist. Duly implemented quality control is in place and will detect sampling errors and determines respective re-measurements if necessary.						
<b>C.7. Data archive and data protection (EB 70 Annex 2 §56 b)</b>  Check whether all records of monitoring parameters are archived according to the monitoring plan.  Assess further whether appropriate measures have been taken in order to avoid unintended or intended manipulation or loss of the measured data.	/IM01-3/	<i>Description:</i> All data and records and contracts are stored in Tirana NRDP head office. These may be copies (of contracts) and original documents form measurements in paper format.  Further all monitoring data are also saved in a hard disk and on the projects own computer. Data can only be changed with a password. No non-authorized person has access to the database.  <i>Verifier´s action:</i> Visit to the head office of NRDP in Tirana. Review of paper documents and softcopy saved database.  <i>Conclusion:</i> Data are duly archived at project management level and protected from non-authorized used.	OK	OK				
<b>D. Data and parameters</b>								
<b>D.1. Data and Parameters fixed ex ante</b>								
<b>a) Compliance with registered PDD (EB66 Annex 20; D1)</b>  <i>Check whether the value applied is in compliance</i>	/MM/  /PDD/	<i>Description:</i> <table><tr><td>C<sub>BSL</sub></td><td>Baseline net GHG</td><td>6249.88 tCO2</td><td>Correct as</td></tr></table>	C <sub>BSL</sub>	Baseline net GHG	6249.88 tCO2	Correct as	OK	OK
C <sub>BSL</sub>	Baseline net GHG	6249.88 tCO2	Correct as					

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)				Draft Concl.	Final Concl.
with the registered PDD.			removal by sink		per PDD		
		R <sub>j</sub>	Root-shoot ratio	0.35	Correct as per PDD		
		CF <sub>j</sub>	Carbon fraction	0.5 tC	Correct as per PDD		
		p	Precision level	20%	Correct as per PRC		
		CI	Confidence level	90%	Correct as per PRC		
		44/12	Ration of molecular weights of carbon and CO2	44/12	Correct as per PDD		
		XF	Plot expansion factor	50	Correct as per PDD		
		Za/2	Value of statistics	1.645	Correct as per PDD		
		Verifier's action: Compare MR and excel calculations with PDD.					
		Conclusion: The fixed ex-ante values are correct in MR and applied in calculations.					



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.			
<p><b>b) Compliance with the applied methodology (EB66 Annex 20; D1)</b></p> <p>Check whether the value applied is in compliance with the applied methodology or any other tool.</p>	/MM/ /PDD/	Description:		OK	OK		
		C <sub>BSL</sub>	Baseline net GHG removal by sink			6249.88 tCO2	Correct as per meth
		R <sub>j</sub>	Root-shoot ratio			0.35	Correct as per Meth
		CF <sub>j</sub>	Carbon fraction			0.5 tC	Correct as per Meth
		p	Precision level			20%	Correct as per PRC
			Confidence level			90%	Correct as per PRC
		44/12	Ration of molecular weights of carbon and CO2			44/12	Correct as per Meth
		XF	Plot expansion factor			50	Correct as per Meth
		Za/2	Value of statistics			1.645	Correct as per Meth
		Verifier's action: Compare MR and excel calculations with Methodology.					
Conclusion: The fixed ex-ante values are correct. Incline with the AR CDM guidelines IPCC default values have been applied							

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Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.								
D.2. Data and Parameters monitored												
D.2.1. $A_i$ , $A$ , $A_{ikt}$		A: Total size of all strata $A_i$ : Area of stratum i $A_{ikt}$ : Area of stratum I, stand model k at time t										
a) Measurement / Determination method (EB 70 Annex 3, § 233, 236)  Describe how the monitoring parameter was measured / determined.  Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.  Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.	/IM01-3/ /PDD/ /AR-AM3/ /GPS/ /GIS/	Description:  Project area as per PDD: 6,272.36 ha  Project area as per MR: <b>4,779.00 ha</b> (after cleaning area from roads and rocky areas of 1492.36 ha).  Project area implemented at verification: 3,990.45 ha  Project area to be implemented: 788.55 ha  This parameters are described together as only one stratum has been defined for sampling and for all the area the same tree stand models are applied.  Nevertheless the area has been divided ex-ante in 4 ecozones: <table><tr><td>Ecozone 1</td><td>756,44 ha</td></tr><tr><td>Ecozone 2</td><td>1.218,43 ha</td></tr><tr><td>Ecozone 3</td><td>1.698,48 ha</td></tr><tr><td>Ecozone 4</td><td>317,10 ha</td></tr></table>  Those ecozones play a role when calculating from average tonnes C per ha to tonnes C per stratum area. This step is a simple form of stratification to improve precision of the results,	Ecozone 1	756,44 ha	Ecozone 2	1.218,43 ha	Ecozone 3	1.698,48 ha	Ecozone 4	317,10 ha	OK	OK
Ecozone 1	756,44 ha											
Ecozone 2	1.218,43 ha											
Ecozone 3	1.698,48 ha											
Ecozone 4	317,10 ha											

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>rather than only assuming one equal area. The project area has been precisely determined by using ArcGIS software by digitalizing satellite images. These tools have been used to identify the final project area (implemented + not yet implemented) by taking out areas that are not able to store any carbon like rocky areas and roads.</p> <p><i>Verifier's action:</i> The verification team checked the GIS shape files with satellite images and did crosscheck GPS points taken at chosen border points in the field. Further maps have been printed and could be compared to actual situation in the field.</p> <p><i>Conclusion:</i> The determination of project area has been done with help of state of the art technology, widely accepted for forest inventory measurement. The precision can be determined as very high as crosschecks with GPS and GIS maps have been shown. The area determination for all three parameters is in accordance with best forest practice.</p>		
<p><b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b></p> <p><i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures</i></p>	<p>/CAL/ /MM/ /GPS/ /GIS/</p>	<p><i>Description:</i> The precision of using ArcGIS software and satellite images to identify the project area can be seen as most accurate possible today.</p> <p>The project boundary delineation has been done on desk. The field teams did further check the boundaries in the field. By using satellite images error in delineation of project boundaries could also be detected by the GIS expert.</p> <p><i>Verifier's action:</i> crosschecks with GPS and GIS maps, satellite images and observations in the field</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.		Conclusion: The determination of project area has been done with help of state of the art technology, widely accepted for forest inventory measurement. The precision can be determined as very high as crosschecks with GPS and GIS maps have been shown. The area determination for all three parameters is in accordance with best forest practice.		
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> Determine whether the value given in the monitoring report is correct or determined in a conservative manner. In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given. In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.	/MR/ /XLS/	<input type="checkbox"/> Correct <input checked="" type="checkbox"/> Not correct (initial assessment) Description: MR values are not updated to the latest figures.  Verifier's action:  Conclusion: CAR D1 has been opened.	<b>CAR D1</b>	OK
<b>D.2.2. AP</b>		<b>Sample plot area</b>		
<b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b> Describe how the monitoring parameter was measured / determined. Check if relevant equipment has been exchanged	/IM02/ /IM03/ /PDD/ /MR/	Description: The sample plot area has been determined with 200m <sup>2</sup> and a conversion factor of 50 is applied to convert into ha (10,000m <sup>2</sup> ). In the field in case of slopes the circular plot is corrected by the slop to ensure 200m <sup>2</sup> of plot area.	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>		<p><i>Verifier's action:</i> During field visit it could be observed that the sample plot area of 200m<sup>2</sup> was applied. With a Vertex the slope has been measured and with the use of a conversion table the applicable radius for each plot has been calculated.</p> <p><i>Conclusion:</i> The plot area has been determined in an adequate manner for the type of project. The choice of 200m<sup>2</sup> fits to the age of the young stand. The approach is in compliance with the methodology.</p>		
<p><b>b) Accuracy and QA/QC Procedure (EB 70 Annex 3, §§ 237-241)</b></p> <p><i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i></p>	/ACC/	<p><i>Description:</i> A Vertex III measurement device for tree heights and slope has been used to determine the slope. This equipment is standard in forest inventory with adequate accuracy. Further a metal tape has been used to measure the plot radius.</p> <p>The Vertex is calibrated before each use in the field. The Metal tape has been checked for accuracy with another tape before starting measurements.</p> <p><i>Verifier's action:</i> The verifier could observe the correct use of the Vertex and could follow the calibration procedure in the field.</p> <p><i>Conclusion:</i> The determination of sample area in the field has been done as per best forest practice and with adequate precision.</p>	OK	OK
<b>c) Correctness</b>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment)	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<b>(EB 70 Annex 3, §§ 233, 236)</b> Determine whether the value given in the monitoring report is correct or determined in a conservative manner. In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given. In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.	/XLS/ /VISIT/	Description: Determination of sample area in MR, calculations and field is correct.  Verifier's action: MR and calculations have been checked and measurement observed in the field.  Conclusion: The parameter is overall correct and as per best forest practice.		
<b>D.2.3. Latitude/longitude of sample plot location</b>		<b>Location of sample plots</b>		
<b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b> Describe how the monitoring parameter was measured / determined. Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements. Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.	/IM01-3/ /PDD/ /AR-AM3/	Description: For localization of the coordinates in the field, two GPS (etrex) have been used, to verify the location. The centre point has than been marked with a metal pole and can be detected later using a metal detector. Both GPS have been harmonized to the same set-ups (WTG 84 coordinate system) before usage in the field. For more details on the determination of sample points follow section A of this checklist.  Verifier's action: The validation team joined the re-measurements and could verify the localization of the sample points. Apart from the selection procedure the localization and fixation has been done as per common forest inventory practice.	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<i>Conclusion:</i> The localization of sample points in the field has been done accurate as per best forest practice.		
<b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b>  <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i>  <i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i>	/CAL/ /MM/	<i>Description:</i> The accuracy of a GPS device is much depended on the availability of satellites at that moment of measurement. Thus the field teams spend some minutes waiting for best precision (1-2m of error) until they fixed the point in the field with a metal post.  The project coordinator when doing 10% re-measurement also checked the location of the plots. He did not detect an error on this.  <i>Verifier's action:</i> The verification team could observe the handling of GPS in the sample plots. Re-measurement results have been checked.  <i>Conclusion:</i> All possible has been done by the measurement teams to reduce the error of GPS measurement. A certain error up to 10m is common for standard GPS technique. The one used in this project has a far lower error than usual. QAQC procedure showed precise location of plots.	OK	OK
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b>  <i>Determine whether the value given in the monitoring report is correct or determined in a conservative</i>	/MR/	<input type="checkbox"/> Correct <input checked="" type="checkbox"/> Not correct (initial assessment)  <i>Description:</i> In one case it was detected during audit that a plot coordinate has been erroneously entered in the GPS, thus a wrong plot has been measured. This mistake has been	CAR D5	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>manner.</i></p> <p><i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i></p> <p><i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i></p>		<p>corrected the same day and new measurement results have been presented to the DOE that could be verified as plausible.</p> <p><i>Verifier's action:</i> Checking coordinates generated by the sampling approach with coordinates entered in GPS.</p> <p><i>Conclusion:</i> A CAR has been opened to correct the measurement and following mistakes in the database. This error was a unique one as the other plot coordinates have been crosschecked by the GIS expert again.</p>		
<b>D.2.4. DBH</b>		<b>Diameter at breast height of living trees</b>		
<p><b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b></p> <p><i>Describe how the monitoring parameter was measured / determined.</i></p> <p><i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>	<p>/IM01-3/ /PDD/ /ARACM 4/</p>	<p><i>Description:</i></p> <p>The DBH is measured as per common forest inventory practice at 1,30m from the ground considering given local circumstances. The DBH is measured using a calliper. A diameter tape is not yet used as the small tree diameter does not allow for the use of a diameter tape, yet. All trees above 2 cm in diameter have been considered for the measurement and volume calculations.</p> <p><i>Verifier's action:</i></p> <p>During site visit the verification team observed the correct measurement of the diameter. The data from the re-measurements have been cross-checked with first measurements and no significant differences have been detected.</p>	OK	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<i>Conclusion:</i> The DBH has been correctly measured as per good practice. The error remained below 5% as allowed by the methodology.		
<b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b> <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i> <i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i>	/CAL/ /MM/	<i>Description:</i> The field teams have been trained in advance and QAQC re-measurements have been performed. All field teams worked with the same manual.  <i>Verifier's action:</i> Training evidences and material could be checked and results of re-measurements where available to the DOE.  <i>Conclusion:</i> The measurement of the DBH has been performed as per best forest practice.	OK	OK
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i>  <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i>	/MR/	<input type="checkbox"/> Correct <input checked="" type="checkbox"/> Not correct (initial assessment)  <i>Description:</i> The measurement of the DBH has been observed as correct. Nevertheless in the database some trees with <2 cm have been found. Those need to be deleted from the calculations.  <i>Verifier's action:</i> Onsite observation and comparison of measurement /re-measurement and database results.	CAR D5	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i>		<i>Conclusion:</i> CAR D5 has been opened.		
<b>D.2.5. <math>F_j</math>(DBH)</b>		<b>Allometric equations based on DBH</b>		
<p><b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b></p> <p><i>Describe how the monitoring parameter was measured / determined.</i></p> <p><i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>	<p>/IM01-3/ /PDD/ /AR-AM3/ /ALL/</p>	<p><i>Description:</i> An intensive research report to identify best applicable allometric equations has been developed by an external consultant. For the main species of this project allometric equation could be found that are in accordance with the tool EB 65 annex 28 to demonstrate appropriateness of allometric equations. The report is based on published literature and scientific articles.</p> <p>For the following 6 tree species specific equations have been found:</p> <p>Oak (<i>Quercus</i>) NE-Spain n=69 <math>R^2=0.908</math></p> <p>Hornbeams (<i>Carpinus</i>) NE-Spain n=69 <math>R^2=0.908</math></p> <p>Ash (<i>Fraxinus</i>) NE-Italy n=40 <math>R^2=0.97</math></p> <p>Robinia (<i>Robinia</i>) Romania n=36 <math>R^2=0.9272</math></p> <p>Castanea (<i>Castanea</i>) Meditaran n=49 <math>R^2=0.916</math></p> <p>Pine (<i>Pinus</i>) S-France n=56 <math>R^2=0.99</math></p> <p>Other (<i>sp.</i>) generic n=63 <math>R^2=0.88</math></p> <p>For all remaining tree species a generic function for juvenile trees has been applied:</p> <p>Other (<i>sp.</i>) generic n=63 <math>R^2=0.88</math></p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		<p>It is shown for all equations applied that they have been developed in similar edaphoclimatic conditions to Albania with countries in Mediterranean climate like Italy, Spain, Southern France and Romania.</p> <p>As it can be seen above all equations derived from a data set of at least 30 sample trees (n), and the value of coefficient of determination (<math>R^2</math>) obtained was not less than 0.85.</p> <p><i>Verifier's action:</i> The verifier checked the report prepared as well as the original scientific papers where those functions have been published./ALL/</p> <p><i>Conclusion:</i> The allometric equations applied for this project comply with the tool EB 65 annex 28 to demonstrate appropriateness of allometric equations.</p>		
<p><b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b></p> <p><i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures</i></p>	/CAL/ /MM/	<p><i>Description:</i> The accuracy of the equations is proved by the tool. The use of the function has been double checked by two experts when preparing the calculations.</p> <p><i>Verifier's action:</i> The compliance with the tool has been checked. Further the Consultant developing the report has been interviewed during site visit.</p> <p><i>Conclusion:</i> The allometric equations are the most precise</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.		available for the purpose of the project.		
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> Determine whether the value given in the monitoring report is correct or determined in a conservative manner. In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given. In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.	/MR/	<input type="checkbox"/> Correct <input checked="" type="checkbox"/> Not correct (initial assessment) Description: Most of the equations are correctly included in the MR and excel sheet. Nevertheless for Robinia the value “b” has a typo error in the MR and excel sheet and the number of “n” is not correctly cited.  Verifier’s action: Checking /ALL/ with MR and calculation sheet.  Conclusion: CAR D4 has been opened.	CAR D4	OK
<b>D.2.6. j</b>		<b>Tree species j</b>		
<b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b> Describe how the monitoring parameter was measured / determined. Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.	/IM01-3/ /PDD/ /AR-AM3/	Description: Tree species have been determined by forest experts and locals from FPUA during field measurement. In total 49 different tree species have been found as listed in the excel spread sheet.  Verifier’s action: During re-measurements the verifier could observe the correctness of species determination.	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.		Conclusion: Forest experts and local people did the species determination in teams. It can be assumed that they are best experts to do so. During verification no mistakes have been identified.		
<b>b) Accuracy and QA/QC Procedure (EB 70 Annex 3, §§ 237-241)</b>  <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i>  <i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i>	/CAL/ /MM/	Description: The field teams have been trained in advance and QAQC re-measurements have been performed.  Verifier's action: Training evidences and material could be checked and results of re-measurements where available to the DOE.  Conclusion: The determination of tree species was correct.	OK	OK
<b>c) Correctness (EB 70 Annex 3, §§ 233, 236)</b>  <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i>  <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should</i>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment)  Description: The tree species have been correctly determined in the field and later transferred to the database. No errors in this regard have been identified.  Verifier's action: Field measurements have been observed and data and database have been compared	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>be given.</i></p> <p><i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i></p>		<p><i>Conclusion:</i> The trees have been correctly determined and applied in the calculations (allometric equations).</p>		
<b>D.2.7. n</b>		<b>Total number of sample plots</b>		
<p><b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b></p> <p><i>Describe how the monitoring parameter was measured / determined.</i></p> <p><i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>	<p>/IM01-3/ /PDD/ /AR- AM3/</p>	<p><i>Description:</i> The total number of sample plots has been derived from the estimates done in the PDD with 95 sample plots.</p> <p>To check the adequacy of this number a pre-sampling has been carried out to determine the variance and to recalculate the sample size necessary to meet 10% error and 90% confidence interval. As a result the sample size was much higher than expected and due to raising costs for sampling a PRC has been submitted to the UNFCCC prior to the verification to increase the error to 20% at 90% confidence interval.</p> <p>A response from UNFCCC is expected before finally concluding on the sample size.</p> <p>The temporary deviation from the MM and MP has been approved by the board on 2012/11/12.</p> <p><i>Verifier's action:</i> The sample size calculations have been checked.</p> <p><i>Conclusion:</i> The number of sample plots has been correctly determined by applying the tool <i>Calculation of the number of sample plots for measurements within A/R CDM project</i></p>	Open PRC	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		activities.		
<b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b> <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i> <i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i>	/CAL/ /MM/	<i>Description: The tool Calculation of the number of sample plots for measurements within A/R CDM project activities has been applied and after approval by the board the precision level of 20% has been applied with a CI of 90%.</i>  <i>Verifier's action: The calculations have been checked.</i>  <i>Conclusion: Approved precision level has been applied to determine the sample size of the project.</i>	Open PRC	OK
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i> <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i> <i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment) <i>Description: The calculation of sample size is in line with the tool and board decision.</i>  <i>Verifier's action: calculations have been checked.</i>  <i>Conclusion: as per PRC-2714-001 board decision and the applied tool the sample size has been correctly determined and correctly applied in the calculations.</i>	Open PRC	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<b>D.2.8. nTRPLikt</b>		<b>Number of trees in the sample plot</b>		
<p><b>a) Measurement / Determination method</b> (EB 70 Annex 3, § 233, 236)</p> <p><i>Describe how the monitoring parameter was measured / determined.</i></p> <p><i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>	/IM01-3/ /PDD/ /AR-AM3/	<p><i>Description:</i> When doing the field measurements each tree in a sample plot has been measured and noted in the monitoring sheet. The number of trees varies from plot to plot with 0 trees up to 150 trees per plot in very dense stands.</p> <p><i>Verifier's action:</i> The same could be observed during re-measurements and by crosschecking original records with project database.</p> <p><i>Conclusion:</i> The number of trees in each plot has been counted.</p>	OK	OK
<p><b>b) Accuracy and QA/QC Procedure</b> (EB 70 Annex 3, §§ 237-241)</p> <p><i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line</i></p>	/CAL/ /MM/	<p><i>Description:</i> QAQC re-measurements have been performed and no significant discrepancies between the two measurements have been identified.</p> <p><i>Verifier's action:</i> crosschecking original measurements with QAQC re-measurements.</p> <p><i>Conclusion:</i> The tree counting per plot is precise as can be expected in forest inventories for natural young stands.</p>	OK	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>with the latest EB guidance.</i>				
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i> <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i> <i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment) <i>Description:</i> The tree counting is correct.  <i>Verifier's action:</i> database and original records have been compared.  <i>Conclusion:</i> The database for calculation is in line with the original data sheets. No discrepancies have been found.	OK	OK
<b>D.2.9. tID</b>		<b>Age of plantation</b>		
<b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b> <i>Describe how the monitoring parameter was measured / determined.</i> <i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i> <i>Assess whether the measurement / determination method is in line with the registered monitoring plan</i>	/IM01-3/ /PDD/ /AR-AM3/	<i>Description:</i> In case of plantation sites within the single stands the date of plantation is noted in the management books /MINI/ for each parcel of land.  The age of plantation does not influence the removal calculations. Thus this parameter is only for recording and information on stand performance.  As most of the project area is not planted but has been protected to promote natural regeneration, this parameter does not apply for the whole project area.  <i>Verifier's action:</i> project management records and bills of quantities have been reviewed.	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
of the PDD and the applied methodology.		Conclusion: The parameter age of plantation has been recorded with the planting date.		
<b>b) Accuracy and QA/QC Procedure</b> <b>(EB 70 Annex 3, §§ 237-241)</b>  <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i>  <i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i>	/CAL/ /MM/	Description: n/a  Verifier's action: n/a  Conclusion: n/a	OK	OK
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b>  <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i>  <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment)  Description: The parameter can be seen as monitored. As it is not important for the calculations its correctness is confirmed as part of the recording requirements of the project.  Verifier's action: project management records and bills of quantities have been reviewed.	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i>		<i>Conclusion:</i> The age of plantations is adequately recorded.		
<b>D.2.10. Bijt (Project emissions)</b>		<b>Average above ground biomass burnt in natural fire for stratum I, species j, time t</b>		
<b>a) Measurement / Determination method (EB 70 Annex 3, § 233, 236)</b>  <i>Describe how the monitoring parameter was measured / determined.</i>  <i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i>  <i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i>	/IM01-3/ /PDD/ /AR-AM3/	<i>Description:</i> Not adequately addressed in the MR. CAR E1 has been opened.  <i>Verifier's action:</i>  <i>Conclusion:</i>	CAR E1	OK
<b>b) Accuracy and QA/QC Procedure (EB 70 Annex 3, §§ 237-241)</b>  <i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have</i>	/CAL/ /MM/	<i>Description:</i>  <i>Verifier's action:</i>  <i>Conclusion:</i> See CAR E1	CAR E1	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line with the latest EB guidance.</i></p>				
<p><b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b></p> <p><i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i></p> <p><i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i></p> <p><i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i></p>	/MR/	<p><input type="checkbox"/> Correct      <input type="checkbox"/> Not correct (initial assessment)</p> <p><i>Description:</i></p> <p><i>Verifier's action:</i></p> <p><i>Conclusion: see CAR E1</i></p>	CAR E1	OK
<b>D.2.11. dNa<sub>EGL</sub> (Leakage)</b>		<b>Number of animal displaced in EGL areas at time t</b>		
<p><b>a) Measurement / Determination method</b> <b>(EB 70 Annex 3, § 233, 236)</b></p> <p><i>Describe how the monitoring parameter was measured / determined.</i></p> <p><i>Check if relevant equipment has been exchanged and if in cases of failures / downtimes of standard equipment other measurement / determination</i></p>	/IM01-3/ /PDD/ /AR-AM3/ /LEAK/	<p><i>Description:</i> A full assessment on leakage due to animal displacement has been carried out by a consultant INCA (Institute for Nature Conservation in Albania) in June 2012. The assessment is based on the one hand on assumptions made during validation and registered PDD and on the other hand based on a survey (interviews of local farmers).</p> <p>The results of the survey have been used to apply the equations</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>methods have been used. Furthermore, verify the frequency of measurements as per the requirements.</i></p> <p><i>Assess whether the measurement / determination method is in line with the registered monitoring plan of the PDD and the applied methodology.</i></p>		<p>to determine leakage as given in the methodology.</p> <p>Those have been followed until the final result was found. It was concluded that there are much more grazing areas available than needed for the current livestock in the project area. Consequently leakage can be determined as 0.</p> <p><i>Verifier's action:</i> The validation team studied the survey and assessment results and did interviews with local farmers during site visit.</p> <p><i>Conclusion:</i> No contradicting information has been given during site visit. The survey results are plausible and calculations are correct.</p>		
<p><b>b) Accuracy and QA/QC Procedure (EB 70 Annex 3, §§ 237-241)</b></p> <p><i>In case of measured (or estimated) values, check whether the accuracy of equipment used for monitoring is controlled and calibrated in accordance with the monitoring plan or if significant inaccuracies occur; in this case, make sure that the most conservative assumptions theoretically possible have been made for calculating ERs.</i></p> <p><i>Describe whether all applicable QA/QC procedures are met. Assess further if the calibration of the monitoring equipment has been carried out in line</i></p>	/LEAK/ /MM/	<p><i>Description:</i> People who performed the interviews have been trained to learn interview techniques and to receive unbiased answers.</p> <p>The calculation approach has been double checked by the project coordination.</p> <p><i>Verifier's action:</i> The DOE performed interviews with local farmers and project coordinator.</p> <p><i>Conclusion:</i> The survey results are plausible as no contradictory statements have been made while interviewing the</p>	OK	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>with the latest EB guidance.</i>		farmers.		
<b>c) Correctness</b> <b>(EB 70 Annex 3, §§ 233, 236)</b> <i>Determine whether the value given in the monitoring report is correct or determined in a conservative manner.</i> <i>In case of conservative approaches used in lieu of the monitoring as per registered MP detailed assessment of the conservativeness of the approach used should be given.</i> <i>In case of mistakes / deviations pl. provide details and descriptions of the CARs raised.</i>	/MR/	<input checked="" type="checkbox"/> Correct <input type="checkbox"/> Not correct (initial assessment) <i>Description:</i> based on the statements given above the results can be assumed as correct.  <i>Verifier's action:</i> MR and project calculations as well as the survey report have been reviewed and compared.  <i>Conclusion:</i> Nevertheless some figures in the survey need clarification. Therefore CAR D6 has been opened.	CAR D6	OK
<b>E. Calculation of Emission removals</b>				
<b>E.1. Traceability</b> <b>(EB 70 Annex 3, §§ 212, 214)</b> <i>Assess if the calculation is fully traceable. In case of complex calculations an Excel calculation spreadsheet shall be used. All applied formulae must be visible.</i>	/XLS/	<i>Description:</i> An excel sheet has been provided that is fully transparent and traceable and unprotected. In some functions pivot tables have been used to avoid data loss or errors due to transcription.  <i>Verifier's action:</i> Review of the excel calculation spread sheet and comparison with methodology.  <i>Conclusion:</i> The excel sheet submitted is fully transparent and traceable and unprotected.	CAR E3	OK

Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
		A small clarification is needed so CAR E3 has been opened.		
<b>E.2. Parameter consistency (EB 70 Annex 3, § 214)</b>  <i>Assess whether all internal and external parameters and data used for calculation are applied consistently in the monitoring report and the calculation spreadsheet?</i>  <i>Consider only the correct data exchange between the monitoring report and the calculation spreadsheet (if any). Further ensure the consistency of notations for all parameters in the PDD, MR, calculation spreadsheet.</i>	/XLS/ /PDD/ /MR/	<i>Description:</i> Some inconsistencies during data transfer have been detected and addressed.  Fixed values like the allometric equations and IPCC values have been correctly applied. Only one typing error has been detected for value “b” of the robinia allometric equations.  <i>Verifier’s action:</i> The parameters have been checked with original field records and literature values.  <i>Conclusion:</i> In general the parameters are consistent. Where inconsistencies have been detected a CAR has been opened.	CAR D4 CAR D5 CAR E6	OK
<b>E.3. Correctness of calculation (EB 70 Annex 3, §§ 235-236)</b>  <i>Check if the applied formulae and methods for calculating baseline emissions, project emissions and leakage are in accordance with the monitoring plan and / or the approved methodology.</i>  <i>Assess whether the provided calculations are complete and reflect all requirements of the monitoring plan.</i>  <i>Check especially that no standard or old values have been used for calculation where calculations based</i>	/XLS/ /MR/ /PDD/	<i>Description:</i> The equations from the methodology have been correctly applied and cited for calculations using allometric equations.  <i>Verifier’s action:</i> The calculations have been checked and compared with the methodology.  <i>Conclusion:</i> The calculations and use of formulas has been correctly done. In the MR only some equations have not been cited. A CAR has been opened.  Further CAR E3 asks for clarification of use of references in the	CAR E1 CAR E3	OK




Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<i>on up-to-date data is required.</i>		calculation sheet. And plots with 0 tCO <sub>2</sub> have been excluded from final results that lead to overestimation of emission removals.		
<b>E.4. Emission removals table (EB 66 Annex 20, E.4)</b>  <i>Check if the MR includes a summary table of the emission removals calculation specifying separately</i> <ul style="list-style-type: none"> <li>- Total baseline emissions</li> <li>- Total project emissions:</li> <li>- Total leakage</li> <li>- Total emission removals.</li> </ul> <i>Assess whether the values are correct or need to be revised as a consequence of issues identified above.</i>	/XLS/	<input checked="" type="checkbox"/> The MR includes in section E.4 a summary table of the emission removals calculation. <input checked="" type="checkbox"/> The summary table specified the total baseline, project and leakage emissions as well as the total emission removals separately. <input type="checkbox"/> The values as specified in the ER summary table are correct; no issues have been identified during the verification which require changes in the ER calculation. <input checked="" type="checkbox"/> During the verification issues with impact on the ER calculation have been identified. Thus subject to the closure of above listed findings the summary table in E.4 needs to be revised.  In this context the following additional findings have been identified:  Clarification is requested how pre-existing biomass must be accounted for and if the approach is in line with the methodology and PDD.	CAR E2	OK
<b>E.5. Comparison with ex-ante determined emission removals (EB 66 Annex 20, E.5; E.6)</b>  <i>Check if the MR includes a comparison of actual values of the monitoring period with the estimations in</i>	/XLS/ /MR/ /PDD/	<i>Description:</i> An ex-ante comparison has been included in the MR. The correct values have been applied. Nevertheless they have been mixed up and E.5 is empty instead E.6 has been filled out.	CAR E2	OK



Checklist Item (incl. guidance for the verification team)	Reference	Verification Team Comments (Means and results of assessment)	Draft Concl.	Final Concl.
<p><i>the registered PDD.</i></p> <p><i>Check further whether in case of an increase an appropriate explanation is included in the MR.</i></p> <p><i>Assess in case of a significant increase whether this is due to technical or organisational changes within or outside the control of the PP which might require a notification / approval of changes (as per EB 48 Annex 66/67).</i></p>		<p><i>Verifier's action:</i> Review of PDD and MR and excel sheet.</p> <p><i>Conclusion:</i> CAR E2 has been opened</p> <p>2. Section E.5 is empty.</p> <p>3. Section 6: values are mixed up.</p> <p>4. A detailed explanation shall be given why the ex-post value is more or less equal to the ex-ante value given that the project area is reduced.</p>		

## ANNEX 2: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL



**Statement of Competence**  
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

**Ms. Alexandra Nebel**


SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2016-03-03
Ji	Senior Assessor Technical Reviewer	2016-03-03
VCS / ISO 14064-2	Senior Assessor Technical Reviewer	2016-03-03

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
14.1	Forestry

095 - Rev. 4, Date: 2013-03-04

095\_S01-VA000-F30\_2013-03-04\_rev4.doc      S01-VA000-F20 rev0 / 2012-10-25



**Statement of Competence**  
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

**Ms. Inga Köster**


SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification) Technical Reviewer	2012-01-15
Ji	Lead Assessor Technical Reviewer	2012-01-15
VCS	Lead Assessor Technical Reviewer	2012-01-15

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR SUBCATEGORIES
14.1	Forestry	
15.1	Agriculture	

045 – Rev. 2, Date: 2011-08-29

045\_S01-F003\_2011-08-29\_rev2      S01-F003 rev1 / 2011-08-02



**Statement of Competence**  
Appointment and authorization according to the procedures of the TÜV NORD JI/CDM Certification Program

**Mr. Rainer Winter**

SCHEME	STATUS	VALID UNTIL
CDM	Senior Assessor (Validation, Verification) Technical Reviewer	2013-07-03
Ji	Senior Assessor Technical Reviewer	2013-07-03
VCS	Senior Assessor Technical Reviewer	2013-07-03

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA	TR SUBCATEGORIES
1.1	Thermal Energy Generation	1.2.1 Hydro 1.2.2 Wind 1.2.3 Geothermal 1.2.4 Solar 1.2.5 Tidal
1.2	Renewable Energies	
4.1	Cement Sector	
4.3	Iron and Steel	
4.5	Waste Heat Recovery	
5.1	Chemical Process Industries	
9.1	Metal Production	
11.1	Chemical Process Industries	
11.2	GHG Capture and Destruction	
12.1	Chemical Process Industries	
13.1	Waste Handling and Disposal	13.1.1 Waste Management

003 – Rev. 5, Date: 2011-08-01

003\_S01-F003\_2011-08-01\_rev5      S01-F003 rev0 / 2010-04-19



**Statement of Competence**  
Appointment and authorization according to the procedures  
of the TÜV NORD JI/CDM Certification Program

**Mr. Evgeni Sud**

SCHEME	STATUS	VALID UNTIL
CDM	Lead Assessor (Validation, Verification) Technical Reviewer	2013-11-04
J1	Lead Assessor Technical Reviewer	2013-11-04
VCS	Lead Assessor Technical Reviewer	2013-11-04

Authorization status for technical areas within sectoral scopes:

CODE	TECHNICAL AREA
1.2	Renewable Energies
13.1	Waste Handling and Disposal

052 – Rev. 1, Date: 2011-08-29