



RINA

# SOCIAL CARBON STANDARD VALIDATION REPORT

**Final**


“Ecomapuá Amazon REDD Project”  
in  
Brazil

Report N°2014-BQ-02-MD

Revision N° 1.0 Aa




# SOCIAL CARBON STANDARD VALIDATION REPORT

<b>Project Title:</b> Ecomapuá Amazon REDD Project	<b>Country:</b> Brazil	
<b>Client:</b> Bio Assets Ativos Ambientais Ltda	<b>Client contact:</b> Lap Tak Chan	
<b>Report No.:</b> 2014-BQ-02-MD	<b>Revision:</b> 1.0 Aa	<b>Date of this report:</b> 26/06/2014
<b>Approved by (Final Report):</b>   Laura Severino		<b>Date of approval:</b> 24/07/2014

RINA Services S.p.A. (RINA), commissioned by Bio Assets Ativos Ambientais Ltda, performed the validation of the SOCIALCARBON Report of the project activity “Ecomapuá Amazon REDD Project” in Brazil, with regard to the relevant requirements of Social Carbon Standards.

In conclusion, it is RINA’s opinion that the SOCIALCARBON Report for the project activity “Ecomapuá Amazon REDD Project”, in “Brazil”, version 2 of 26/06/2014, meets all relevant requirements established by the SOCIALCARBON Standard, SOCIALCARBON Methodology and it contains the identification of social economic and environmental impacts as well the presentation of the results obtained in accordance to the Social Carbon Standard “Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013”.

<b>Work carried out by:</b> Thaís de Lima Carvalho	<input checked="" type="checkbox"/> No distribution without permission from the Client or organizational unit responsible <input type="checkbox"/> Strictly confidential <input type="checkbox"/> Unrestricted distribution
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<b>Work verified by (Final Report)</b>   Rita Valoroso
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<b>Keywords:</b> Social Carbon Standard, Validation, Indicators
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# SOCIAL CARBON STANDARD VALIDATION REPORT

## Abbreviations

CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER(s)	Certified Emission Reduction(s)
CL	Clarification Request
CRT	Coordination and Technical Control Staff
DCI	Certification Division of RINA Services Spa
DOE	Designated Operational Entity
EI	Ecologica Institute
EIA	Environmental Impact assessment
ER	Emission Reductions
GHG(s)	Greenhouse gas(es)
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
MP	Monitoring Plan
MR	Monitoring Report
NGO	Non-Governmental Organization
NPO	Non-Profit Organization
ODA	Official Development Assistance
PDD	Project Design Document
PP(s)	Project Participant(s)
RINA	RINA Services Spa
SCM	Social Carbon Methodology
SCS	Social Carbon Standard
VCS	Voluntary Carbon Standard
VER(s)	Verified Emission Reduction(s)

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Appendix A:

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## 1 INTRODUCTION

Bio Assets Ativos Ambientais Ltda has commissioned RINA to carry out the validation of the SCS Report for the project activity “Ecomapuá Amazon REDD Project” project in Brazil.

This report summarizes the findings of the validation of the project, performed on the basis of Social Carbon Methodology, as well as criteria established by the SCS “Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013”

### 1.1 Objective

The objective of the Validation is to have an independent evaluation of a specific project activity by a certifying entity against the requirements of the Social Carbon Standard and Social Carbon Standard indicators, on the basis of the SCS report. In particular, the social and environmental indicators are validated in order to confirm that the impacts arising from a carbon offset project for the six resources of the methodology (Social, Human, Financial, Natural, Biodiversity and Carbon), as documented, is sound and reasonable and meets the identified criteria. The Validation of the SCS report is as a complementary standard for co-benefits and it does not set its own criteria regarding the project type, location, and size, crediting period or baseline and monitoring methodologies; it covers only criteria of social and environmental impact of the project but not for emission reduction itself.

### 1.2 Scope

The validation scope is to review the SCS Report against the SCS Methodology and SCS Indicators. Validation is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the project design.

## 2 METHODOLOGY

Validation was conducted using RINA procedures in line with the requirements specified in the latest version of the Social Carbon Standard, and applying standard auditing techniques.

The validation consisted of the following three phases:

- Document review;
- Follow-up actions;
- The resolution of outstanding issues and the issuance of the final validation report.

The following sections outline each step in more detail.

### 2.1 Document Review

The evidence obtained during the audit is to verify the accuracy of all information contained in the present project. The SCS Report, version 2 of 26/06/2014 and previous version 1 of 02/02/2014 /01/ in particular the applicability of the SCS methodology and the SCS “Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013” were assessed as part of the validation.

The following table lists the documentation that was reviewed during the validation.

/01/	Sustainable Carbon – Projetos Ambientais Ltda: SCS Report for project activity “Ecomapuá Amazon REDD Project” in Brazil, version 2 of 26/06/2014 version 1 of 02/02/2014
/02/	Social Carbon Standard version 5.0 of July 2013
/03/	Social Carbon Standard: Guide for completing Social Carbon Reports – version 3.2 of April 2011
/04/	VCS Methodology VM0015: Methodology for Avoided Unplanned Deforestation, version 1.1 of 03/12/2012

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/05/	Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013.
/06/	PLANTE PROJETOS DE IRRIGAÇÃO- visit report, dated mai/jun 2006 (Relat_Apicultura.pdf)
/07/	FADESP report: Community Agro-extractive from the Mapuá River- Breves/PA Social-Economics diagnosis (From the Portuguese: Comunidades Agroextrativistas do Rio Mapuá-Breves/Pa, Diagnóstico Sócio- Econômico, research conducted on April to September 2002
/08/	Centro de Pesquisa e desenvolvimento Leopoldo A. Miguez de Mello- CENPES/PETROBRAS; Instituto Amazônia Sustentável-IAS, Universidade Federal Rural da Amazônia- UFRA report: Pilot Project on income and food generation through family agricultural production and sustainable forest management in poor communities in the Mapua river (From the Portuguese: Projeto Piloto de geração de renda e alimento através de produção agrícola familiar e manejo florestal sustentável em comunidades ribeirinhas carentes no Rio Mapuá), dated 2007 (project known as “Fome Zero”).
/09/	Bylaws of Instituto Amazônia Sustentável, dated 28/11/2002
/10/	Minutes of meetings of the Instituto Amazônia Sustentável foundation, dated 28/11/2002
/11/	FUNPEA partial report: “Carbon Sequestration Pilot Project through Afforestation and Management of Native and Oleaginous Species for Energy and Income Generation Purposes for the Benefit of Poor Communities on Marajo Island” (from the Portuguese “Projeto Piloto de Seqüestro de Carbono com Reflorestamento de Espécies Nativas Oleaginosas Consorciado para Fins Energéticos e Geração de Renda para Comunidades Carentes na Ilha do Marajó”), dated 2003 and partial report dated 2005
/12/	NovaAmafrutas, FADESP and Federal University of Pará state (UFPA) report “Vegetation and land use characterization of the lands owned by Ecomapuá Conservação Ltda. located in Breves Municipality, Pará” (from The Portuguese “Caracterização da Vegetação e uso do solo das terras pertencentes a empresa Ecomapuá Conservação Ltda no municipio de Breves, Pará”, dated 2002
/13/	Eng. Neldson Marques Lobato technical report for the Lago do Jacaré Farm, dated 2005
/14/	Artemas Ribeiro Barros Junior technical report for the São Domingos Farm, dated 2002
/15/	Artemas Ribeiro Barros Junior technical report for the Santa Isabel/Brasileiros Farms, dated 2004
/16/	Universidade Federal do Paraná - Instituto Ecoplan report “Quantification of carbon stocks in Amazon forest species with potential for forest and CDM projects” (from the Portuguese “quantificação dos teores de carbono em espécies florestais da Amazônia com potencial para reflorestamento e projetos MDL”), dated January 2006
/17/	Ecomapuá power point presentation with pictures of the seed collection course, no date available
/18/	IBGE <span style="float: right;">web</span> <span style="float: right;">site</span> <a href="http://www.ibge.com.br/cidadesat/xtras/temas.php?lang=&amp;codmun=150460&amp;idtema=124&amp;se arch=para%7Cmocajuba%7Cextracao-vegetal-e-silvicultura-2012">http://www.ibge.com.br/cidadesat/xtras/temas.php?lang=&amp;codmun=150460&amp;idtema=124&amp;se arch=para%7Cmocajuba%7Cextracao-vegetal-e-silvicultura-2012</a> accessed on 19/03/2014
/19/	Amzn’s project description, no date available.
/20/	Sustainable Carbon “SC_Ecomapuá_Point0_v02.xls” version 2 received on 26/06/2014 “Performance” spreadsheet “SC_Ecomapuá_Point0_v01.xls”, version 1 of 02/02/2014
/21/	VCS database for the “Ecomapuá Amazon REDD Project” , available in English at <a href="https://vcsprojectdatabase2.apx.com/myModule/Interactive.asp?Tab=Projects&amp;a=2&amp;i=1094&amp;lat=-1%2E15207177017&amp;lon=-49%2E8915135928&amp;bp=1">https://vcsprojectdatabase2.apx.com/myModule/Interactive.asp?Tab=Projects&amp;a=2&amp;i=1094&amp;lat=-1%2E15207177017&amp;lon=-49%2E8915135928&amp;bp=1</a> accessed on 03/04/2014
/22/	Sustainable Carbon – Projetos Ambientais Ltda: spreadsheet with baseline estimative “VCS PD Calculation Ecomapua_2nd baseline period_v02.xlsx”, version 2 no date available
/23/	Sustainable Carbon – Projetos Ambientais Ltda: VERs spreadsheet “VCS MR Calculation Ecomapua_period 01_01 01 03_31 12 2012_v02.xlsx” version 2 no date available

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### 2.2 Follow-up actions

On 23/02/2014-26/02/2014, RINA visited Bom Jesus and Vila Amélia communities to perform interviews with the key informants aiming at the obtainment of the information about the six resources of the SCS methodology and with the relevant stakeholders in the host country. Documentation and legal conformity are checked and interviews are made with the proponent and employees responsible for important activities in the company.

The key personnel interviewed and the main topics of the interviews are summarized in the table below.

	Date	Name and Role	Organization	Topic
/a/	23/02/2014	Giovani Salera Junior-Manager Resex	ICMBIO	Mapuá area
/b/	24/02/2014	Manuel Monteiro da Silva (Manduca)	stakeholder	Vila Amélia community
/c/	24/02/2014	Candida Lobato Rodrigues// Antonio Barbosa Pedroso	stakeholder	Bom Jesus community
/d/	24/02/2014	Dionorte Monteiro Gonçalves	stakeholder	Bom Jesus community,
/e/	24/02/2014	Antonio Ferreira Gonçalves// Marcos Mendes Gonçalves	stakeholder	Bom Jesus community
/f/	26/02/2014	Pedro	stakeholder	Santo Amaro community
/g/	23/02/2014- 26/02/2014	Alúzio Farias Martins	stakeholder	Bom Jesus community
/h/	23/02/2014- 26/02/2014	Marcelo Haddad- Project coordinator	Sustainable Carbon – Projetos Ambientais Ltda.	Social Carbon report
/i/	23/02/2014- 26/02/2014	David Swallow_ Ecomapuá worker	Bio Assets Ativos Ambientais Ltda	Project development
/j/	23/02/2014- 26/02/2014	Lap Tak Chan- Project owner	Bio Assets Ativos Ambientais Ltda	Project development



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### 2.3 Resolution of outstanding issues

The objective of this phase of the validation is to resolve any outstanding issues which need to be clarified for RINA's positive conclusion on the project design.

To guarantee transparency a validation protocol has been customized for the project. The protocol shows in a transparent manner the requirements, means of validation and the results from validating the identified criteria. The completed validation protocol is enclosed in Appendix A to this report.

A corrective action request (CAR) is raised if one of the following occurs:

- The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions.
- The SCS requirements have not been met.
- There is a risk that the sustainable indicators cannot be monitored.

A clarification request (CL) is raised if information is insufficient or not clear enough to determine whether the applicable SCS requirements have been met.

CARs and CLs identified are included in Appendix A of this report.

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## 2.4 Internal quality control

All the revisions of the validation report before being submitted to the client were subjected to an independent internal technical review to confirm that all validation activities had been completed according to the pertinent RINA instructions.

The technical review was performed by a technical reviewer(s) qualified in accordance with RINA's qualification scheme for SCS validation and verification.

## 2.5 Validation team and the technical reviewer(s)

The validation team and the technical reviewers consist of the following personnel:

Role	Last Name	First Name	Country
Team Leader SCS/ expert SCR/ validator	De Lima Carvalho	Thaís	Brazil
Technical reviewer	Valoroso	Rita	Italy

## 3 VALIDATION FINDINGS

The findings of the validation related to the project, as described in the SCS Report version 2 of 26/06/2014 and previous version 1 of 02/02/2014 /01/, are stated in the following sections.

### 3.1 Project design

Basic information	
Project name	Ecomapuá Amazon REDD Project
Location	The project area is composed of five properties in Marajó Island and the properties are located in the municipalities of Breves, Curralinho and São Sebastião da Boa Vista. These properties (farms) are: Bom Jesus, Brasileiro, Lago Jacaré, São Domingos and Vila Amelia, Pará state, Brazil
Indicators	Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013.
Year-Point of the project	Point Zero (2003 – 2007)
Project Developer	Sustainable Carbon – Projetos Ambientais Ltda.
Researcher	Larissa Tega da Fonseca, Beatriz Rovere and Marcelo Haddad.

The primary objective of the Ecomapuá Amazon REDD Project is to avoid the unplanned deforestation (AUD) of an 86,269.84ha area within a private property on Marajó Island, totaling 98,362ha, owned by Ecomapuá Conservação Ltda. The company is a private Brazilian sustainable development firm engaged in renewable energy and carbon finance projects, with the mission of conserving the environment and improving living standards of isolated communities on the island.

The project was registered under the VCS on 27/06/2013, project number 1094 /21/ and is being verified the first monitoring period.

### 3.2 Methodology used for reduction/capture of GHGs

The principal objective of the present REDD project is the conservation of 86,269.84ha of forest area within the five Ecomapuá properties: Bom Jesus, Brasileiro, Lago do Jacaré, São Domingos and Vila Amélia, located in Ilha do Marajó Island.

The project applies a methodology approved under the Verified Carbon Standard, as follows: VCS Methodology VM0015: Methodology for Avoided Unplanned Deforestation, version 1.1 of 03/12/2012.

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The total tons of carbon equivalent reduced of the first monitoring period (01/01/2003 to 31/12/2012) is 1,572,478 tCO<sub>2e</sub>

## 3.3 SOCIALCARBON Indicators

### 3.3.1 SOCIALCARBON Method

PP applies the “Indicators for an Amazon REDD Project. Version 1.1, from 08/11/2013” /05/

### 3.3.2 Social, economic and environmental impacts of the GHG emission reductions project.

The primary objective of the Ecomapuá Amazon REDD Project is to avoid the unplanned deforestation (AUD) of an 86,269.84 ha area within a private property on Marajó Island, totalizing 98,362 ha, owned by Ecomapuá Conservação Ltda. The company is a private Brazilian sustainable development firm engaged in renewable energy and carbon finance projects, with the mission of conserving the environment and improving living standards of isolated communities on the island.

### 3.3.3 Project indicators

#### 3.3.3.1 Social Resources

<b>Name of indicator</b>	Extent of community education/training and alternative income sources				
<b>Description of Indicator</b>	Evaluates whether the community education/training and alternative income sources implemented by the carbon project extend to the entire project area and, preferably, covering the leakage management area as well.				
<b>Assessment on current situation of the project</b>	Social Carbon Report version 1 describes the following training courses:				
	<b>Nº</b>	<b>Course</b>	<b>Participants</b>	<b>Communities</b>	<b>Data</b>
	1	Açaí production course	43	Santo Amaro and Mapuá	2003
	2	Animal protein production course	-	Santo Amaro	2003
	3	Poultry raising course	6	Bom Jesus and Vila Amélia	2007
	4	Gardening course	15	Bom Jesus and Santo Amaro	2007
	5	Fish farming course	12	Bom Jesus and Santo Amaro	2007
	6	Apiculture course	12	Bom Jesus	2006
7	Permaculture, Design & Consulting course	1	Bom Jesus	2007	
<b>Score obtained</b>	2 (two), considering that in the Mapuá region there are nine different communities, Ecomapuá carried out activities with three of them (33%)				
<b>Perspectives</b>	There are currently no foreseen improvements				
<b>Conclusion</b>	RINA visit the project area and interviewed some stakeholders that received the training courses: Poultry raising course, gardening course, fish farming				

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	<p>course, permaculture course. Moreover, the courses are described in the evidences presented by Project Participants /06/ /08/ /11/ /17/</p> <p>As a result of CAR 2 and CL1, the Santo Amaro community was included as a community affected by the project activity and the courses were revised according to the evidences provided.</p>
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<b>Name of indicator</b>	Social Research
<b>Description of Indicator</b>	Examines level of research into social, demographic and economic aspects of communities in the project
<b>Assessment on current situation of the project</b>	<p>The Social Carbon Report describes the research made in conjunction with FADESP, for the following topics:</p> <ul style="list-style-type: none"> <li>- community satisfaction survey;</li> <li>- Education levels among the youth and the community;</li> <li>- Economic research such as levels of income, means of subsistence;</li> <li>- Demographic research;</li> </ul> <p>Also, it is described the results of the a public consultation carried out in 2006, regarding the communities' view of their own needs.</p>
<b>Score obtained</b>	2 (two)-one research was conducted in 2002 and it has not been updated for over 5 years
<b>Perspectives</b>	Update the social research involving the communities
<b>Conclusion</b>	<p>RINA verified the report from FADESP /07/ and confirmed the information described in the Social Carbon Report.</p> <p>As a result of CL 2 the monitoring period was revised to September/2002 to December/2007 and a project timeline was included in the report.</p>

<b>Name of indicator</b>	Associations and cooperatives
<b>Description of Indicator</b>	Evaluates whether communities residing in the project area are involved in associations or cooperatives
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes the necessity of developing an association or cooperative in the region.
<b>Score obtained</b>	1 (one)- absence of associations and cooperatives; individua actions predominates.
<b>Perspectives</b>	The Ecomapuá company plans to encourage the creation of an Association/Cooperative by the community. This initiative aims to organize the community to market the products that they produce, such as açai
<b>Conclusion</b>	RINA verified project report /08/ and confirmed the information described in the Social carbon report, that there is no community association in the region.

<b>Name of indicator</b>	Social Satisfaction
<b>Description of Indicator</b>	Evaluates the communities' satisfaction relating to the carbon project. Also evaluates the existence of some kind of community satisfaction survey, which can be conducted through local research, or stakeholders' consultation, among other means
<b>Assessment on current situation of the project</b>	The Social Carbon report describes the dissatisfaction of the local residents with the prohibition of harvest timber, and the meetings due to the project known as "Fome Zero".
<b>Score obtained</b>	3 (three) - A community satisfaction survey in relation to the carbon project was conducted in the analysed period, however the majority were shown to be against the project.
<b>Perspectives</b>	There are currently no foreseen improvements.

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<b>Conclusion</b>	Rina verified in the reports from FADESP /07/ and from “Fome Zero” project /08/ that some visits and interviews were done in the project area. Also RINA verified the evidences of the foundation of the NGO Instituto Amazônia Sustentável, that have participated in the “Fome Zero” project, including some community satisfaction survey and meetings with local stakeholders /09/ /10/
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### 3.3.3.2 Human Resources

<b>Name of indicator</b>	Community Education and Training
<b>Description of Indicator</b>	Evaluates the relevant education and training programs related to the project, including additional programs to the stakeholders and broader community. The following major areas are considered: - Training: technical; IT and digital; courses, etc. - Education: basic and supplementary, environmental awareness-raising, etc.
<b>Assessment on current situation of the project</b>	<p>The Social Carbon Report describes the following training courses that were conducted from 2003 to 2006 as part of the project “Carbon Sequestration Pilot Project through Afforestation and Management of Native and Oleaginous Species for Energy and Income Generation Purposes for the Benefit of Poor Communities on Marajo Island”</p> <ul style="list-style-type: none"> <li>-sustainable management of açaí</li> <li>-seed collection course</li> <li>-gardening course/2003</li> <li>-animal protein production course</li> </ul> <p>The Social Carbon Report describes the following training courses that were conducted from 2005 to 2007 as part of the project known as “Fome Zero”</p> <ul style="list-style-type: none"> <li>-Poultry raising course</li> <li>-Gardening course/2007</li> <li>-fishing farming course</li> <li>-apiculture course</li> </ul>
<b>Score obtained</b>	6 (six)- The project offers more than four education or training activities.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	<p>RINA visit the project area and interviewed some stakeholders that received the training courses: Poultry raising course, gardening course, fish farming course, permaculture course. Moreover, the courses are described in the evidences presented by Project Participants /06/ /08/ /11/ /17/</p> <p>As a response of CL 1 Santo Amaro community was included in the project activity and the list of courses were revised in accordance with the evidences provided.</p>

<b>Name of indicator</b>	Health
<b>Description of Indicator</b>	Evaluates the presence of initiatives and campaigns relating to community health, as well as access and communication with hospitals in neighboring cities.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes the visit of a doctor in the Mapuá area.
<b>Score obtained</b>	2 (two)- There are isolated initiatives, which have little impact, in the health area, for example: distribution of informative pamphlets.
<b>Perspectives</b>	There are currently no foreseen improvements
<b>Conclusion</b>	RINA verified that the information from the “health” indicator is described in

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	the Report from “Pilot Project on income and food generation through family agricultural production and sustainable forest management in poor communities in the Mapua river” and found the information described in the SCS report correct /08/
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<b>Name of indicator</b>	Leisure, culture and sport
<b>Description of Indicator</b>	Evaluates the presence of projects involving leisure, health and sport within the carbon project area, which benefit the community.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that the Cultural project did not receive financial resources.
<b>Score obtained</b>	1 (One)- There are no initiatives relating to leisure, culture and sport in the community.
<b>Perspectives</b>	The project owner intends to develop the Culture project in the future
<b>Conclusion</b>	No projects were developed.

<b>Name of indicator</b>	Equipment and infrastructure
<b>Description of Indicator</b>	Evaluates the project proponent’s investment and encouragement relating to equipment and infrastructure (sanitation, household, electricity, transport, among others) for the community’s benefit
<b>Assessment on current situation of the project</b>	The following initiatives are described in the Social Carbon Report: Infrastructure: -local school refurbishment -aviculture structure -vegetable gardens -forestry nursery -fish farming -apiculture  Transport: -boat plataform in the Santo Amaro community -motor boat bought for the Bom Jesus community  Household -a house was built for one member of Bom Jesus community
<b>Score obtained</b>	5 (five)- The project proponent promotes/invests in infrastructural improvements for the benefit of communities in the project area, but the initiatives benefit few community members (e.g. building a house).
<b>Perspectives</b>	There are currently no foreseen improvements
<b>Conclusion</b>	Rina visited the project area, including the school, forest nursery, fishing farm deactivated, house from Sr. Aluizio, boat plataform and saw the motor boat and vegetable gardens. Moreover some stakeholders were interviewed and also information was confirmed in the reports /08/ /11/  As a response of CL 1 Santo Amaro community was included in the project activity.

### 3.3.3.3 Financial Resources

<b>Name of indicator</b>	Alternative income sources
<b>Description of Indicator</b>	Evaluates whether the project created alternative sources of income generation for the communities living within the project area
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that the projects undertaken to generate alternative income source were not continued.
<b>Score obtained</b>	1 (one)- The project does not generate any alternative income sources for

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	the local communities.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	Rina interviewed some stakeholders and confirmed the project did not generate alternative income sources.

<b>Name of indicator</b>	Employment opportunities
<b>Description of Indicator</b>	Direct employment offered by the project: number of people employed in activities related to project (e.g. supervisors and trainers) and provision of official documentation employment (informal and formally documented).
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that there are one representative of Bom Jesus Community and one representative of Vila Amélia community contracted informally. Moreover, there are two employees formally contracted.
<b>Score obtained</b>	3 (Three)- One to ten employment opportunities available, the majority of which are informal
<b>Perspectives</b>	Hire employee to be responsible for securing funds.
<b>Conclusion</b>	Rina interviewed the Mr. Aluizio and Mr. Manuel (Manduca) that are informally contracted to report some events in the project area. Moreover, the report form "Fome Zero" project describes that two employees were contracted by IAS /08/

<b>Name of indicator</b>	Securing of funds
<b>Description of Indicator</b>	Evaluates the project proponent" participation in requests for proposals/ programs for securing funds. Also monitors whether project participants were successful, and whether the funds raised are creating activities for communities resident in the project area
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes two projects that were supported by Petrobras company and some initiatives with no success.
<b>Score obtained</b>	4 (Four)- The project proponent participates in programs/requests for proposal, and has secured funding, and initiatives have been put into practice. In the period analysed at least one initiative is operating.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	Rina verified the reports for the action taken in the Maupá region /08/ /11/.  As a response of CAR 3 only proposals during the monitoring period were included in the revised report.

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<b>Name of indicator</b>	Carbon credit investment
<b>Description of Indicator</b>	Evaluates whether proceeds from the sale of carbon credits was invested in the carbon project improvements or activities that benefit the local community.
<b>Assessment on current situation of the project</b>	The present document is being developed together with the 1 <sup>st</sup> Monitoring Report. No carbon credits generated up to the present moment.
<b>Score obtained</b>	1 (one)- The income generated by carbon credit sales was not invested in the carbon project or in the community, or there are no organized controls of the allocation of proceeds.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	No carbon credits generated/verified up to now.

### 3.3.3.4 Natural Resources

<b>Name of indicator</b>	Monitoring Methods
<b>Description of Indicator</b>	Measures the progression of project's monitoring methods, including for example: high-resolution GIS capable of detecting degradation; employment of guards/ supervisors; presence of guard towers or supervision centre within project area.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that two representatives of the community are responsible to monitor the area and deliver period reports to the project proponent.
<b>Score obtained</b>	2 (Two)- Project has one monitoring method but with significant issues leading to continued deforestation.
<b>Perspectives</b>	GIS technology to be introduced and another tree nursery to be constructed, using native species which will permit reforestation of degraded areas.
<b>Conclusion</b>	For the period assessed the information was collected by the representatives of the communities, interviewed during the on site visit.

<b>Name of indicator</b>	Efficiency of project in countering agents of deforestation/degradation
<b>Description of Indicator</b>	Measures the project's ability to reduce deforestation and degradation within the project area over the monitoring period corresponding to this SOCIALCARBON Report.
<b>Assessment on current situation of the project</b>	Projected deforestation in the baseline (January, 2003 – December, 2007 period): 3,069.40 ha. Real deforestation in the corresponding monitoring period (January, 2003 – December, 2007 period): 978.28 ha. Comparing: $978.28/3,069.40 = 31.87\%$ .
<b>Score obtained</b>	4 (four) Actual deforestation levels over monitoring period were between $50\% \leq x < 25\%$ of baseline predictions for the period.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	Rina verified the baseline and VERs spreadsheets for the SCS monitoring period that are under VCS verification /22/ /23/

<b>Name of indicator</b>	Non-timber forest products (NTFPs)
<b>Description of Indicator</b>	Evaluates the sustainable use of natural resources by communities in the project area for income generation. "NTFPs are biological resources or products from flora– which are not wood – obtained from forests for subsistence or for trade. They can come from native, primary or secondary forest, planted forest or agro-forestry systems. NTFPs include a wide range

## SOCIAL CARBON STANDARD VALIDATION REPORT

	of products including medicinal plants, fibres, resins, latex varieties, oils, rubbers, fruits, nuts, seasonings, dyes, rattan, bamboo, etc” (Brazilian Forest Service, 2013). Sustainable practices are taken to include the following: - Low-impact practices; - Exploitation/ collection practices of each NTFP which are compatible with their productivity levels without affecting their regeneration and/or conservation of each utilized species.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes the IBGE statistic for the management of açai in the project area, however there is no information if the community is using sustainable practices. Moreover, it is described that the Ecomapuá opened a store called Amzn’s to sell products manufactured by the Mapuá communities, however the store was closed.
<b>Score obtained</b>	2 (two)- Non-timber forest products are traded within the project area, however without sustainable practices.
<b>Perspectives</b>	Project owner plans to re open the store in another region.
<b>Conclusion</b>	Rina verified that the IBGE data base /18/ there is no information regarding the açai sustainability production in the project area. Moreover, PP presented the Amzn’s store project description /19/.

### 3.3.3.5 Biodiversity/Technology Resources

<b>Name of indicator</b>	Biodiversity research
<b>Description of Indicator</b>	Evaluates the existence of partnerships with universities and environmental bodies, among others, which contribute to/encourage research on biodiversity in the project area
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes the studies conducted on 2002, 2005 and 2006.
<b>Score obtained</b>	4 (Four)- Project proponent has formal partnerships with research bodies relating to biodiversity, and studies of fauna OR flora in the project area have been conducted.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	Rina verified the evidences for the studies described in the Social Carbon Report /12/ /13/ /14/ /15/ /16/.  As a response of CAR 4, the report was revised to consider the dates of the technical reports provided.

<b>Name of indicator</b>	Biodiversity conservation
<b>Description of Indicator</b>	Evaluates the existence of biodiversity conservation activities in the project area. E.g.: recovery of degraded areas, planting of native trees, environmental education, partnerships, among others.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that were provided courses to the community and also a forest nursery was constructed.
<b>Score obtained</b>	3 (three)- Biodiversity conservation activity is being undertaken; however there is no community involvement.
<b>Perspectives</b>	There are currently no foreseen improvements.
<b>Conclusion</b>	Rina visited the tree nursery in the Bom Jesus community and the courses were assessed on the indicator: “Extent of community education/training and alternative sources.

<b>Name of indicator</b>	Tree nursery and maintenance of planted trees
<b>Description of</b>	Evaluates the presence of a tree nursery, used for tree production in the

## SOCIAL CARBON STANDARD VALIDATION REPORT

<b>Indicator</b>	project area
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that a tree nursery was built in the project area.
<b>Score obtained</b>	2 (Two)- An active nursery for production of trees is present, but there is no control over numbers of trees produced/planted.
<b>Perspectives</b>	Improve the maintenance of the tree nursery.
<b>Conclusion</b>	Rina visited the tree nursery in the Bom Jesus community and verified that there is no control on the production.

### 3.3.3.6 Carbon Resources

<b>Name of indicator</b>	Project performance
<b>Description of Indicator</b>	Evaluates project performance in relation to verified emissions reductions. Project performance = Units verified in the Monitoring Report corresponding to the SCR period/ Estimate of emissions reductions in the VCS PD.
<b>Assessment on current situation of the project</b>	Regarding the 2003 - 2007 period (SCR period): Units verified in the Monitoring Report: 936,212 tCO <sub>2</sub> e Estimate of emissions reductions in the VCS PD : 1,042,877 tCO <sub>2</sub> e (based on recalculated parameters during the verification) Project performance = 89.8%
<b>Score obtained</b>	5 (Five)- Good: 76% to 95% of carbon credits predicted for the period were generated
<b>Perspectives</b>	There are currently no foreseen improvements
<b>Conclusion</b>	Rina verified the baseline and VERs spreadsheets for the SCS monitoring period that are under VCS verification /22/ /23/

<b>Name of indicator</b>	Buffer reduction
<b>Description of Indicator</b>	Measures the progression of the buffer in the current monitoring period compared to the previous monitoring period, or compared to the VCS PD if current SCR period is Point 0.
<b>Assessment on current situation of the project</b>	Buffer in the VCS PD: 26% The original VCS PD states that the buffer is 34%. However there was a mistake in the Opportunity Cost evaluation. This indicator previously scored eight points for considering that “where baseline activities are subsistence-driven, net positive community impacts are not demonstrated”. However, there were positive community impacts in the analyzed period, as detailed in this SCR. Therefore, the new buffer score of the VCS PD would be 26% instead of 34%. Buffer in the MR: 24% Reduction of around 7.7% in the buffer analysis
<b>Score obtained</b>	3 (Three)- The buffer reduced by up to 10% compared to the previous monitoring period (or compared to the PD).
<b>Perspectives</b>	There are currently no foreseen improvements
<b>Conclusion</b>	PP is conservatively considering the buffer forecast in the PD of 26 %. Rina verified the baseline and VERs spreadsheets for the SCS monitoring period that are under VCS verification /22/ /23/

<b>Name of indicator</b>	Stakeholder consultation methodology
<b>Description of Indicator</b>	Evaluates the methodology used for the stakeholder consultation.
<b>Assessment on current situation of the project</b>	The Social Carbon Report describes that various meetings and consultations were held with the local residents and are described in the “Fome Zero” report. However, there is no evidence that all the stakeholder groups were



## SOCIAL CARBON STANDARD VALIDATION REPORT

	invited and that one consultation per year was carried out.
<b>Score obtained</b>	3 (three)- comments were recorded.
<b>Perspectives</b>	The company plans to do more stakeholder consultation.
<b>Conclusion</b>	Rina verified that the report /08/ describes the meetings and consultations held during the project.

## SOCIAL CARBON STANDARD VALIDATION REPORT

### 3.3.4 Sustainability performance of the project

The results of the project performance are summarized in the following table:

Resource	Critical	Satisfactory	Sustainable	Average Score	General Performance
Social	75,0%	25,0%	0,0%	2	Critical
Human	50,0%	0,0%	50%	3,5	Satisfactory
Financial	50,0%	50,0%	0,0%	2,3	Critical
Natural	66,7%	33,3%	0,0%	2,7	Critical
Biodiversity	33,3%	66,7%	0,0%	3,0	Satisfactory
Carbon	0%	66,7%	33,3%	3,7	Satisfactory
<b>Overall Assessment</b>	<b>46%</b>	<b>40%</b>	<b>14%</b>	<b>2,8</b>	<b>Critical</b>

Critical: % of all the indicators that obtained scores 1 or 2

Satisfactory: % of all the indicators that obtained scores of 3 or 4

Sustainable: % of all the indicators that obtained scores of 5 or 6

Average Score: arithmetical average of the scores obtained for the resource

General performance: classification (critical, satisfactory, sustainable) of the average score obtained

Overall assessment: values obtained taking into account the performance of all the indicators of the six resources.

The different indicators are used for evaluating the performance of the project as follows: four indicators are used for evaluating the social resource and the performance is considered as critical; four indicators are used for evaluating the human resource and the performance is considered as satisfactory; four indicators are used for evaluating the financial resource and the performance is considered as critical; three indicators are used for evaluating the natural resource and the performance considered as critical; three indicators are used for evaluating the biodiversity resource and the performance is considered as satisfactory; four indicators are used for evaluating the carbon resource and the performance is considered as satisfactory.

Please refer the table in Section 3.3.3 for more information.

# SOCIAL CARBON STANDARD VALIDATION REPORT

## 4 VALIDATION CONCLUSION

RINA Services Spa (RINA) has performed the SOCIALCARBON validation of the project activity “Ecomapuá Amazon REDD Project” in Brazil, with regard to the relevant requirements for SOCIALCARBON STANDARD activities.

The SOCIAL CARBON Indicators for “Indicators for an Amazon REDD Project. Version 1.1 – November 08th, 2013” and the SOCIAL CARBON Methodology have been followed during the validation process of the project “Ecomapuá Amazon REDD Project”, particularly the project is in accordance to the six SOCIALCARBON Resources of the methodology: Social, Human, Financial, Natural, Biodiversity and Carbon.

The conclusions of this report show that the Point Zero evaluation, as it was described in the project documentation and SOCIALCARBON Report is in line with all applicable criteria for the validation. All details of the Indicators are accurate and the calculation correct.

## APPENDIX A

## RESOLUTION OF CORRECTIVE ACTION REQUESTS AND CLARIFICATION REQUESTS

Corrective action and/ or clarification requests	Reference to Report Sections	Response by project participants	Validation Conclusion
<p><b>CAR-1</b> In the section 1 of SCR version 1, the monitoring period is not correctly identified in accordance with the year point period of the Project. Moreover the row “Location” is not filled in.</p>	<p>Section 1</p>	<p>The monitoring period was corrected. Also, the location information was inserted.</p>	<p>The sections “year-point of project” and “location” were completed in the revised report.</p>
<p><b>CAR-2</b> The following points need to be clarified/corrected: - it is not clear if the projects without community description affected the project area - the courses number 5 (Seeds collection) and 6 (Sustainable management of açai ) are repeated in the table; - the evidence of the course number 1 (Açaí production course) was not provided; - verified that the participants described in the course number 3 (Gardening course) includes the Santo Amaro community; -clarify the date described in the report for the courses, for instance, the apiculture course evidence is a report from 2006 /06/.</p>	<p>Section 3.3.3.1</p>	<p>- As can be observed in the page 9 of the “Relat parcial_2003_projeto piloto de sequestro de carbono e geração de renda”, the gardening course befitted 40 people from Santo Amaro community and 3 representatives from Mapuá communities (the report did not specify from which community). - As can be observed in the page 12 of the “Relat parcial_2003_projeto piloto de sequestro de carbono e geração de renda”, the Animal protein production course befitted Santo Amaro community. - As can be observed in the page 8 of the “Apicultura_Piscicultura” report, the course was offered to Bom Jesus community. - The corrections requested were made in the report. - The açai production course was excluded from the SCR since we could not find an evidence.</p>	<p>This CAR is closed.  The report was revised accordingly to the evidences provided.  This CAR is closed.</p>
<p><b>CAR-3</b> The SCR describes some proposals for the indicator 11-Securing of funds that are not in the</p>	<p>Section 3.3.3.3</p>	<p>Ok, the securing of funds indicator was corrected.</p>	<p>Report was revised and only proposals applicable to the monitoring period are described.</p>

Corrective action and/ or clarification requests	Reference to Report Sections	Response by project participants	Validation Conclusion
<p>monitoring period (2003-2007)</p> <p><b>CAR-4</b> The dates of the technical reports (biodiversity research indicator) described in the Social Report for the São Domingos Farm /14/ and Santa Isabel/Brasileiros Farms /15/ are not in accordance with the evidences provided</p>	Section 4.5	Ok, the dates were corrected.	<p>This CAR is closed.</p> <p>Data was revised in compliance with the evidences provided.</p> <p>This CAR is closed</p>
<p><b>CAR-5</b> The table presented in the “attachment” of the Social Report version , the % of the levels evaluated as Critical, Satisfactory and Sustainable presented for the indicators “Natural resources” and “Technology Resource” (Biodiversity/ Technology Resource) are not correctly calculated /20/.</p>	Attachment	Ok, the spreadsheet was revised and corrected in the SCR.	<p>Documents were revised accordingly.</p> <p>This CAR is closed</p>
<p><b>CL-1</b> Table 2 of the Social Carbon Report version 1 lists 8 communities existing in the Mapuá region, that can be affected by the project activity. However, verified that in some indicators of the report it has been accounted/described actions taken for the Santo Amaro community that is not included in the list.</p>	Section 2.2	The Santo Amaro community was included in the list. To the SCR evaluation all the Mapuá and Pararauá areas are considered, because it is possible to develop social and environmental activities outside the project area.	<p>The report was revised and Pararauá that comprises Santo Amaro community area is included in the SCR evaluation.</p> <p>This CL is closed</p>
<p><b>CL-2</b> Clarify why some actions that are described in the Social Carbon Report version 1 were done in 2002, before the monitoring period (2003-2007). Moreover, for transparency, it is requested to include a timeline of the project, including the main events and actions taken.</p>	Section 4.1	The project start date is September 01 <sup>st</sup> , 2002. Therefore, the monitoring period was corrected to September 01 <sup>st</sup> 2002 to December 31 <sup>st</sup> 2007. As requested, a timeline was included in the SCR.	<p>The monitoring period was revised and a timeline was included in the revised report.</p> <p>This CL is closed</p>



RINA

**CERTIFICATO DI QUALIFICA  
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:  
*We declare that Mr/Mrs/Ms:*

**Thais De Lima Carvalho**

è qualificato come<sup>1</sup>:  
*is qualified as:*

**CDM/VCS/GS/SCS (TEC, VAL, VER, TL)**

per le seguenti aree tecniche:  
*for the following technical areas:*

**1.2, 13.1**

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Energy generation from renewable Energy sources	1
13.1	Waste handling and disposal	13

in accordo alle istruzioni della Divisione Certificazione.  
*in accordance with the instructions of the Certification Division.*

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	19-08-2009	-
10	16/05/2014	Updated qualification according to IS-QPT-GHG-00 REV13

Il Resp. QPT  
*Head of QPT*

<sup>1</sup> Legend:

VAL:	Validator	CDM: Clean Development Mechanism
VER:	Verifier	VCS : Verified Carbon Standard:
TEC:	Technical Expert	GS: Gold Standard
TL:	Team Leader	SCS: SocialCarbon Standard
FIN-EXP:	Financial Expert	JI: Joint Implementation
DET:	Determiner	

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

*RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports*



RINA

**CERTIFICATO DI QUALIFICA  
QUALIFICATION CERTIFICATE**

Si attesta che il sig./sig.ra:  
We declare that Mr/Mrs/Ms:

**Rita Valoroso**

è qualificato come1:  
is qualified as:

**CDM-TEC, CDM-VAL, CDM-VER, CDM-TL, CDM-FIN-EXP  
VCS-TEC, VCS-VAL, VCS-VER, VCS-TL, VCS-FIN-EXP  
GS-TEC, GS-VAL, GS-VER, GS-TL, GS-FIN-EXP  
SCS-TEC, SCS-VAL, SCS-VER, SCS-TL, SCS-FIN-EXP  
JI-TEC, JI-FIN-EXP**

per le seguenti aree tecniche:  
for the following technical areas:

**1.2, 13.1**

<b>AREE TECNICHE TECHNICAL AREAS</b>	<b>DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION</b>	<b>SCOPO SETTORIALE SECTORAL SCOPE</b>
1.2	Energy generation from renewable Energy sources	1
13.1	Waste Handling and Disposal	13

in accordo alle istruzioni della Divisione Certificazione.  
in accordance with the instructions of the Certification Division.

<b>REVISIONE REVISION</b>	<b>DATA DATE</b>	<b>MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION</b>
0	18-01-10	-
7	12-07-13	Annual revision

Il Resp. QPT  
Head of QPT

<sup>1</sup> Legend:

VAL: Validator  
VER: Verifier  
TEC: Technical Expert  
TL: Team Leader  
FIN-EXP: Financial Expert  
DET: Determiner

CDM: Clean Development Mechanism  
VCS: Verified Carbon Standard:  
GS: Gold Standard  
SCS: SocialCarbon Standard  
JI: Joint Implementation

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

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