

<b>Project Title</b>
Vichada Climate Reforestation Project (PAZ)
<b>Gold Standard ID</b>
4221
<b>Type of Certification</b>
<input type="checkbox"/> Initial Certification <input checked="" type="checkbox"/> Performance Certification <input checked="" type="checkbox"/> New Area Certification
<b>Dual Certification</b>
<input checked="" type="checkbox"/> FSC - Dual certification  If the project is certified according the Forest Stewardship Council (FSC), the certification status replaces the completion of this template. Please provide the 'FSC Audit Report' in the <i>supporting documents</i> of section '3. Sustainability' and provide a reference to this <i>supporting document</i> in this template:  <b>Supporting documentation:</b> - RSP_MO_FM_G_ForestFinestConsulting_00xxxx_19_s_final.pdf - RSP_CERT_FSC_FM_Annex_ForestFinest_004132_19_s.pdf

Copy the table for each

- mitigation measure identified in the chapter '3.1 Do-No-Harm Assessment' with the risk rating of 'medium' or 'high', AND
- indicator identified by the Sustainable Development Assessment in the chapter '3.2 Local Stakeholder Consultation' rated as positive (+1) or negative (-1) , AND
- mitigation measure identified by the Sustainable Development Assessment in the chapter '3.2 Local Stakeholder Consultation' that will neutralize the negative indicators

The following Monitoring items are as presented in Project Developer's 2016 (29.08.2016) Certification Audit (i.e. Sustainability Monitoring Plan template).

## 3.5 Sustainability Monitoring Plan

Sustainability Monitoring ID	Air Quality	
Indicator for	Mitigation climate change	
Mitigation measure	Based on results. PAZ15-FIX1	
Chosen parameter	Amount of carbon sequestration (tCO <sub>2</sub> equivalents reduction)	
Current situation of parameter	Under implementation	
Estimation of baseline situation of parameter	See Template "Baseline" tCO <sub>2</sub> equivalents reduction due to planted trees compared with baseline scenario	
Target for parameter	Carbon sequestration-mitigation on climate change-improves air quality	
Monitoring	How will it be monitored and documented?	GS and FSC certification. WWF and UNDP cooperation ( PAZ15-LSC1, page 13,14)
	Who is responsible for monitoring and documentation?	Project developer

When will it be monitored (duration and frequency)?	Annual basis. Crediting period
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<b>Sustainability Monitoring ID</b>	<b>Water quality and quantity</b>	
Indicator for	Forestry and Water Protection	
Mitigation measure	<p>-Forests act like sponges preventing from flooding during rainy periods and providing water through percolation in dry seasons.          -Efficient water usage for project activities and water management (potable water, consumption, quality and quality).          -Baseline scenario (grassland/savannah)</p> <p>See folders and documents:          - PAZ15-SFM1, page 185          - Mapping          - Sustainable Forest Management Plans          - FSC Group Certification          - Progress_report_2017_2018_Screen.pdf. Pages 14, 18-19          - SIG-FT-26 Cuestionario GS-julio 2019.pdf          - SIG-FT-26 Informe parcial enero a junio 2019.pdf          - Anexo 12 - Documento Preliminar de Avances Plan de Manejo Humedal Ramsar Bitá Marzo2019.pdf          - Anexo 13 - Presentación Avances Fundación Omacha - Cuenca Río Bitá.pdf</p> <p>See supporting documentation in Section A.1</p>	
Chosen parameter	Measurement of sedimentation	
Current situation of parameter	Under implementation	
Estimation of baseline situation of parameter	Under control (PAZ15-SFM1, page 69) Transformation of grassland/savannah and degraded land to forest	
Target for parameter	Sustainable forest and water management, water protection	
Monitoring	How will it be monitored and documented?	GS and FSC certification
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

<b>Sustainability Monitoring ID</b>	<b>Soil Conditions</b>
Indicator for	Sustainable soil management
Mitigation measure	<p>Based on results. PAZ15-SFM1</p> <p>See folders and documents:          - MAPA UNIDAD DE MANEJO FORESTAL- ALDEA FORESTAL S.pdf          - 2019 PLAN DE MANEJO FORESTAL SOSTENIBLE (PMFS).pdf          - FSC certification (RSP_MO_FM_G_ForestFinestConsulting_00xxx_19_s_final.pdf)          -PMFS Reforestadora la Paz 2019.pdf          -SIG-FT-37 Plan de manejo forestal sostenible .pdf          - Carbon model</p>

Chosen parameter		Increase organic soils
Current situation of parameter		MRV under implementation
Estimation of baseline situation of parameter		Under control (PAZ15-SFM1)
Target for parameter		Increase organic soil and prevent erosion
Monitoring	How will it be monitored and documented?	GS and FSC certification Using PAZ15-SFM1
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

<b>Sustainability Monitoring ID</b>		<b>Biodiversity</b>
Indicator for		Flora and Fauna protection
Mitigation measure		<p>The project has more than 11,000 hectares classified as conservation that are used as corridors, creating interconnectivity between different forest fragments and other natural areas to promote/enhance conservation and biodiversity. IUCN Red List and IBAT mapping tool</p> <p>See folders and documents: Monitoring biodiversity ( PAZ15-LSC1, page 13,14) -FSC certification (RSP_M0_FM_G_ForestFinestConsulting_00xxx_19_s_final.pdf) -2019 PLAN DE MANEJO FORESTAL SOSTENIBLE (PMFS).pdf - PMFS Reforestadora la Paz 2019.pdf - SIG-FT-37 Plan de manejo forestal sostenible .pdf - SIG-FT-37- REGISTRO FOTOGRAFICO PMF.pdf -SG-A-PG-04 Programa uso y manejo de atributos AVC.pdf - Progress_report_2017_2018_Screen.pdf. Pages 14, 18-19 -Anexo 12 - Documento Preliminar de Avances Plan de Manejo Humedal Ramsar Bitá Marzo2019.pdf -Anexo 13 - Presentación Avances Fundación Omacha - Cuenca Río Bitá.pdf - LIBRO BIODIVERSIDAD DEL RÍO BITA.pdf -ibat_profile_colombia.pdf See supporting documentation in Section A.1</p>
Chosen parameter		Endangered endemic species. IUCN Red List
Current situation of parameter		Under implementation WWF-UNDP ( PAZ15-LSC1, page 13,14)
Estimation of baseline situation of parameter		From constant forest loss and degraded/fragmented land to forest conservation Important species in the area (Birdlife International) as part of the IUCN and IBAT mapping tool
Target for parameter		Endemic or threatened flora and fauna species
Monitoring	How will it be monitored and documented?	GS and FSC certification
	Who is responsible for monitoring and documentation?	Project Developer

When will it be monitored (duration and frequency)?	Crediting period
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Sustainability Monitoring ID		Quality of employment / Human and Institutional Capacity
Indicator for	Health and Industrial Security and Capacity Building	
Mitigation measure	<p>The company provides every year different capacity buildings in diverse technical topics related with sustainable management Employees are encouraged to be part of technical and management capacity building programs to improve their working skills. PAZ 15-SFM1, page 165 to 178</p> <p>Soportes de algunas capacitaciones sociales, ambientales y SST.pdf Inducción administrativa - Beneficios a empleados - 20190921.pdf ANEXO 2. SIG-MZ-05 Cronograma capacitaciones 2019.pdf Información Documental Empleados INVERBOSQUES.zip Información Formaciones - Capacitaciones (Empleados y Comunidades) INVERBOSQUES.zip</p>	
Chosen parameter	Capacity building	
Current situation of parameter	Implemented	
Estimation of baseline situation of parameter	( PAZ15-SFM1, page 155)	
Target for parameter	Improve know how and prevent accidents	
Monitoring	How will it be monitored and documented?	GS and FSC certification
	Who is responsible for monitoring and documentation?	Project developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

Sustainability Monitoring ID		Livelihood of the poor
Indicator for	Education and capacity building	
Mitigation measure	<p>The project collaborates with the main schools to increase regional education and reduce illiteracy PAZ 15-SFM4 PAZ15-DNH7-page 3 Further employees are encouraged to be part of technical and management capacity building programs to improve their working skills. PAZ 15-SFM1, page 165 to 178 SIG-FT-37- REGISTRO FOTOGRAFICO PMF.pdf (see Images 31-34)</p>	
Chosen parameter	Reduce illiteracy	
Current situation of parameter	Under implementation	
Estimation of baseline situation of parameter	PAZ 15-SFM4	
Target for parameter	Improve regional knowledge of children- education and impact optimization among local communities	

Monitoring	How will it be monitored and documented?	Project Developer's records, GS and FSC certification
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

<b>Sustainability Monitoring ID</b>		<b>Green investment</b>
Indicator for		Access to investment
Mitigation measure		Individuals, small, medium and large enterprises direct forest investments through different channels to maintain, improve and develop project activities FSC report and/or management certificates. Records, statements and reports of the annual harvest estimation of the main commercial species in the project locations. Public record, documents and reports about annual operations
Chosen parameter		Product development
Current situation of parameter		Under implementation
Estimation of baseline situation of parameter		Type and number of sustainability certification schemes that act as a catalyst bringing economic benefits by opening new markets and customer base diversification Individuals, small, medium and large enterprises direct forest investments through different channels to maintain, improve and develop project activities
Target for parameter		Small, medium and large investors, national and international
Monitoring	How will it be monitored and documented?	Annual public records, FSC and GS certification
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

<b>Sustainability Monitoring ID</b>		<b>Technology transfer and know how</b>
Indicator for		International Cooperation
Mitigation measure		International cooperation between Germany and Colombia allows technology transfer mechanisms and know-how exchange as an instrument to support the project activities Further the project receives feedback from the main regional, national and international actors ( LSC Template and PAZ15-LSC1 page 18, 19) See: ANEXO 2 (folder) / ANEXO 2-convenio aldea forestal- conif noviembre 2012.pdf ANEXO 2-convenio No. 1 Universidad Tolima.pdf
Chosen parameter		Know how transfer
Current situation of parameter		Under implementation

Estimation of baseline situation of parameter		From local know how to global know how
Target for parameter		Project Developer's employees and other organizations such as NGOs, universities, research centre, local government.
Monitoring	How will it be monitored and documented?	Project Developer's records, GS and FSC certification
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period

<b>Sustainability Monitoring ID</b>		<b>Ground Water (DNH36)</b>
Indicator for		Ground water protection
Mitigation measure		Sample ground water levels to prevent any medium-high impact from planting trees
Chosen parameter		Ground water level
Current situation of parameter		Under implementation
Estimation of baseline situation of parameter		N/A
Target for parameter		Maintain the ground water level
Monitoring	How will it be monitored and documented?	This topic has been classified as: relevant with a medium risk. Therefore included inside the SMP Template as a mitigation strategy. A monitoring system is under development to cover this topic. Some sampling information was already done that can be use as baseline scenario. See PAZ15-SMP1, page 49, 50, table # VII-7 and 8
	Who is responsible for monitoring and documentation?	Project Developer
	When will it be monitored (duration and frequency)?	Annual basis. Crediting period