



« Le Verger de la Plaine » Auvergne-Rhône-Alpes (26)



This project involves the planting of an organic orchard. The planting, carried out between autumn 2020 and spring 2021, was carried out with almond trees. This project is labelled “Bas-Carbone” and will result in the emission of carbon credits certified by the Ministry of Ecological Transition (MTE).

Starting date of the project	Soil preparation and planting between autumn 2020 and spring 2021		
Project Localisation Places of implementation of the project at this stage and targeted geography if replicable.	Town: Châteauneuf-du-Rhône (26780) Department: Drôme Region: Auvergne-Rhône-Alpes		
Project objectives Type of climate innovation of the project with a description of the problem/issue addressed	In a climate change context and within the framework of the “Bas-Carbone” Label, this orchard planting project, to which Iliad Group is exclusively contributing, will result in the emission of carbon credits certified by the Ministry of Ecological Transition (MTE). The project should reduce greenhouse gas emissions by 396 tCO ₂ eq over the next 20 years.		
Detailed project description	This is an organic orchard planting of almond trees project. It covers an area of 9.35 hectares, for a total of 2580 almond plants.		
Main project's drivers for reducing the greenhouse gas emissions Enter the information in the appropriate boxes	Reduction levers	Details on the aspects of the project	
	<input type="checkbox"/> Energy and resource efficiency (including behaviour)		
	<input type="checkbox"/> Energy Decarbonisation		
	<input type="checkbox"/> Energy efficiency improvements		
	<input type="checkbox"/> Improving efficiency in non-energy resources		
	<input checked="" type="checkbox"/> Emissions absorption: creation of carbon sinks, negative emissions (BECCS, CCU/S, ...)	Planting of 2580 trees allowing a reduction of greenhouse gas emissions by 396 tCO ₂ over a 20-year period.	
	<input type="checkbox"/> Financing low-carbon producers or disinvestment from carbon assets		
<input type="checkbox"/> Reduction of other greenhouse gases emission			
Emission scope(s) on which the project has a significant impact and quantification of GHG emission reductions per emission scope Indicate the aspects of the project that contribute to the reduction of emissions per category of emissions considered (left-hand column) and the quantification of associated emissions. Indicate the main hypotheses and calculation steps in the intended section (below the table) For further details, please refer to the methodology guidelines.	Aspects of the project contributing to the reduction of emissions by emission category	Quantification of associated GHG emissions by emission category Please follow the quantification methodology used in the Afep guidelines .	
	Reduction of the company's carbon dependency		
	Scope 1 <i>Direct emissions generated by the company's activity.</i>		
	Scope 2 <i>Indirect emissions associated with the company's electricity and heat consumption.</i>		
Scope 3 <i>Emissions induced (upstream or downstream) by the company's activities, products</i>			

	<p><i>and/or services in its value chain.</i></p> <p>Increase of carbon sinks</p> <p>Emissions Absorption <i>Carbon sinks creation, (BECCS, CCU/S, ...)</i></p> <p>GHG emissions avoided by the company at third parties</p> <p>Avoided Emissions <i>Emissions avoided by the activities, products and/or services in charge of the project, or by the financing of emission reduction projects.</i></p> <p>Anticipated greenhouse gas emissions avoided, attributable to the iliad Group = 396 tCO₂ (or an average of 20 tCO₂/year or almost 2 tCO₂/ha/year)</p>		
	<p>Clarification on the calculation or other remarks: Emissions reductions attributed to iliad Group are voluntarily lower than the total EERs that can be generated by the project (safety reduction applied by STOCK CO₂).</p>		
Modality of verification of the quantification.	<p>Calculation standard used (ADEME base, GHG protocol, etc.): Calculator certified by the Ministry of Ecological Transition (MTE)</p> <p>Verification of the calculation (internal or external): Double external verification: Ministry of Ecological Transition + STOCK CO₂</p>		
<p>Other environmental and social benefits of the project</p> <p>If possible, list the impacts and Sustainable Development Objectives concerned</p>	<p>Organic farming certification: This project is certified as organic farming, thus contributing to soil and biodiversity preservation through related practices, which gives it an overall co-benefits score of 100% according to the "Bas-Carbone" Label methodology.</p>		
<p>Project maturity level</p> <p>Tick the corresponding current maturity level</p>	<p><input type="checkbox"/> Prototype laboratory test (TRL 7)</p> <p><input type="checkbox"/> Real life testing (TRL 7-8)</p> <p><input type="checkbox"/> Pre-commercial prototype (TRL 9)</p> <p><input type="checkbox"/> Small-scale implementation</p> <p><input checked="" type="checkbox"/> Medium to large scale implementation</p> <p>Remarks: The project is already planted and labelled "Bas-Carbone" by the Ministry of Ecological Transition</p>		
Capacity and conditions of the project reproducibility, with associated climate impact mitigation potential	<p>This project complies with the "Orchard planting" method of the Bas-Carbone Label, approved by the Ministry of Ecological Transition (MTE). STOCK CO₂ develops numerous "Bas-Carbone" projects of the same type as a representative, and is the 1st operator to have labelled orchard planting projects.</p>		
Amount of investment made (in €)	17 804,16 €		
Economic profitability of the project (ROI)	<p><input type="checkbox"/> ST (0-3 years)</p> <p><input type="checkbox"/> MT (4-10 years)</p> <p><input checked="" type="checkbox"/> LT (> 10 years)</p> <p>Remarks: Obtaining the "Bas-Carbone" Label for the project is conditioned by the economic additionality of the project following an economic analysis carried out by STOCK CO₂, validated by the authority (MTE), and demonstrating that the project is less profitable than the absence of the project. Moreover, the first harvests will not take place until several years after planting.</p>		
Engaged partnerships	<p>The iliad Group has chosen STOCK CO₂ for its portfolio of forestry and agricultural "Bas-Carbone" Label projects for the years 2021-2022.</p>		
Open comments from the project owner	<p>The voluntary contribution to "Bas-Carbone" labelled projects in France demonstrates the local commitment of iliad Group, and allows the creation of territorial equalisation.</p>		
More about the project			
<p>Contact the company carrying the project</p> <p>Please specify an ad hoc e-mail address that will allow the reader to contact the project company directly</p>	<p>STOCK CO₂ on behalf of the iliad Group contact@stock-co2.fr</p> <p>iliad Group Paul Jumentier pjumentier@iliad.fr</p>		
Project URL links	<p>Statement iliad Group: https://www.iliad.fr/en/actualites/article/climate-strategy-major-headway-in-7-areas-168</p>		

	Ministry of Ecological Transition: https://www.ecologie.gouv.fr/label-bas-carbone
Illustrations of the project 3 photos/videos minimum (in HD format to be attached)	+ 4 pictures