

# « Le Bois de la Croix Verte » Pays de la Loire (44)



This project involves the afforestation of land that has been abandoned by agriculture. The afforestation, carried out between autumn 2021 and spring 2022, is a mixture of six deciduous and resinous varieties. This project is labelled “Bas-Carbone” and will result in the emission of carbon credits certified by the Ministry of Ecological Transition (MTE).

<b>Starting date of the project</b>	Soil preparation and planting between autumn 2021 and spring 2022		
<b>Project Localisation</b> Places of implementation of the project at this stage and targeted geography if replicable.	Town: Legé et Corcoué-sur-Logne (44650) Department: Loire-Atlantique Region: Pays de la Loire		
<b>Project objectives</b> 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 afforestation project, to which Iliad Group is exclusively contributing, will result in the emission of carbon credits certified by the Ministry of Ecological Transition (MTE). This project should enable to store 1141 tCO <sub>2</sub> eq over the next 30 years.		
<b>Detailed project description</b>	This is an afforestation project on abandoned agricultural land, bordering an existing forest. This afforestation will complete a forested area. It covers an area of 5.05 hectares, with a mixture of 6 deciduous and resinous varieties for a total of 7740 plants.		
<b>Main project's drivers for reducing the greenhouse gas emissions</b> Enter the information in the appropriate boxes	<b>Reduction levers</b>	<b>Details on the aspects of the project</b>	
	<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 7740 trees allowing carbon storage in plant biomass, soil and wood products, over a 30-year period.	
	<input type="checkbox"/> Financing low-carbon producers or disinvestment from carbon assets		
<input type="checkbox"/> Reduction of other greenhouse gases emission			
<b>Emission scope(s) on which the project has a significant impact and quantification of GHG emission reductions per emission scope</b> 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)	<b>Aspects of the project contributing to the reduction of emissions by emission category</b>	<b>Quantification of associated GHG emissions by emission category</b>  Please follow the quantification methodology used in <a href="#">the Afep guidelines</a> .	
	<b>Reduction of the company's carbon dependency</b>		
	<b>Scope 1</b> <i>Direct emissions generated by the company's activity.</i>		
	<b>Scope 2</b> <i>Indirect emissions associated with the company's electricity and heat consumption.</i>		
	<b>Scope 3</b>		

For further details, please refer to the methodology guidelines.	<i>Emissions induced (upstream or downstream) by the company's activities, products and/or services in its value chain.</i>		
	<b>Increase of carbon sinks</b>		
	<b>Emissions Absorption</b> <i>Carbon sinks creation, (BECCS, CCU/S, ...)</i>	Total emissions reductions that can be generated by the project = Anticipated emissions reductions "forest" + Anticipated emissions reductions "products" + Anticipated indirect emissions reductions  $EER_{Total} = AER_{forest} + AER_{products} + IER_{substitution}$	Total emissions reductions that can be generated by the project attributable to Iliad Group = <b>1141 tCO<sub>2</sub>/year (or an average of 38 tCO<sub>2</sub>/ha/year)</b>
	<b>GHG emissions avoided by the company at third parties</b>		
	<b>Avoided Emissions</b> <i>Emissions avoided by the activities, products and/or services in charge of the project, or by the financing of emission reduction projects.</i>		
<b>Clarification on the calculation or other remarks:</b> 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 CO <sub>2</sub> ).			
<b>Modality of verification of the quantification.</b>	<b>Calculation standard used (ADEME base, GHG protocol, etc.):</b> Calculator certified by the Ministry of Ecological Transition (MTE) <b>Verification of the calculation (internal or external):</b> Double external verification: Ministry of Ecological Transition + STOCK CO <sub>2</sub>		
<b>Other environmental and social benefits of the project</b>  If possible, list the impacts and <a href="#">Sustainable Development Objectives</a> concerned	<b>Consideration of aquatic environments:</b> The afforestation of these plots takes into account the surrounding aquatic environments and contributes to the improvement of biodiversity linked to wetlands.  <b>Resilience:</b> The multiplicity of varieties planted reduces the risk of future health attacks and increases the resilience of the forest to climate change.  <b>Biodiversity:</b> The afforestation of these plots will create a continuity of forest cover and facilitate the movements of wildlife.		
<b>Project maturity level</b>  Tick the corresponding current maturity level	<input type="checkbox"/> Prototype laboratory test (TRL 7) <input type="checkbox"/> Real life testing (TRL 7-8) <input type="checkbox"/> Pre-commercial prototype (TRL 9) <input type="checkbox"/> Small-scale implementation <input checked="" type="checkbox"/> Medium to large scale implementation  <b>Remarks:</b> The project is already planted and labelled "Bas-Carbone" by the Ministry of Ecological Transition		
<b>Capacity and conditions of the project reproducibility, with associated climate impact mitigation potential</b>	This project complies with the "Afforestation" method of the Bas-Carbone Label, approved by the Ministry of Ecological Transition (MTE). STOCK CO <sub>2</sub> develops numerous "Bas-Carbone" projects of the same type as a representative, and is the 1st forestry operator of the "Bas-Carbone" label for the last 2 years with 35% of the labelled volumes (tCO <sub>2</sub> eq).		
<b>Amount of investment made (in €)</b>	31 638,88 €		
<b>Economic profitability of the project (ROI)</b>	<input type="checkbox"/> ST (0-3 years) <input type="checkbox"/> MT (4-10 years) <input checked="" type="checkbox"/> LT (> 10 years)  <b>Remarks:</b> 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 CO <sub>2</sub> , validated by the authority (MTE), and demonstrating that the project is less profitable than the absence of the project.		
<b>Engaged partnerships</b>	The Iliad Group has chosen STOCK CO <sub>2</sub> for its portfolio of forestry and agricultural "Bas-Carbone" Label projects for the years 2021-2022.		
<b>Open comments from the project owner</b>	The voluntary contribution to "Bas-Carbone" labelled projects in France demonstrates the local commitment of Iliad Group, and allows the creation of territorial equalisation.		
<b>More about the project</b>			

<b>Contact the company carrying the project</b>  Please specify an ad hoc e-mail address that will allow the reader to contact the project company directly	STOCK CO2 on behalf of the iliad Group <a href="mailto:contact@stock-co2.fr">contact@stock-co2.fr</a>  iliad Group Paul Jumentier <a href="mailto:pjumentier@iliad.fr">pjumentier@iliad.fr</a>
<b>Project URL links</b>	Statement iliad Group: <a href="https://www.iliad.fr/en/actualites/article/climate-strategy-major-headway-in-7-areas-168">https://www.iliad.fr/en/actualites/article/climate-strategy-major-headway-in-7-areas-168</a>  Ministry of Ecological Transition: <a href="https://www.ecologie.gouv.fr/label-bas-carbone">https://www.ecologie.gouv.fr/label-bas-carbone</a>
<b>Illustrations of the project</b>  3 photos/videos minimum (in HD format to be attached)	+ 3 pictures