


5.17 Microsoft

Partners	
Main objective	Development of a digital tool that allows the generation of relevant scenarios in the implementation of natural climate solutions.
Scopes	<ul style="list-style-type: none"> • Generate knowledge and develop capacities for the evaluation of relevant scenarios in the implementation of natural climate solutions, strengthening the Science, Technology and Innovation System of ECOPETROL • Produce an integrated digital platform for Research and Development that allows to know the changes suffered in the ecosystems and the evaluation of scenarios that allow the implementation of natural climate solutions and possible carbon projects. This product is fundamental for the development in the next phases of the digital <i>twin</i> of ecosystems and the carbon observation system.
Ecosystems on which actions are developed	<ul style="list-style-type: none"> - It is addressed spatially throughout the national territory.
Social participation scenarios	<p>Prepare to mitigate the causes and adapt to the effects of climate change, have a tool for the management of the territory and climate change in the country, which is strong and efficient.</p> <p>Ecopetrol:</p> <ol style="list-style-type: none"> 1. Assimilate knowledge in spatial analysis of the territory to identify opportunities for carbon projects to leverage the goals of Ecopetrol and the country in decarbonization and carbon neutrality. 2. Increase technical and scientific capacities 3. Reputational and corporate image benefit by participating in a project that generates knowledge and encourages research and development in the country. 4. Study state-of-the-art technological solutions that respond in the future to some of Ecopetrol's needs, especially in its Decarbonization strategy.
Main results	<ol style="list-style-type: none"> a. Generation of an integrated digital platform for the processing of geospatial information of ecosystems for the acquisition and processing of data that allows evaluating strategic scenarios in the implementation of natural climate solutions. b. Generate primary information on ecosystems that may be of interest to Ecopetrol, academia, communities among others. c. Repository for geo-spatially referenced information related to natural climate solutions.