

Nature Based Project Proposal



ecosostenibile.eu

Summary

1. PROJECT PROPONENT	2
2. THE BRAZILIAN CARBON CREDITS ORIGINATION PILOT PROJECT®.....	2
3. PURPOSE AND OBJECTIVES OF THE PILOT PROJECT®	4
4. REGENERATION CARBON CREDITS RATING	4

Disclaimer: *This Document (together with any other information that may be provided) is reserved and confidential, and has been made available on the condition that it can be used only and exclusively by the recipient of this Document and in relation to the project described. The information contained therein is strictly linked to the oral comments that accompany it and can only be used by the people for whom it is intended. Furthermore, this Document may not be disclosed to other people or reproduced in its entirety or in part for purposes other than the project described. Copying, publishing or distributing the material contained in this document is prohibited and may be illegal.*

1. Project Proponent

ecosostenibile.eu® Benefit Company, is the innovative ESGtech startup that accelerates the transition towards a low-carbon & high-circular economy by creating analysis methodologies of the main metrics based on international standards (IE Carbon footprint, Carbon Credits, Circular Economy) in SaaS mode with [eCO₂](https://ecosostenibile.eu)®: the only platform that allows companies to achieve ESG objectives, measuring sustainability, fulfilling compliance (IE CSRD, SFDR) with an ALL-IN-1 approach.

[eCO₂](https://ecosostenibile.eu)® automates data collection directly from company ERP via API gateway and has available a BigData of 12,000 DataPoints/year per customer, a benchmarker for ESG certified reporting to each market sector, necessary for machine learning algorithms and predictive models of AI behind our dashboards. [eCO₂](https://ecosostenibile.eu)® is able to measure and certify (by Third Party) carbon footprint, circular economy, energy efficiency, carbon credit, ETS and every ESG KPI in the company; manages the governance and reporting of each ESG strategic process by planning and controlling through completely custom dashboards and simulation models, guaranteeing immediate savings and absolute service levels.

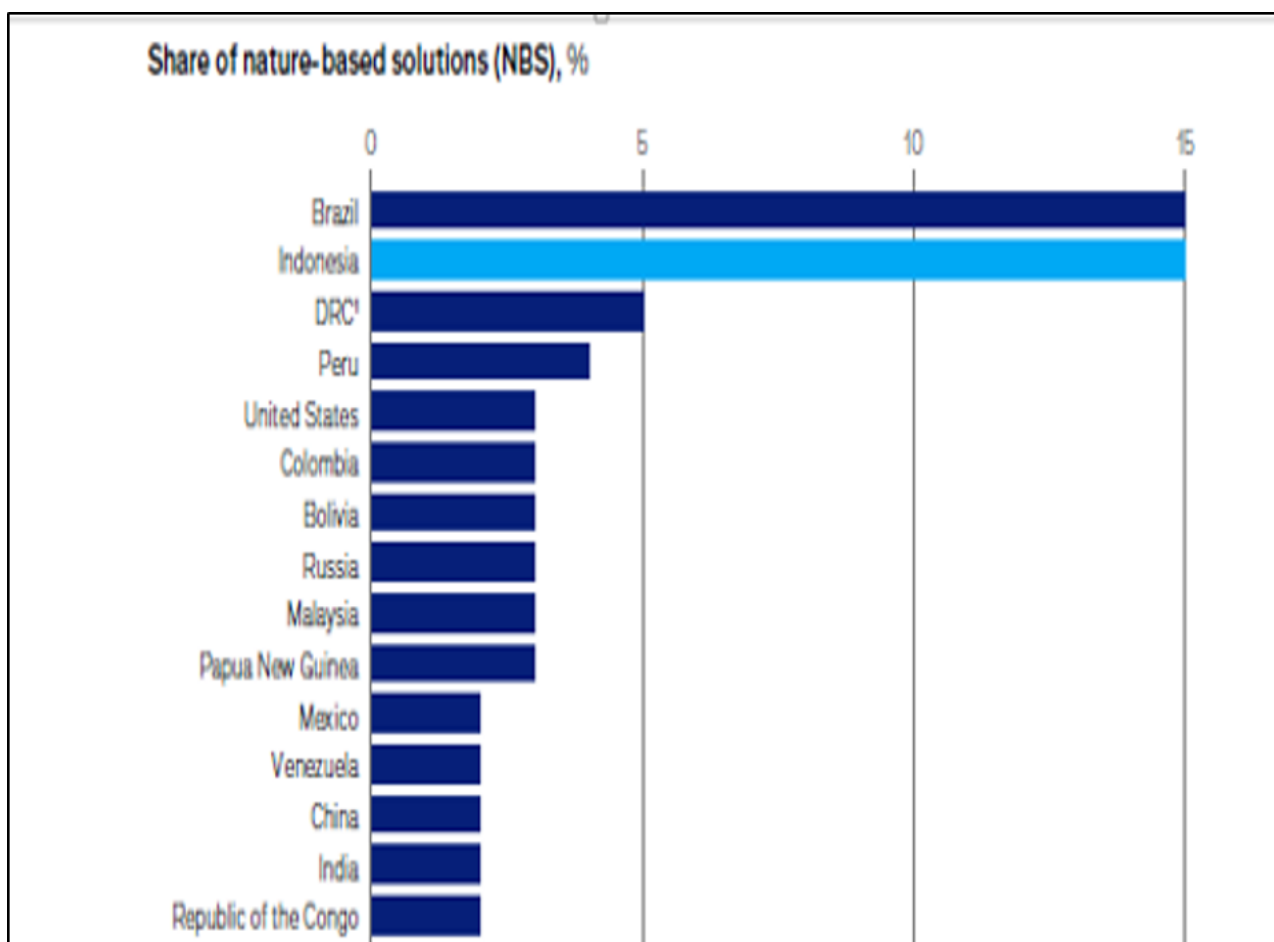
We closed the pre-seed round with CDP, Zest, Invitalia and LazioInnova, we were accelerated by **ZERO** ([Repubblica greenandblue.it](https://Repubblica.greenandblue.it)); our partners: Harley & Dickinson, Capgemini, NTT Data, Neosperience and we have been selected by InnovIT, the center for Italian innovation in Silicon Valley.

2. The Brazilian Carbon Credits Origination Pilot Project®

Reducing emissions requires reversing deforestation through ecosystem restoration and sustainable Forest Management, Reforestation and Afforestation, improving the use of Nature Based Solutions (NBS) to generate carbon credits. Carbon Credits may be issued if the emission reduction is, among other things, permanent, accurate, measurable, and results from climate change mitigation actions. The CC may be used both in carbon trading and to obtain green financing to support sustainable forestry management practices, including reforestation, mangrove and peat restoration.

The ecosostenibile.eu® program could be launched at COP 30 with related Position Paper following the Memorandum of Understanding between an our partner and the Indonesian Government in the UN Adaptation & Mitigation framework, for the preservation of Jakarta afflicted by the dramatic specter of subsidence and the restoration of Indonesia's new capital Nusantara, restoring and protecting over the next 20 years, more than 5 million hectares of native forest in some of Indonesia's most valuable ecosystems, constitutes a unique opportunity for driving the design and valorization of NBS, considering that Indonesia has among the largest potential of any country globally, translating to over 2 GtCO₂ in carbon credit assets.

Italian team, with over 20 years of international experience in carbon management, (in Brazil since 2008 jointly with Instituto E), is ready to support Forest Regeneration Pilot



Project and the connected origination of carbon credits, in developing a tailor made original patented methodology, compliant with ISO standards, European regulations, in compliance with the UNFCCC and Kyoto Protocol objectives¹; the methodology will be validated by an international third Entity, able of exploiting the carbon economic value linked to Nature Based Solutions. We are looking forward to working in Brazil as part of the **NBS CCO Project** initiative. To this end, we are designing the Brazilian Carbon Credits Origination Pilot Project® taking inspiration by our NBS CCO Program in the Republic of Indonesia.

Work Plan:

We suggest to arrange a meeting with the board and the experts to submit our Pilot Project proposal in order to check your evaluation and hopefully to agree to details of a joint work program:

- the Pilot Project area;
- the Brazilian partners;
- the project timeline;
- the financial issues.

¹ Introduced by Baku COP Article 6.4, according to CDM flexible mechanism framework for public funds

3. Purpose and Objectives of the Pilot Project®

The Pilot Project® is planned to originate Carbon Credits in the Forestation, Afforestation and Reforestation activities based on the ecosostenibile.eu® patented Nature Based Solutions Program which defines the methods of quantifying and qualifying Carbon Credits with very high **rating**, the actions for generating credits, the rules and controls necessary to make the calculation of credits credible and transparent. The Program allows the quantification of the environmental benefits in terms of CO₂ removed thanks to the planting of trees spread throughout the world, through an ex ante estimation model of the biomass that can be accumulated by individual trees of different species in different ecological zones.

The generation of Credits in the Forestation, Afforestation and Reforestation context in which ecosostenibile.eu® operates produces multiple benefits, among which the most relevant are the following:

- environmental benefits: sequestration of carbon from the atmosphere, protection of biodiversity, fight against soil erosion and desertification, repopulation of forested areas;
- social and economic benefits: opportunities for direct financing of startup costs for small farmers, valorization of small farmers and agricultural cooperatives, achievement of food security for communities, new training and income opportunities.

The Program explains a procedure for evaluating the effects of Forestation, Afforestation, and Reforestation activities related to the sequestration of carbon from the atmosphere and therefore the absorption capacity of CO₂ within a single tree.

Single-tree carbon sequestration refers to the ability of a plant to store carbon in the tissues of plant species (hypogean and epigeal) and the soil, removing carbon dioxide from the atmosphere and effectively fixing it for a certain period. This effect contributes to the regulation of the chemical composition of the atmosphere, mitigating the harmful effect due to the emission of climate-altering gases (GHG, see Glossary) which causes the greenhouse effect.

The economic valorization of the aforementioned effect can be quantified through the generation of Carbon Credits. For each tree, the quantity of CO₂ that will be absorbed during growth is determined: the storage capacity is expressed in kilograms and, therefore, is easily comparable to the number of corresponding carbon credits. The Program describes the survey and calculation procedures that lead to the estimate of the benefits that agroforestry projects bring to the environment and the territory, the requirements and application procedures for Carbon Credits Origination.

4. Regeneration Carbon Credits Rating

The ecosostenibile.eu® patented Nature Based Solutions Program establishes different Carbon Credit Origination processes by associating a different **rating** depending on the accuracy of the credit calculation procedure and on the timeline (IE Carbon Footprint of the author of the intervention); it is therefore necessary to develop a rating system for the credits generated

which will subsequently correspond to a different economic market value kept under control by the register. In order to take into account the two main variables: timeline and calculation accuracy, it is therefore necessary to define a double rating procedure.

The methodology will be validated by an international Third Party, able of exploiting the carbon economic value linked to Nature Based Solutions through measurement procedures of the highest technical profile (e.g. Allometric Equations) . The methodology will meet the new corporate needs as brand building and reputation, as well as the worldwide market access of Carbon Credits "ready to asset allocation".

Se desideri richiedere la versione completa o avere un confronto diretto sui contenuti trattati, sono a disposizione per eventuali approfondimenti.



Fabrizio Del Pinto

Chief R&D Officer

f.delpinto@ecosostenibile.eu

ecosostenibile.eu benefit company

[+39.329.5980855](tel:+393295980855)

Rome - Belgrade

Only print if necessary, protect the environment

[Read our distribution disclaimer](#)