



TURFEIRAS VIVAS: PRESERVAÇÃO E RENOVAÇÃO PARA UM FUTURO SUSTENTÁVEL

Q.Tell us more about the proposed solution of the project.How will it work?

****Consortium of Rural Producers and Joint Sale of Carbon Credits:**********Consortium formation**We will unite local farmers by creating a consortium dedicated to peatland preservation. The consortium will be key to achieving common goals, sharing resources and knowledge.****Reforestation and Sustainable Management:****We will implement sustainable reforestation practices in the areas affected by peat extraction. Careful management will ensure the natural regeneration of peatlands, contributing to the conservation of ecosystems.****Monitoring and Certification**Using monitoring technologies, we will follow the progress of the restoration. We will seek certification of the tropical peatlands, allowing for the collective sale of carbon credits.****Joint Sale of Carbon Credits:****The consortium will collectively market carbon credits generated by the preservation and restoration of peatlands. This cooperative approach will maximize the financial and environmental impact.****Continued botanical and biodiversity research**Strengthening scientific research**We will continue and expand research into the botany, biodiversity and ecology of tropical peatlands. This will provide a deeper understanding and identify effective conservation strategies.****Development of new sustainable products**Based on the research, we will explore the potential for developing new sustainable products, such as biopesticides, organic fertilizers and other innovative agricultural inputs.****Certification and expansion of "Goyttaca Cupinicida":****Strict Certification**We will invest in the rigorous certification of "Goyttaca Cupinicida", guaranteeing effectiveness, environmental safety and compliance with organic standards.****Education and Promotion**We will implement educational programs to raise awareness of "Goyttaca Cupinicida", highlighting its sustainable benefits.****Market expansion:****We will seek market expansion opportunities for "Goyttaca Cupinicida", including strategic partnerships and entry into regional and international markets.****Socio-economic impact**Community empowerment**The consortium will not only contribute to environmental preservation, but will also empower the local community through the

creation of sustainable economic opportunities. ****Job creation and income generation:**** Reforestation initiatives, research and the production of sustainable products will create local jobs, strengthening the economy and providing a stable source of income. "Living Peatlands" is more than a project; it is a sustainable commitment. By joining forces, we will preserve the peatlands, boost the local economy and promote sustainable agricultural practices.

Q. Tell us more about the challenge of the project. What is the problem you are trying to solve? Why is the problem significant?

Campos dos Goytacazes, with its rich biodiversity and unique landscapes, faces a pressing challenge: the irregular extraction of tropical peat for the production of bricks and tiles. This challenge jeopardizes not only the natural beauty of the region, but also the integrity of a vital ecosystem.

The Problem: Irregular Extraction of Tropical Peat
Environmental Impact:- The rampant extraction of tropical peat for the production of building materials has caused significant damage to the local ecosystem. These areas, which play a crucial role in climate regulation, biodiversity and water quality, are being compromised.
Soil degradation:- Irregular extraction results in soil degradation, affecting not only peatlands but also surrounding ecosystems. The rich biodiversity that depends on these specific environments is under threat.
Risk to Biodiversity:- Tropical peatlands are home to a unique variety of flora and fauna adapted to specific conditions. Irregular extraction threatens the survival of specialized species and contributes to the overall loss of biodiversity in the region.

The Importance of Preservation:
Mitigating Climate Change:- Peatlands are natural carbon sinks. The degradation of these ecosystems releases large amounts of carbon into the atmosphere, contributing to climate change. Preserving peatlands is an effective strategy for mitigating these impacts.
Biodiversity conservation:- Tropical peatlands support a unique variety of plants, animals and microorganisms. Preserving these ecosystems is vital to maintaining the rich biodiversity and ecosystem services they provide.
Protecting Water Resources:- Peatlands play an essential role in regulating the flow of water, contributing to the maintenance of water quality and the prevention of flooding. The preservation of peatlands is crucial to ensuring a sustainable water supply in the region.
Impact on Local Economic Activity:- By addressing irregular peat extraction, the project aims to promote more sustainable economic practices. This includes developing alternatives for the production of building materials, while preserving the local ecosystem.

The Proposed Solution:
"Living Peatlands"
Sustainable Innovation: The "Living Peatlands" project seeks to innovate by developing products such as "Goyttacã Extract" and "Goyttaca Bio Cupinicide", offering sustainable alternatives to peat extraction.
Sustainable Reforestation: The signature sustainable reforestation initiative not only counteracts the negative impacts of extraction, but also involves the local community and companies in actively restoring the Atlantic Forest.
Peatland Certification and Carbon Credits: The project seeks to certify tropical peatlands, allowing the sale of carbon credits as a form of compensation and financial support for continued preservation.
Why It Matters:
For Future Generations:- The preservation of peatlands is a legacy that we leave to future generations. Protecting these ecosystems is a commitment to a sustainable and healthy environment for those to come.
For the Health of the Earth:- Environmental balance is fundamental to the health of our planet. Preserving peatlands is a crucial part of this mission.
For a Sustainable Economy:- By offering innovative solutions, the project not only protects the environment, but also contributes to the development of a more sustainable local economy. "Living Peatlands" is more than a project; it is a promise of protection, restoration and renewal. A story in which each chapter is written with a commitment to a greener, more sustainable future for Campos dos Goytacazes and beyond.

Q. What will be the main activities of the project and how will the resources be applied?

The project's activities involve environmental monitoring, mainly to identify points of degradation and areas with environmental liabilities, for later recovery with the owners. The funds will be used for logistics (fuel, food and lodging) and to recover the areas.

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