



RESTAURAÇÃO FLORESTAL NA MATA DE ARAUCÁRIAS

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

Our project aims to accelerate the process of ecological succession through environmental restoration. We will try to reforest degraded areas of Araucaria Forest in three Conservation Units managed by the Clevelândia City Council with native species. Restoration will only take place with native flora species (cinnamon trees, açoita-cavalo, araucarias, butiás, erva-mate, branquilha, canafístula, paineira, cerejeira-do-mato, pitanga, areticum, jabuticaba and others). The succession process will be accelerated so that we can have an understory characteristic of the Mixed Ombrophilous Forest. So far, more than 1,000 species have been planted in the Mozart Rocha Loures Municipal Nature Park and more than 1,500 seedlings will be donated to the local community between 2022 and 2023.

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

Intense logging in the 20th century, together with the expansion of agriculture and urbanization, were determining factors in the degradation of the Atlantic Forest and its phytophysiognomies, such as the Araucaria Forest (also known as the Mixed Ombrophilous Forest). Protected areas are just one of the strategies aimed at containing the advance of environmental degradation and deforestation. However, our three units were created in areas that have been previously modified by human actions, and therefore require intervention to accelerate ecological processes. By recovering the areas, especially with araucarias - which is considered an ecological keystone species - a series of ecosystem services will be unleashed, ranging from support, regulation, provision and cultural services. Our aim is to accelerate the recovery of these remnants, increase the storage of carbon and biomass and favor the socio-ecological interactions of this threatened sobiobiodiversity in southern Brazil.

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

The activities will mainly involve active forest restoration. Resources will therefore be needed for training, the purchase of materials, the purchase of seedlings (if they are not donated), food and transportation. All reforestation activities will be carried out only with species of flora native to the phytogeography (cinnamon trees, araucaria, yerba mate, areticum, branquilha, bush cherry, pitanga, araçá, canafístula, paineira, jaboticabeiras, cedro-rosa, açoita-cavalo, tarumã-preto, angico-gurucaia, vacum and others. Around 1,000 seedlings have already been planted (between 2022 and 2023), in addition to more than 1,500 donated to the local community. In addition, we will also use the funds to offer courses, workshops, training and the purchase of materials for the Municipal Faculty of Education and the Environment - FAMA. FAMA's Junior Company will be responsible for managing the funds from the initiative and will not be for profit. All actions will be reverberated to the Faculty to manage the proposed activities. We reiterate that there is no profit motive among the participants and/or any collaborators involved in the Faculty and Municipal Management. All proceeds will go to FAMA, with transparent reporting of any and all expenses.

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