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Day 13 Greener: When researching restoration techniques involving TEK, I decided to focus on reforestation. Many vital forests are not as healthy and bustling as they used to be due to deforestation. Thankfully, many projects have successfully incorporated TEK, including knowledge from the Quilombola and Riverine communities in Brazil.



Through discussion with local indigenous communities, the best seeds that fit the needs of certain locations can be determined. In the Amazon, technicians collaborate with dozens of Indigenous families to gain insight on different species mixes or productive arrangements. Thus, TEK can strengthen scientific efforts, making reforestation more effective.

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An infographic with a grid background. On the left, there is a vertical image of a person carrying a large bundle of plants on their back. To the right of this image is a list of bullet points. At the bottom right, there is a small image of a person in a field holding a red sign. The text in the infographic includes: 'By collaborating with indigenous communities, reforestation initiatives can be more effective, respecting cultural heritage and incorporating time-tested strategies:'. The list includes: 'Indigenous knowledge enhances reforestation efforts by applying amassed generational knowledge in sustainable land management, local flora, fauna, and ecosystem dynamics', 'Allows for identification of ideal tree species for reforestation, considering factors like soil composition, climate, and resilience to local pests', and 'Promotes biodiversity and enhances the forest's resilience'. The second main bullet point is: 'Traditional reforestation efforts often rely on scientific knowledge. May sometimes overlook critical socio-cultural and ecological nuances specific to a particular region. Reforestation that incorporates TEK considers the cultural and spiritual connections that indigenous communities hold with their land. Allows for harmonious coexistence between human communities and the environment'. At the bottom, it says: 'By blending scientific approaches with TEK, allows for reforestation efforts to be more well-rounded and sustainable.'