

Propuesta de una red de áreas protegidas para la protección del Pau-brasil (Caesalpinia echinata Lam. - Leguminosae), árbol del Bosque Atlántico Litoral

Proposal for a protected areas network of Brazilwood, Coastal Atlantic Rainforest tree, *Caesalpinia echinata* Lam - Leguminosae):

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Brazilwood is an endangered species and is one of 44 leguminous trees of the Atlantic Rainforest that needs conservation actions to maintain their genetic diversity and their geographic distribution. In 2012, the National Conservation Brazilwood Program was created aiming to include the reassessment of conservation status and the identification of protected areas with their population. The present study aimed to contribute to those goals, identifying protected areas and to propose a network of conservation units with specific management guidelines. A literature review and field trips were conducted to locate and analyze each population. There are 21 protected areas with natural populations of Brazilwood and 32 protected areas with vegetation that may have the Brazilwood reintroduction. Top management guidelines are: to estimate population size, to define as intangible fragments with Brazilwood population within protected areas, to propose the creation of ecological corridors, and to promote phylogeographic researches.

Key words: Brazilwood; protected areas; Coastal Atlantic Rainforest; *Caesalpinia echinata*; Brazil.