

# Reforestation for Carbon Removal

A Nature-based Solution to Climate Change

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Juan Carlos Garcia  
[forestal@planalto.mx](mailto:forestal@planalto.mx)  
Campeche, Mexico



# We restore ecosystems in Mexico's lowlands with logwood (*Haematoxylum campechianum*) as a keystone species

## High Density Wood

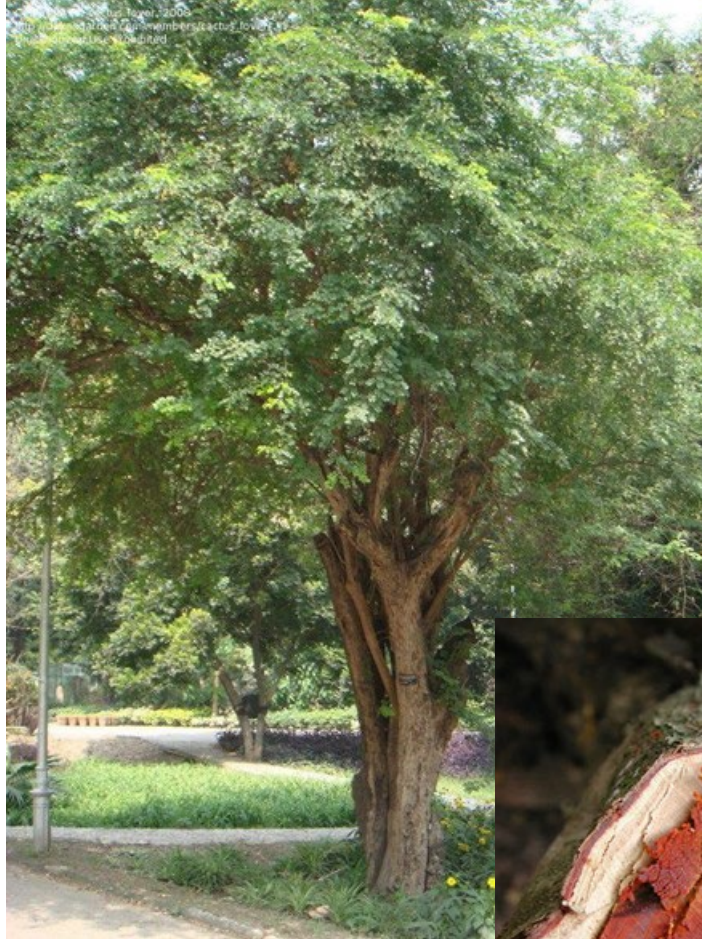
- Density: 1000 kg/m<sup>3</sup> (Source: Agroforestry Database 4.0 (Orwa et al. 2009))
- Hardwood – excellent for exterior use

## Soil Enricher

- Fabaceae: nitrogen fixer
- Ground cover

## Multiple product and applications

- Hematoxylin
- Natural dye for textiles / cosmetics



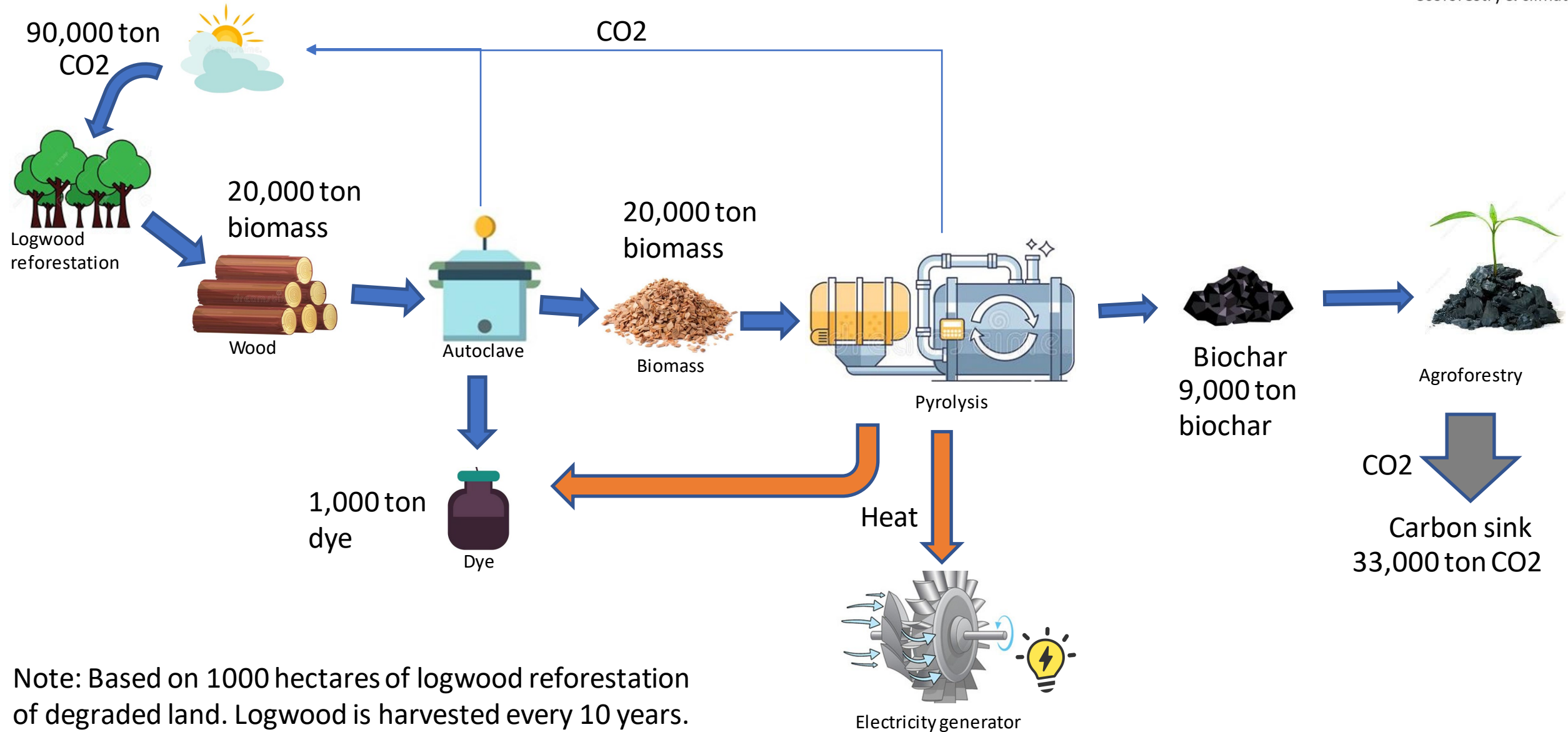
## Fast Growth

- Pioneer
- Biomass Expansion Factor = 4.4  
Source: Study conducted by H. Pabel U de Göttingen, 2017

## High Conservation Value

- Native
- Second to mangrove for biodiversity

# Every 1,000 hectares remove +30k tonnes CO2 yearly



Note: Based on 1000 hectares of logwood reforestation of degraded land. Logwood is harvested every 10 years.



Our Carbon Removal approach has several additional benefits

