



Bamboo as a Tool For Landscape Restoration



Overview

EcoPlanet Bamboo was conceptualized in 2009 and founded in 2010 with the following major objectives:

1. To provide a tangible solution for increasing global demand for timber and therefore inadvertently address issues of deforestation and environmental concern
2. To provide an alternative fiber that can be profitable while meeting current market economics and supply chains
3. To convert degraded and marginalized land into functioning plantations that provide sustainable livelihoods and stimulate rural economies

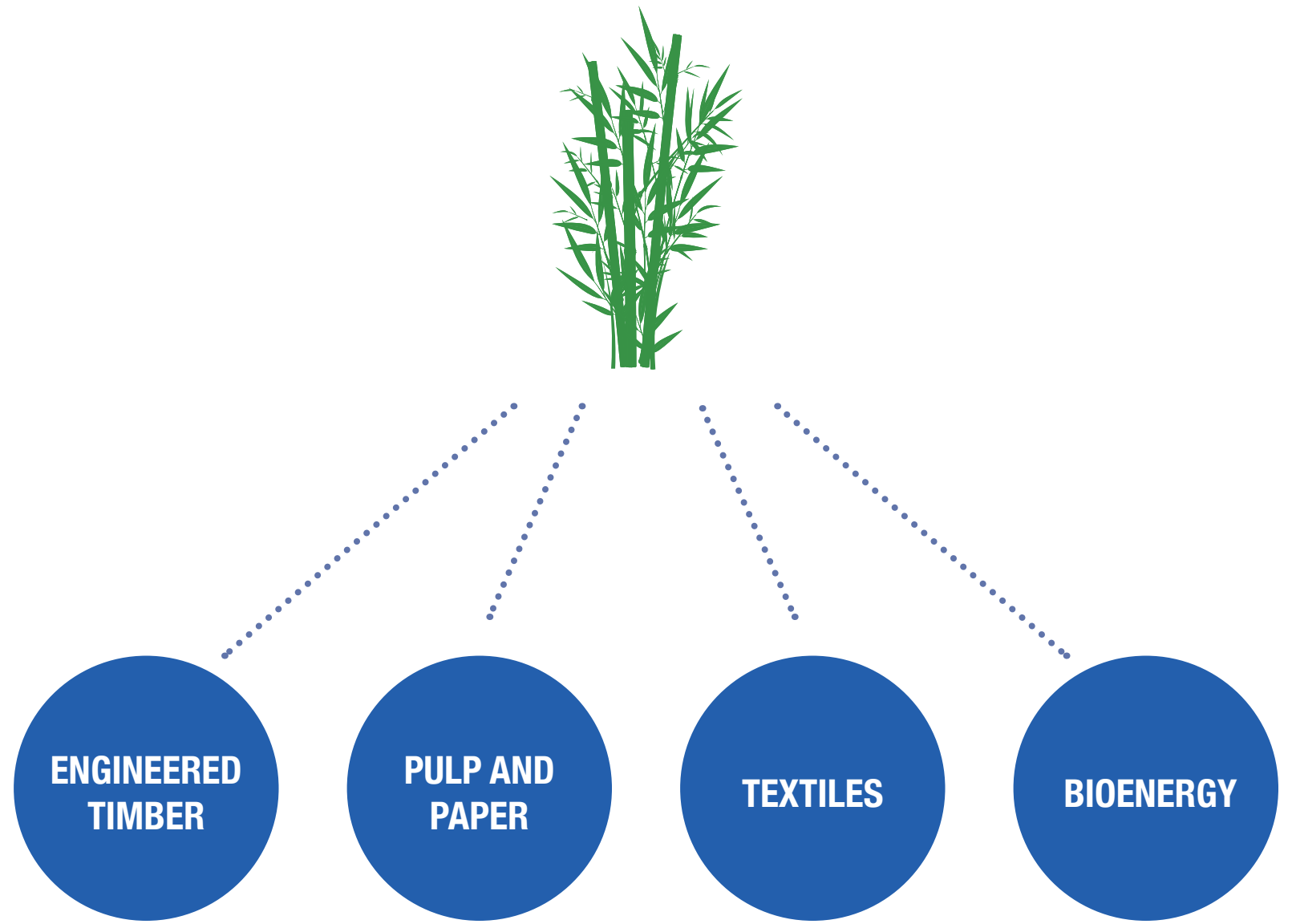


Restoring Landscapes & Reducing Deforestation

Bamboo provides an economically viable opportunity for large scale restoration projects.

In addition to converting degraded land into bamboo forests, and providing jobs to rural communities, commercial bamboo operations reduce pressure on natural forest by providing a viable alternative to fiber currently sourced from natural forests.

EcoPlanet Bamboo has invested more than \$50 million into the conversion of degraded landscapes in remote rural locations to fully functioning bamboo ecosystems.



Bamboo's Advantages

- Whereas a hardwood tree reaches maturity in 15-30 years, bamboo can be harvested within 5-7 years of planting.
- Cutting a tree for timber kills the tree, but as bamboo is a grass, cutting individual culms stimulates further growth. This growth pattern means that no replanting is required.
- Harvesting of trees results in bare soil and a loss of biodiversity. In contrast once mature, a bamboo plantation maintains a continuous canopy cover, protects soil and harbors biodiversity.



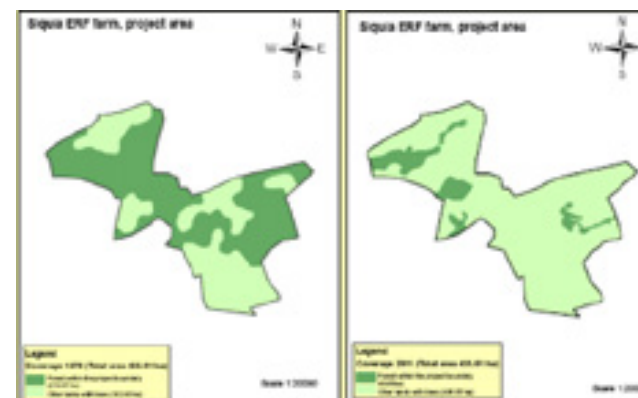
Nicaragua Example

- 8,500 acres of plantation, with another 2,500 to be planted in 2015
- 20% of total land area comprises conservation area, made up of remnant forest patches
- All standing trees left untouched
- Native species used that is adapted to the climatic conditions
- 250 permanent jobs of which 25% represent women

Nicaragua's Forest Cover in 1983 and 2010



Deforestation in an pre EcoPlanet Bamboo Farm 1978 & 2011









Transition of Plantations
Bare land



Land preparation



Young plants



3 year old plantation

South Africa Example

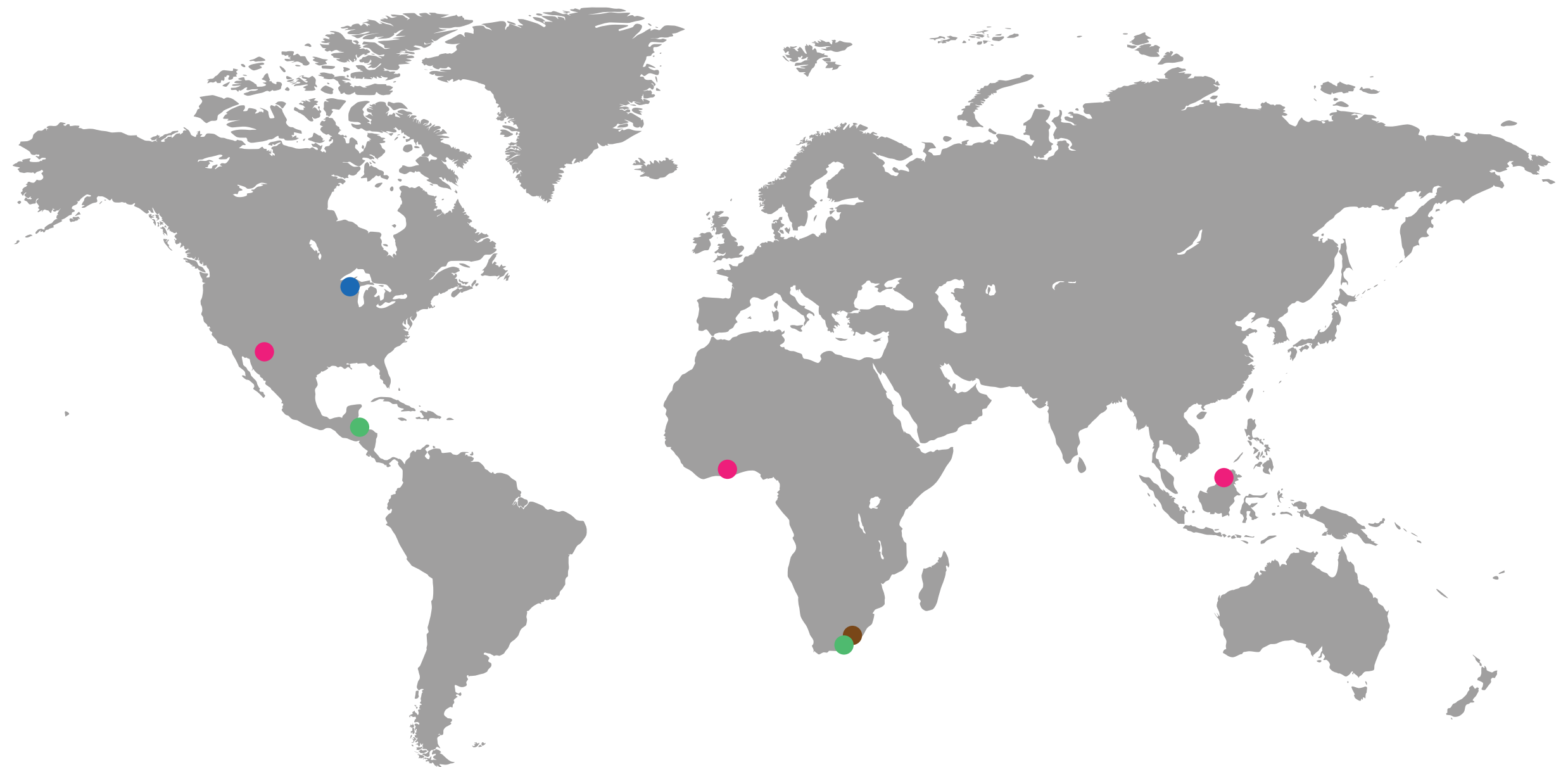
- 1,200 acres of highly degraded agricultural land
- Overly intensive chemical based agriculture has left soil depleted and compacted
- Even after 5 years of laying fallow no woody vegetation has begun to regenerate
- 20% conservation areas comprised of native vegetation
- Species used was naturalized to SA in the 1600's
- 60 permanent jobs in an area suffering 85% unemployment





EcoPlanet Bamboo & the Bonn Challenge

EcoPlanet Bamboo has entered a second stage of expansion, of large scale dedicated plantations. At the 100,000 acre scale, these plantations can contribute significantly to meeting country's restoration commitments.



● Corporate Headquarters ● Plantation Operations ● Non Plantation Subsidiaries ● Planned plantations



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