

OCTOBER 11, 2021



Analog Forestry

RESTORING PLANET'S LIFE SUPPORT SYSTEMS

A PRESENTATION BY LUBICA BOGANTES

What is Analog Forestry?

Analog forestry is an ecological restoration tool that helps to restore the life support systems of the planet – represented by healthy, biodiverse ecosystems





Analog Forestry as a tool of transformation

It focuses on increasing biodiversity by imitating natural forest systems in order to create economically productive and environmentally mature forests. The methodology is based on traditional forest gardens, which are human- created analogs of the natural forest that serve needs such as food, fiber, timber, medicine and water.

Follow ecological succession

Climax Forest

Increase of Biodiversity





Why restoration?

The world's life support systems are threatened by deforestation, monoculture plantations, land grabs and the degradation of forest ecosystems, all of which we see as opportunities for restoration.

Analog Forestry contributes to climate change mitigation

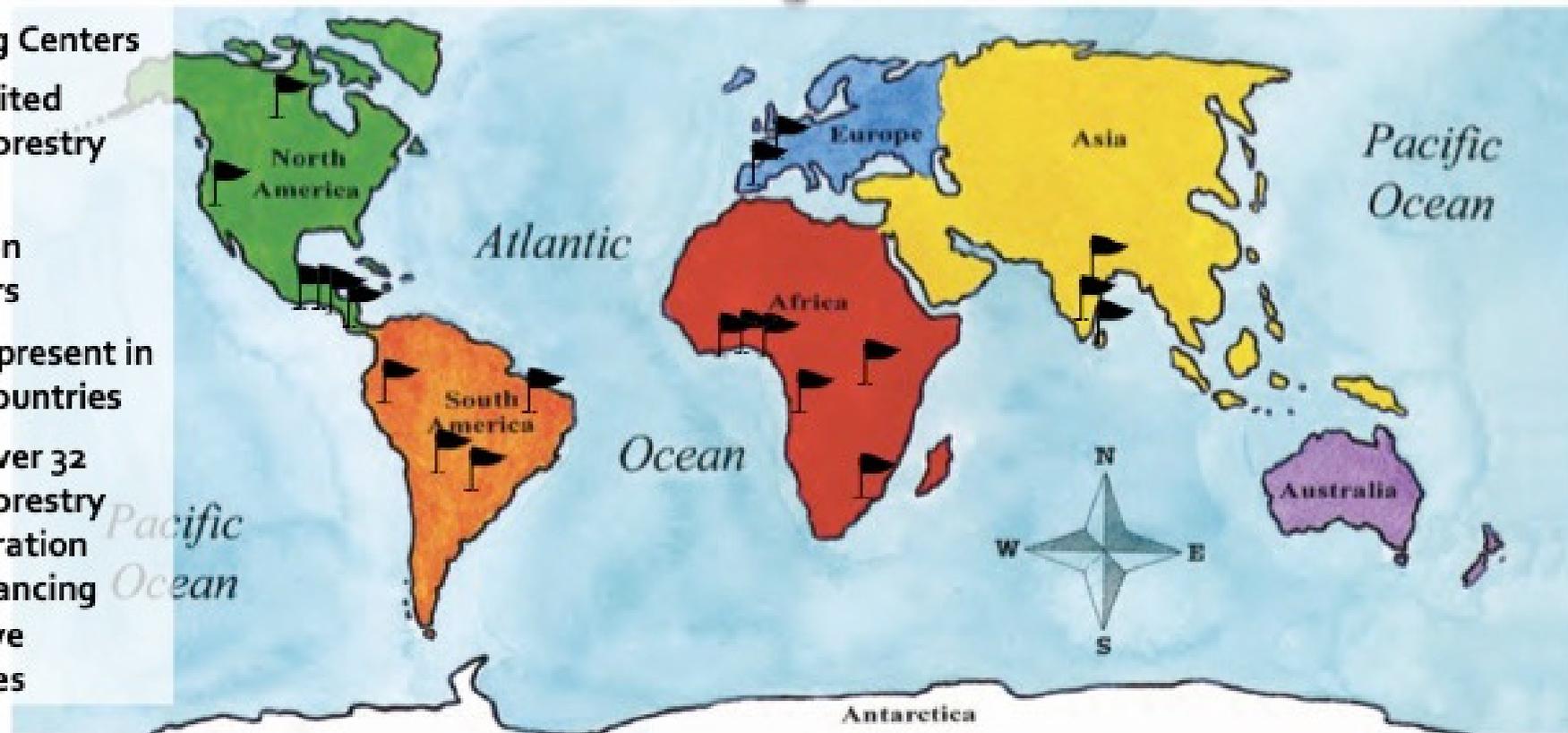
With the restoration there is more Carbon accumulated than in a monoculture plantation. The more we resemble the natural forest in functions and structure, the more Carbon we accumulate and the ecosystem better fulfills its function of mitigating climate change



A Shihuahuaco tree (*Dipteryx* sp.) can store between 30-60 tons of Carbon (Diameter DBH- 140-180 cm)

INTERNATIONAL ANALOG FORESTRY NETWORK

- ✦ 5 Training Centers
- ✦ 55 accredited Analog Forestry Trainers
- ✦ 24 Women Promoters
- ✦ Partners present in over 20 countries
- ✦ In 2020 over 32 Analog Forestry demonstration sites enhancing restorative techniques



Women are ready to act and improve their livelihoods facing climate change

"We have a strong women's movement and we secure our food through biointensive gardens and the first analog forestry plots in order to promote food sovereignty and not depend on others."

Luz Marina Valle, Analog Forestry Promoter,
Nicaragua 2020





Noja kani?
Sogai yek!!
Teujkatmak!

SOMINANDO POR
LOS DERECHOS...

Women Leading Climate Action

Analog Forestry led by women goes beyond conventional tree planting and includes seed exchanges, establishment of tree nurseries and harvest of variety of forest products.



Forest Gardens Products (FGP) Certification



- Produced in Analog Forests or Forest Gardens
- Independent certification system
- Guarantees products clean and safe
- Benefits producer families and their communities.
- Ecological indicators
- Social and Economic Indicators
- Compliance with Fair Trade standards



FGP ACCREDITED AGENCIES

- IAFN accredits 3rd party and PGSs under FGP Standards

3rd party Certification Agencies:

- **Latin America:**
- IMO Cert – Bolivia
- Eco Lógica – Costa Rica
- **Asia:**
- IMO India –

PGS

- Sri Lanka (Good Market)



IMO India

IMO Control Private Limited



FGP CERTIFIED PRODUCTS INTERNATIONAL MARKET



GUAYAPI

Main Distributor of FGP Products

From France, distribution to Europe: Belgium, Spain, England, Portugal, Italy, Germany, Switzerland, Austria, Poland; North Africa Morocco, Algeria; Asia: Korea, Japan, Caribbean: Guadeloupe and Martinique

About € 1 million, annual turnover

Upscaling Analog Forestry

Restoration of 50 ha with native species for conservation purposes and carbon stock in Ecuador

Estimated time: 10-15 years of regeneration

25.000 endemic plants planted in 8 plots

Estimated Cost of plants from local nurseries - 13.250 USD (\$ 0.53 per unit)

Provided services: AF Design, physiognomic formula, ecological evaluation, mapping, database of species, capacity building, monthly monitoring





Case study of Restoration in Costa Rica 11 ha with conservation and productive objectives

Evaluated period - first 2 years of establishment

Initial costs of Analog Forests:

Cost of plants \$ 6054

Total cost \$ 11 016 - includes soil analysis, terrain preparation, planting and transportation of plants

Additionally annual monitoring and maintenance \$ 5148 in total

Thank you!

