Activating Regeneration in Our 10,000-hectare Bioregion

Vision: 2030

Sinal do Vale

Activating Regeneration in Our 10,000-hectare Bioregion

Scaling a model of Land Stewardship across the Green Belt of the Guanabara Bay
We are a center for the regeneration of ecosystems, communities, and individuals, located on 400 acres of land just 50 km from downtown Rio de Janeiro. SINAL is an Advanced Post of UNESCO’s Biosphere Reserves and 1 of 17 certified Global Ecosphere Retreats by the Long Run Initiative in the world. We prototype and teach solutions that regenerate forests, soils, and food systems that can be replicated and scaled in this critical region.

see SINAL’s institutional presentation
OUR ACTION FIELDS

SINAL’S REVENUE STREAMS

SMALL PROJECTS

DONATIONS

HOSPITALITY

CHANGE AGENTS

HOSPITALITY

RESILIENT INFRASTRUCTURE

SOIL, FOOD AND FOREST
**Madre Frutos:** agroecological products cultivated in agroforests or extracted from the forest

**Boteco da Floresta:** Food delivery of local, sustainable, healthy meals

**Mosuo Bambu:** biodegradable bamboo products made by local entrepreneurs

**Hospitality:** eco-tourism, conferences, and retreats

**Vila Limpa:** Community-based waste management

**Bioconstruction:** Use of local resources like bamboo and earth for construction of buildings

**Soil and food:** Agroforest, regenerative agriculture, biofertilizers,

**Water:** Conservation of springs of the valley and prototypes of gray water treatment

**INCUBATED INITIATIVES**
LAND STEWARDSHIP

IMPACT

**carbon sequestration**
Protected and/or regenerated 173 hectares of Atlantic Forest, sequestering 7.188 tonnes of carbon

**water security**
Mapped and monitors 75 springs of valley, protects 15 springs, and provides water for 2,000 people in the local community

**biodiversity**
Protects 85 bird species, 81 reptile and amphibian species, 34 mammal species. Protects and monitors endangered Golden Lion Tamarin
In recent times we have witnessed ambitious commitments around restoring the social and ecological functions of territories, like the UN declaration of the decade of ecosystem restoration, the Bonn Challenge or Initiative 20x20 in Latin America. Important as these are, our vision is that these very ambitious goals can only be achieved through decentralized land stewardship arrangements. Sinal do Vale is working to be an example of the kind of regenerative development needed to reach this goal, and to act as a catalyst for the restoration in the territory and bioregion where it is located.
SERRA DA ESTRELA
BIOREGION
10,000 HA

SINAL DO VALE
200 HA

WILDLIFE REFUGE
5,000 HA

FEDERALLY PROTECTED AREA - APA PETRÓPOLIS
60,000 HA

THE BIOREGION
Investment fund
Investment for the acceleration and adapted replication of prototyped solutions in the bioregion, based on data from mapping and local stakeholder engagement.

Nature Based Solutions
Consolidate 3 solutions that provide economic incentives for landscape regeneration and conservation:
1. Business model based on payment for ecosystem services and carbon credits for standing and regenerated forest.
2. Agroforestry and food forests
3. Eco-tourism

Mapping
Mapping the territory of the bioregion to identify degraded areas, opportunities for regeneration, and potential carbon to be sequestered.

Strategic Actions
Serra da Estrela Bioregion
RESULTS

With the three strategic activities, we achieve:

- Creation of consistent database that identifies and prioritizes degraded areas in bioregion
- Payment system for ecosystem services and carbon credits tested that can be applied to the bioregion as a whole
- Set of nature-based solutions and businesses in agroforestry and ecotourism that solve economic, social, and environmental problems in the bioregion
- All degraded lands of the 10,000 ha. in the bioregion regenerated
- The 300+ springs of the bioregion conserved and/or recovered