

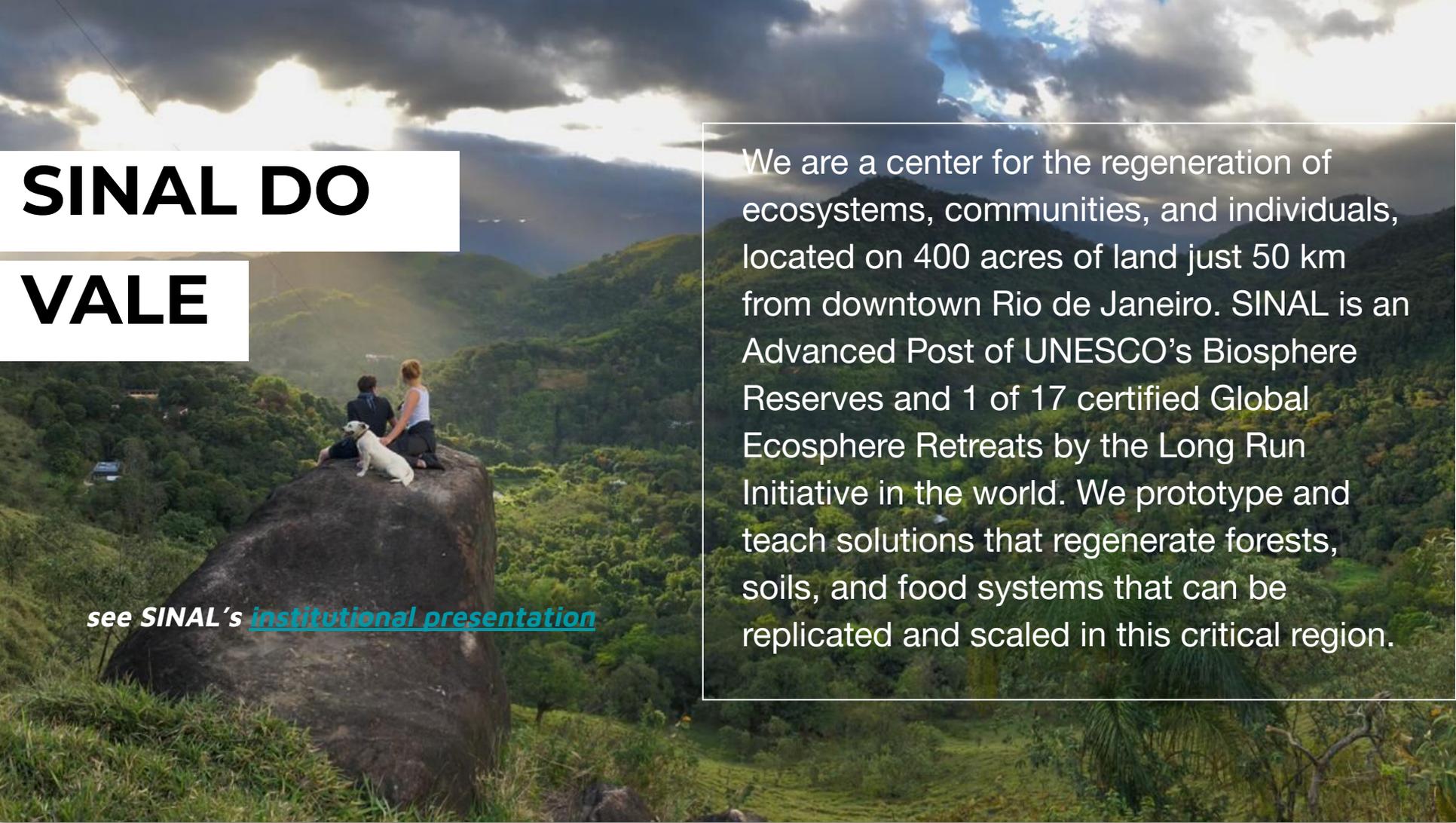


Vision: 2030

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



SINAL DO

VALE

see *SINAL's* [institutional presentation](#)

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.

OUR ACTION FIELDS



SINAL'S REVENUE STREAMS



SMALL PROJECTS

DONATIONS

HOSPITALITY

Vila Limpa:
Community-based
waste management



Madre Frutos:
agroecological products
cultivated in agroforests or
extracted from the forest



Mosuo Bambu:
biodegradable bamboo
products made by local
entrepreneurs



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



Hospitality: eco-tourism,
conferences, and retreats



**INCUBATED
INITIATIVES**

GREEN INFRASTRUCTURE

SERVICES AND PRODUCTS

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



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



OUR VISION

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.

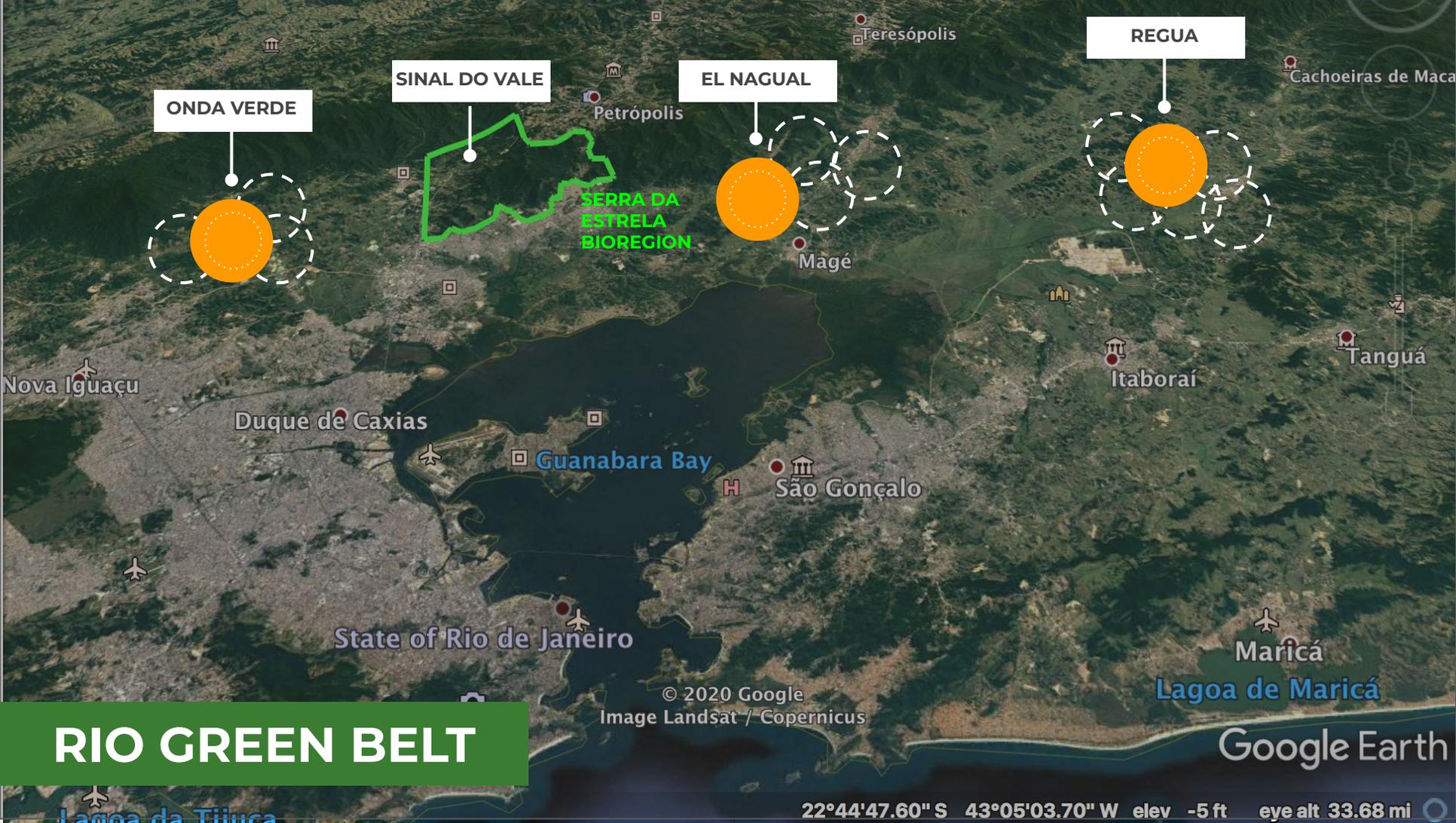
**SERRA DA ESTRELA
BIOREGION**
10,000 HA

**FEDERALLY PROTECTED
AREA - APA PETRÓPOLIS**
60,000 HA

WILDLIFF REFUGE
5,000 HA

SINAL DO VALE
200 HA

THE BIOREGION



ONDA VERDE

SINAL DO VALE

EL NAGUAL

REGUA

SERRA DA ESTRELA BIOREGION

Nova Iguaçu

Duque de Caxias

Guanabara Bay

São Gonçalo

Itaboraí

Tanguá

State of Rio de Janeiro

Maricá

Lagoa de Maricá

RIO GREEN BELT

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Image Landsat / Copernicus

Google Earth

22°44'47.60" S 43°05'03.70" W elev -5 ft eye alt 33.68 mi

Strategic Actions

Serra da Estrela Bioregion

1

Mapping

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

2

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

3

Investment fund

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

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



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