Cambium

TAPYTA

INSUD

Cambium Earth was incorporated in 2023 and is based in Spain. **It is a company owned by Grupo Insud.**
Together with our strategic partner, Pomera Maderas, a company of the same business group, **we are developing CO_2 removal forestry projects in Paraguay and Argentina, covering a total area of 3,000 ha in our first operations.**

We generate **high quality credits** through the most recognized labels to **help companies mitigate their emissions and contribute to the global goals of fighting climate change.**

POMERA
MADERAS

Certified under FSC® standards.

FSC
www.fsc.org
FSC® C020217

The mark of responsible forestry

Our strategic partner

Pomera Maderas has **decades of experience managing forests** in the region. Their nurseries and R&D program have a capacity of **6M saplings a year**. Pomera is built on unique genetic and tree growth IP for the Parana Basin Region. The result is high performance, better adaptation and resilience.

Cambium

Environmentally and economically sustainable ecosystems for carbon capture.
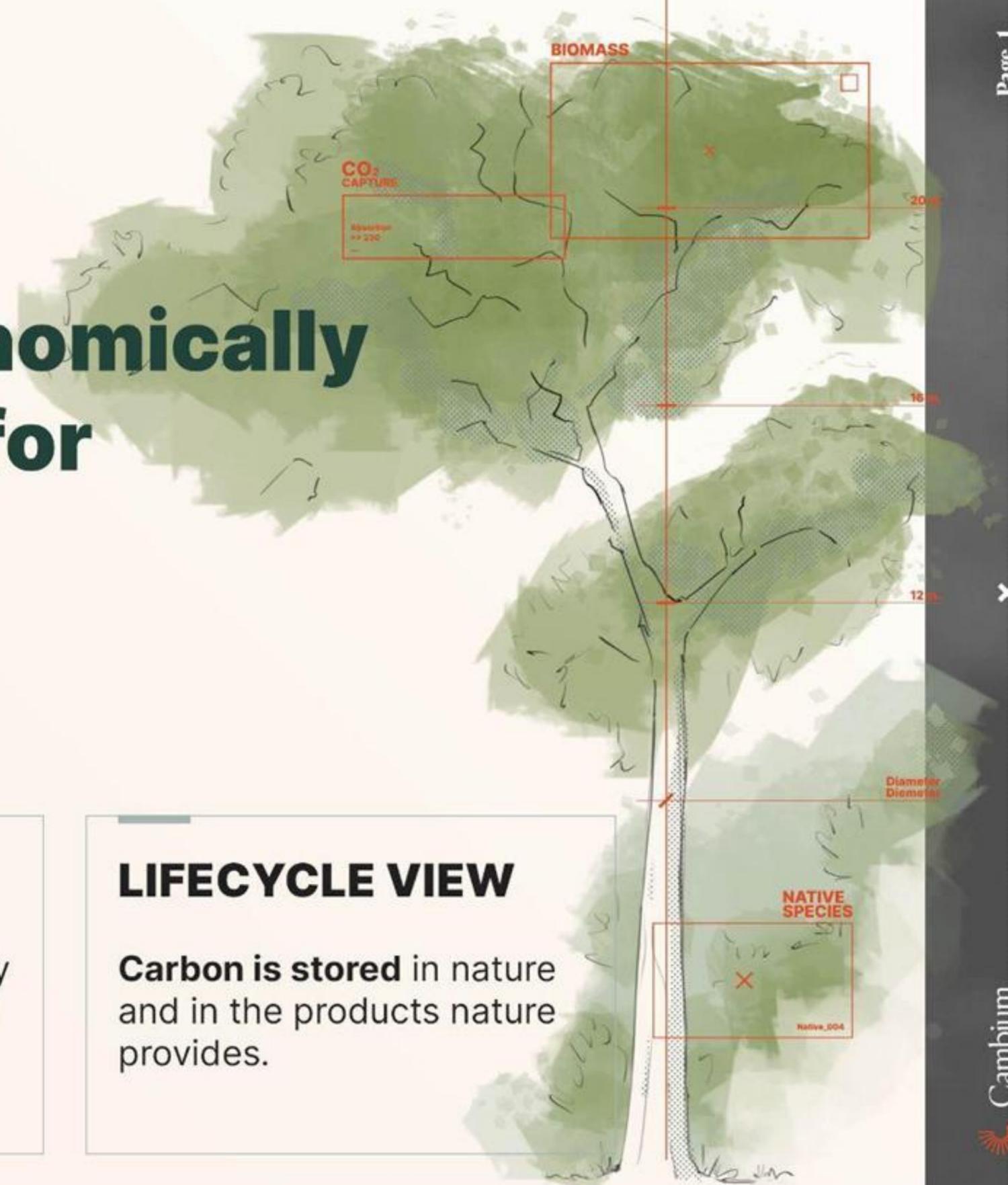
OUR ABCD

Aqua,
Biodiversity,
Carbon and
Development.

TOOLKIT

Trust is built on our forestry **expertise**, **technology** and **information** transparency.

LIFECYCLE VIEW

Carbon is stored in nature and in the products nature provides.

Cambium

Integrating cutting–edge technologies.

We believe in full transparency. Thanks to our **extensive experience** with remote sensing, information management and AI, all project stakeholders can witness progress first-hand and trust we are living up to our commitment.
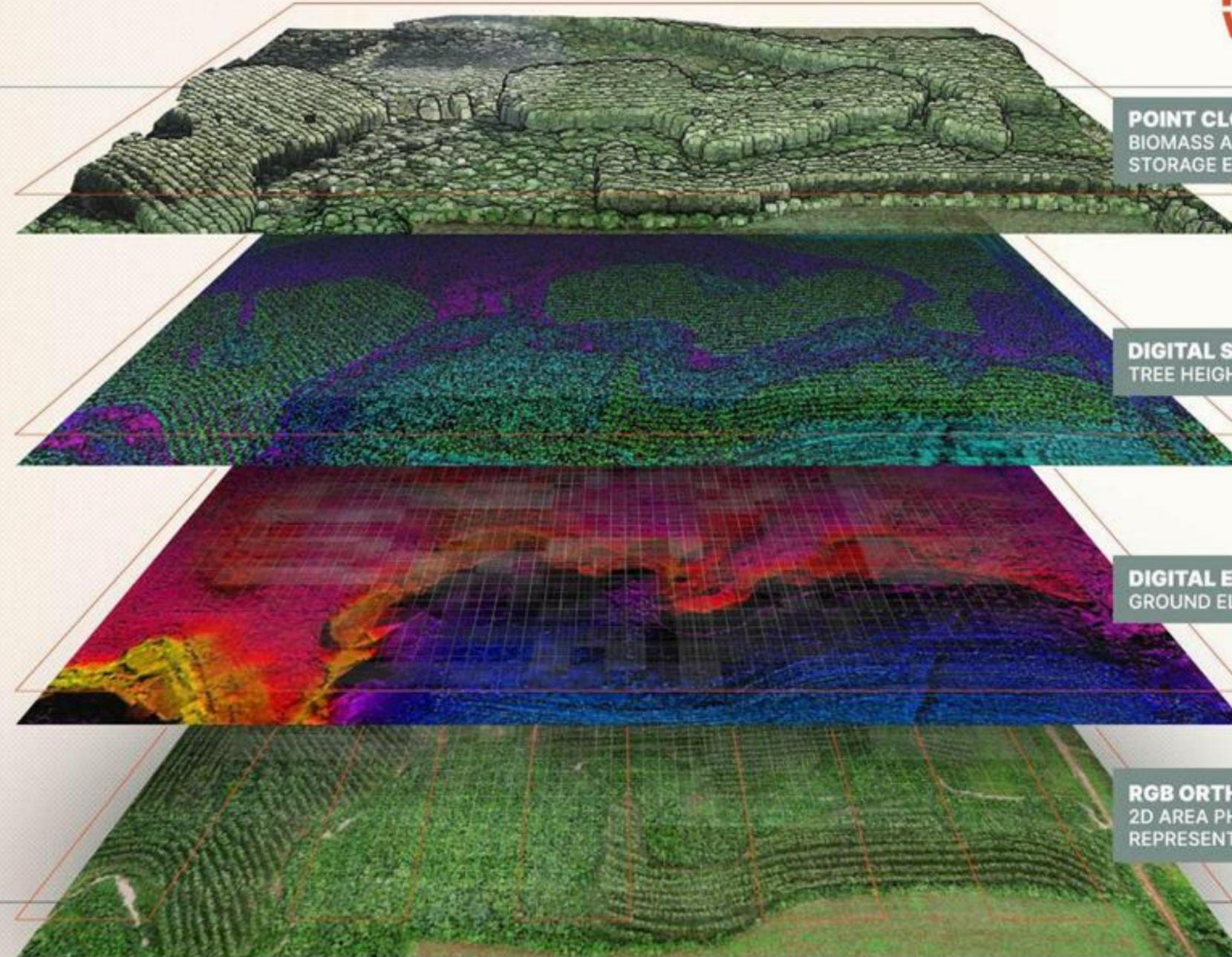
TECHNOLOGY

High-Resolution multispectral and LiDAR imagery, historical information, on-the-ground operational data and climate projections are all combined by AI to **measure carbon stocks, monitor and drive operations**. Insights and forecasts are made **available on a yearly basis**.

POINT CLOUD LIDAR.
BIOMASS AND CARBON STORAGE ESTIMATION

DIGITAL SURFACE MODEL.
TREE HEIGHT MEASURING.

DIGITAL ELEVATION MODEL.
GROUND ELEVATION MEASURING.

RGB ORTHOMOSAIC.
2D AREA PHOTOGRAPHIC REPRESENTATION.
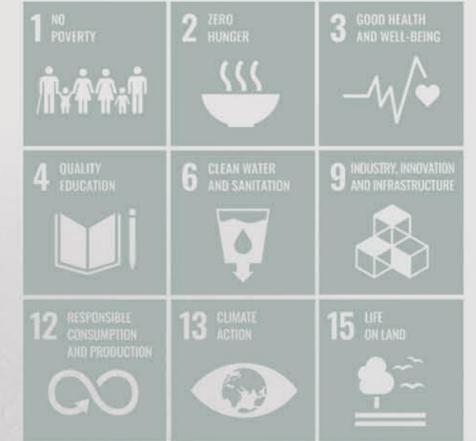
PROJECT:
Tapyta

→ In the heart of Paraguay, fast-growing species provide accelerated CO_2 removal and the shade needed for a **combination of 11 native species** to thrive. This results in **high carbon removal** rates, biodiversity restoration and positive social impact.

Cambium

LOCATION:
PARAGUAY

We adhere to top standards and contribute to Sustainable Development Goals.

- 172.8 ha in two regions
- Humid subtropical plains
- 22C temp. average
- 1,500 to 2,000mm yearly
- Project Start 01/12/2018
- 40 years of duration
- BioCarbon Standard ID: BCR-PY-451-14-001
- Methodology BCR0001_Quantification of GHG Emission Reductions & GHG Removal activities
- CO₂ First verification (net): 13,368 tCO₂
- CO₂ Average anual carbon absorption: 3,828 tCO₂
- CO₂ Total carbon absorption: 153,133 tCO₂
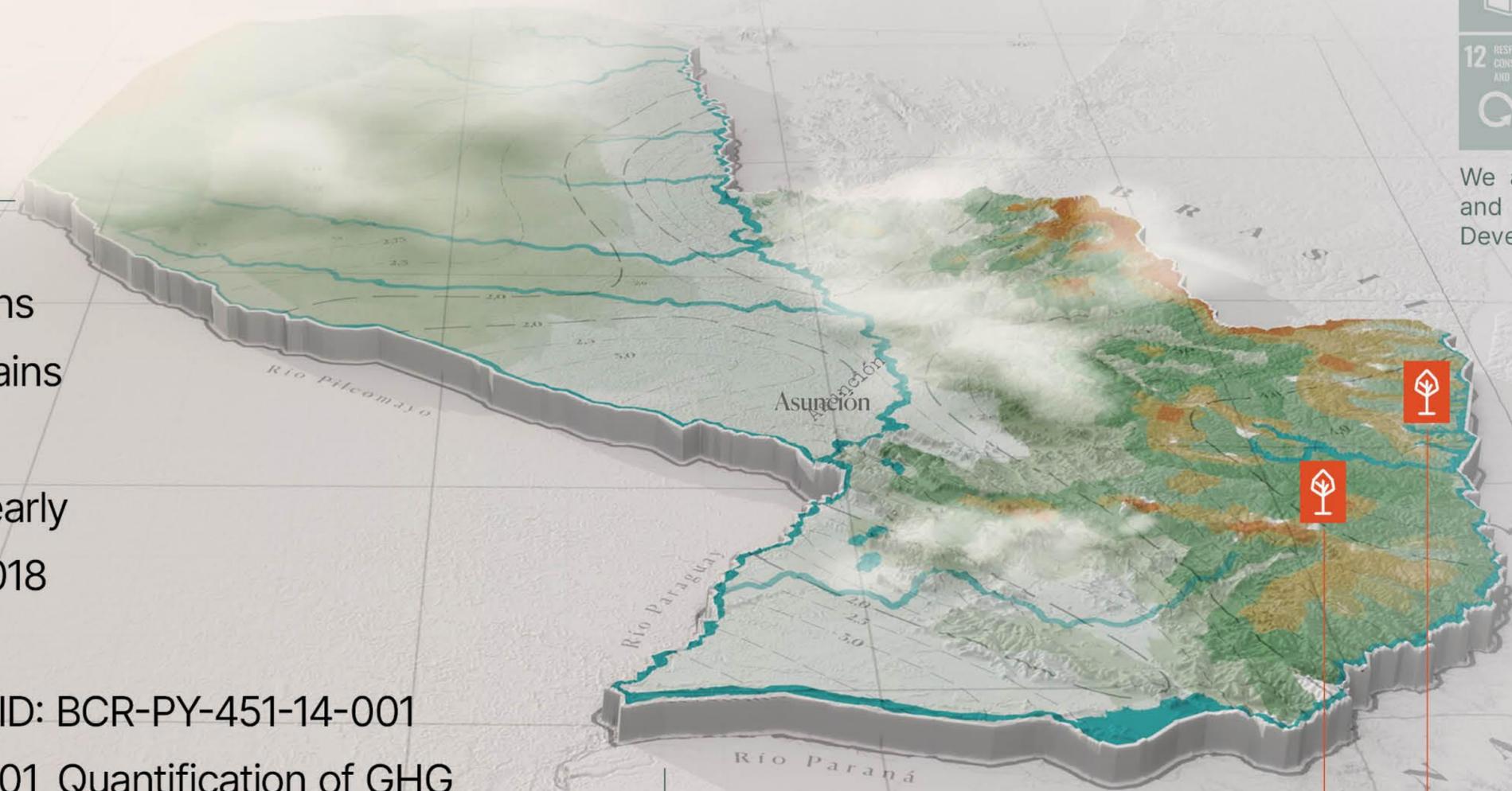
TAPYTA
34.0 HECTARES

YVYPYTA
138.8 HECTARES

Cambium

Sustainability through innovation

Native and non-native trees grow together.

Fast-growth non-native trees undergo 2 harvest cycles, and the third cycle will be planted following a low tree density pattern and will not be harvested. Thus, they will reintegrate their nutrients back into the ecosystem at the end of their natural life cycle. **Native species** will account for 55% of all trees by the end of this project and **will not be harvested**.

As a result of this project, the degraded grasslands where livestock farming was carried out has been replaced by a sustainable ecosystem of mixed native and non-native tree species that gradually bonds to the estate's nearby natural reserve.

40 YEARS 2 CYCLES

NATIVE TREE SPECIES

EUCALYPTUS

NATIVE TREE SPECIES

YEARS 0 6 10 20 30

Cambium
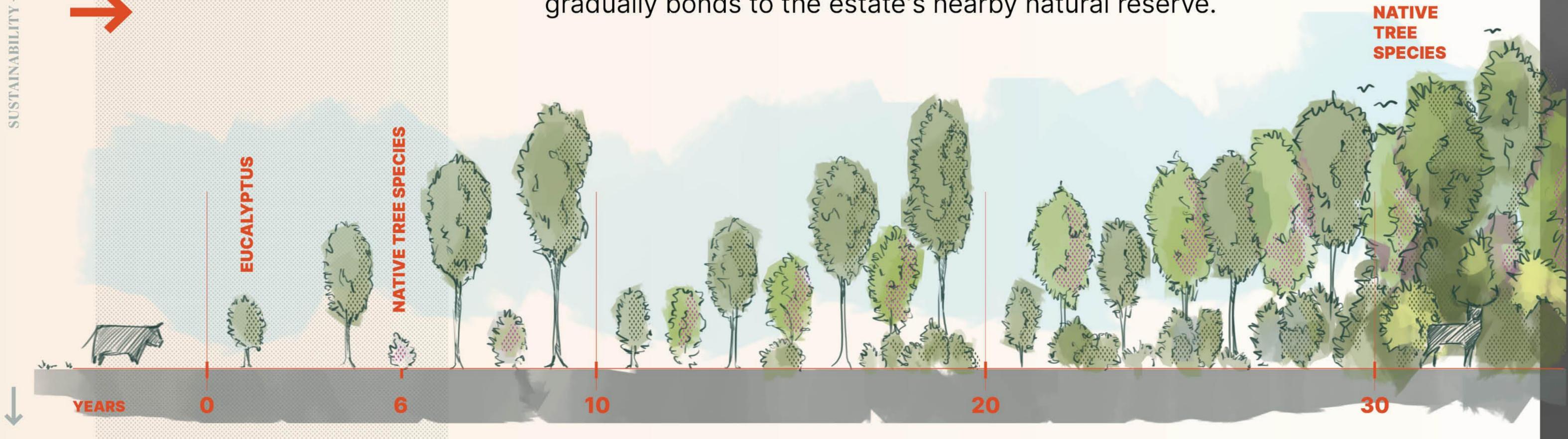
20 58
GOALS

In our unique design, fast-growth non-native species provide high performance in CO2 capture and the shadow required by native species to thrive. This results in **high carbon capture rates, biodiversity restoration, soil and water quality, positive social impact** and, most importantly, 172 ha of the final stage mixed forests that will eventually merge with the surrounding natural reserves.

100,000
m³ OF WOOD

153,133
TONNES OF CO_2

60,000
NATIVE TREES

11 LEAD NATIVE SPECIES

172 ha OF CATTLE RAISING LAND RECOVERED TO FOREST

The success of our Parana 1 ecosystem relies on understanding the soil, promoting genetic biodiversity, anticipating climate change events, selecting the right species to ensure fast growth and permanence, using the latest technology available to add layers of information, transparency and veracity, and addressing positive social impact.

All skills aligned with our experience, principles and execution capabilities.

PARANÁ 1

Cambium

THANK YOU!

Contact us if you are interested in being a part of our project.

Cambium

Contact info

info@cambium.earth