

SUZANO's

biodiversity journey



suzano

Our forestry base



2,4MM ha
of forestry base



3 biomes

Brazilian Savannah, Atlantic Forest and Amazon



1MM ha

conservation areas



96,9k ha

High Conservation Value Areas



37,1k ha

of areas under restoration



~4,3k species

400 are endangered
350 endemic



7 RPPNs

5k ha

Conserve biodiversity

- 1 Be **ambitious and achievable** in 10 years
- 2 Consider the representativeness of the entire scope and influence of **Suzano's operations**
- 3 Be aligned with national and international **best practices and policies**
- 4 To have **broad participation** from Suzano's strategic stakeholders
- 5 Use species, key biological groups or unique environments as a proxy to define the **biodiversity target**



Photo credit: Centro de Reintrodução de Animais Selvagens (CERIAS)

Stakeholders consultation¹

50
Interviews

41
Institutions

63
Interviewed



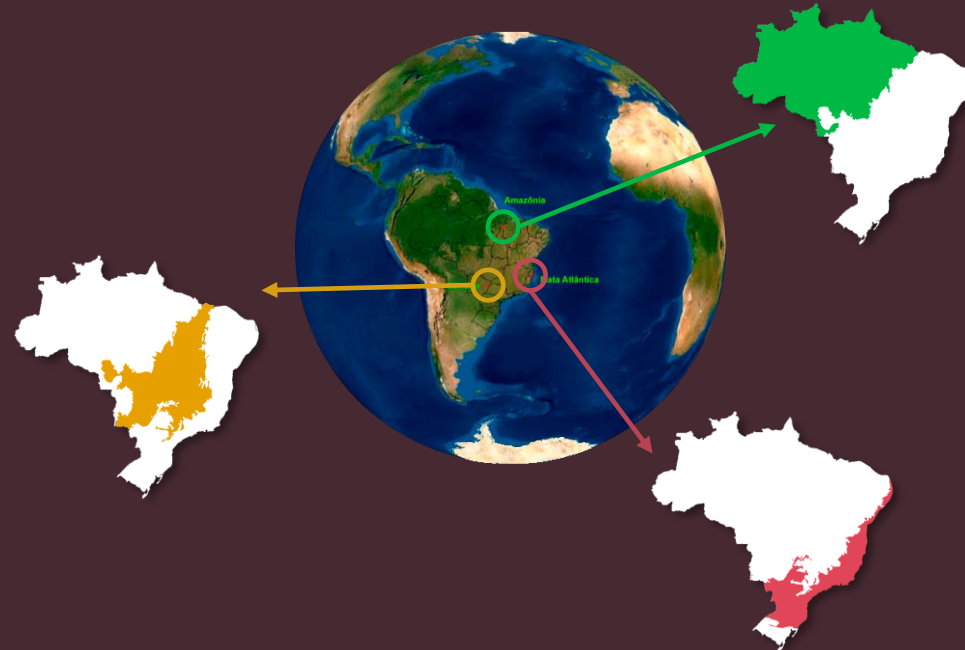
1. Stakeholders consulted: non-governmental organizations, academia, public and private sector. The 63 interviewees were evenly distributed as to sociological perspective between non-governmental institutions (38% – 24 people), public sector (32% – 20 people), and private sector (30% – 19 people).



Commitment to Renewing Life

Connect half a million hectares*

of priority areas for biodiversity conservation in the **Brazilian Savannah**, **Atlantic Forest** and **Amazon**, by 2030



* Equivalent to 500 k soccer Fields or four times the size of Rio de Janeiro.

lines of action



ENGAGE



CONNECT



PROTECT

OPERATIONALIZATION

- 1. Implement** biodiverse corridors at the landscape scale
- 2. Implement** biodiverse productive models
- 3. Establish** business models that generate shared value with local communities

IMPROVEMENT

- 4. Conserve** populations of endangered primates and palm trees
- 5. Create** a network of conservation units
- 6. Relieve** anthropogenic pressures on biodiversity

Big numbers

500,000

HECTARES OF FRAGMENTS TO BE CONNECTED

9,000

FRAGMENTS

1,000+

KM OF ECOLOGICAL CORRIDORS

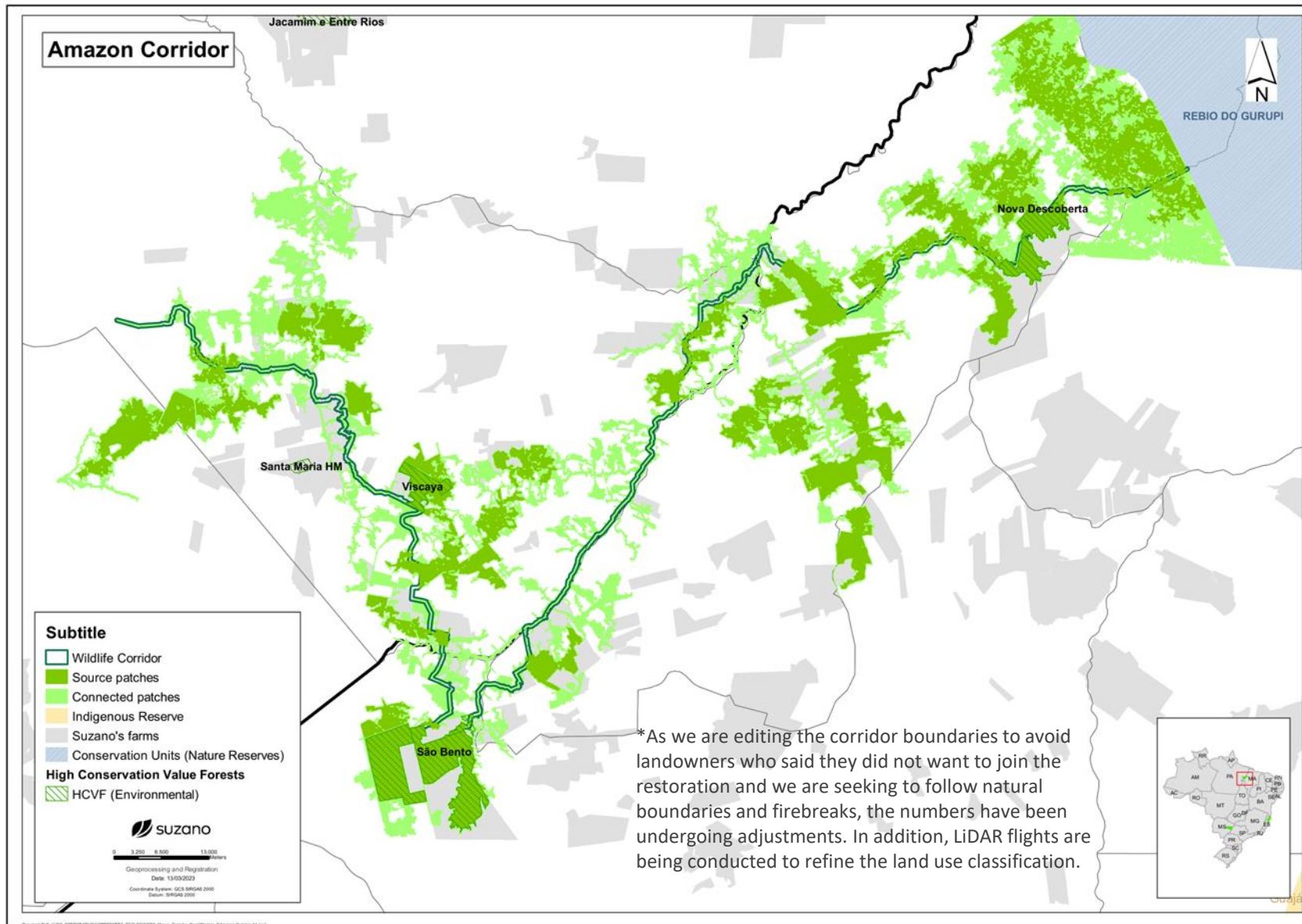
~53,000

HA OF ECOLOGICAL CORRIDORS

~39%

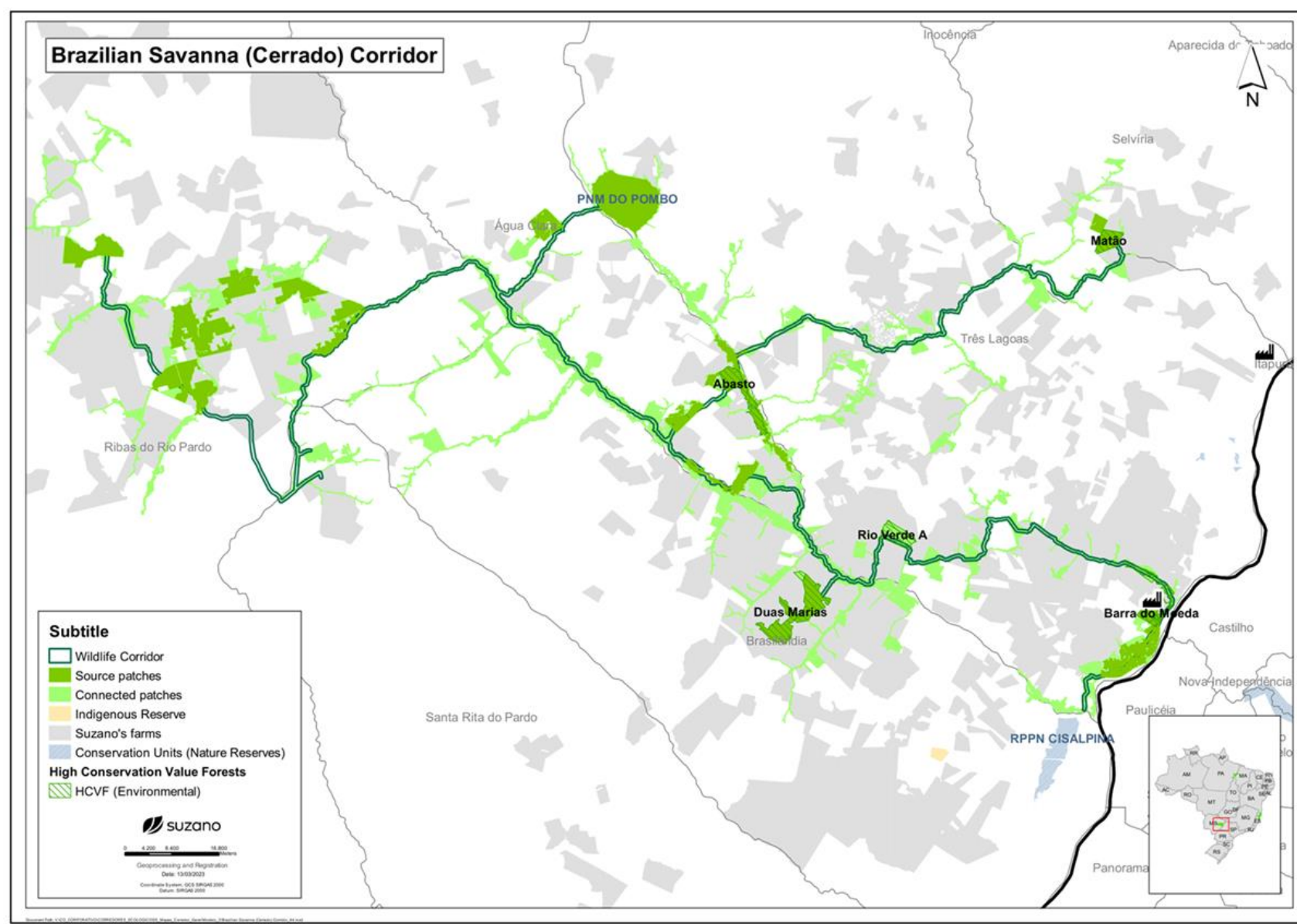
OF THE CORRIDOR TO BE RESTORED AND MANAGED IN PARTNERSHIP WITH RURAL LANDOWNERS

CORRIDOR In the Amazon



- Length*: **183 km**
 - Corridor area: **9,100 ha**
 - Area to be connected: **221,000 ha**
 - Area to be restored: **600 ha**
 - Area to be managed with biodiverse models: **2,400 ha**
-
- **Restoration area (2022)**
73 ha

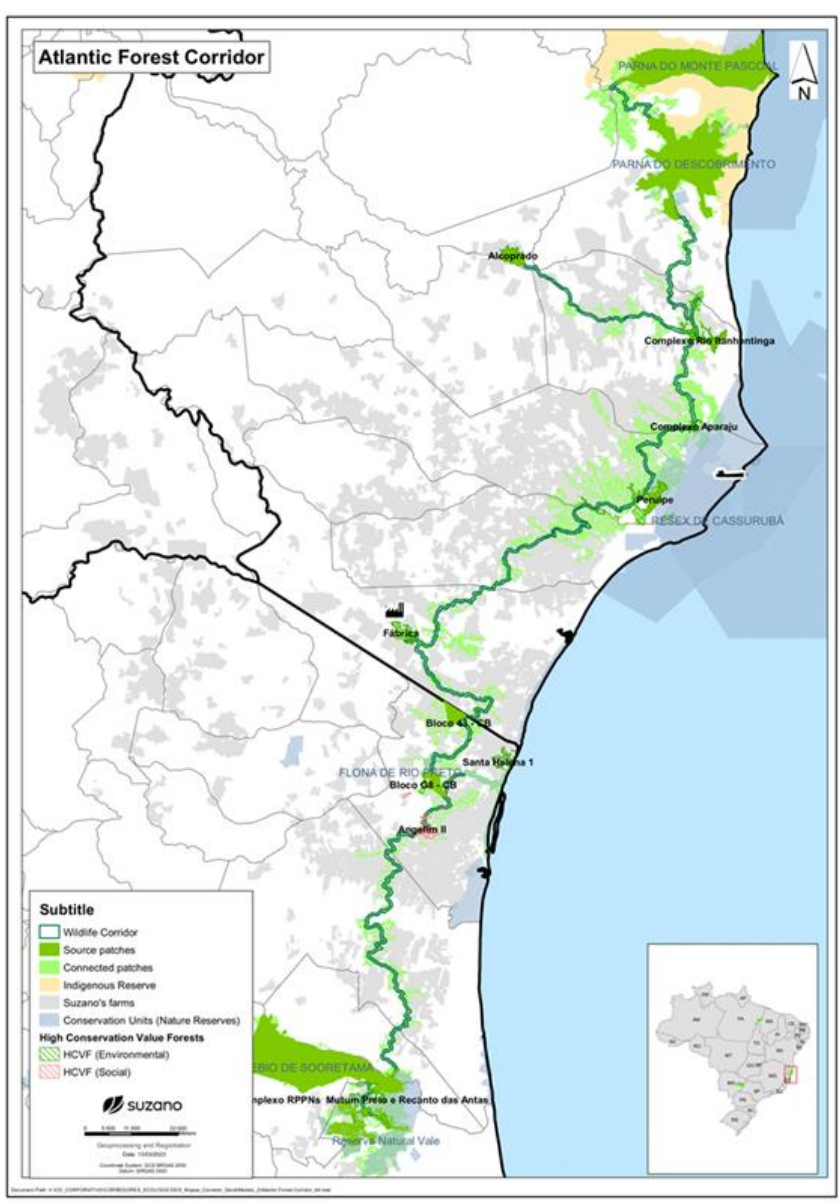
CORRIDOR In the brazilian savannah



- Length: **394 km**
- Corridor area: **19,000 ha**
- Area to be connected: **136,000 ha**
- Area to be restored: **1,600 ha**
- Area to be managed with biodiversity models: **4,500 ha**

- Restoration area (2022) **52 ha**

CORRIDOR In the Atlantic Forest



- Length: **504 km**
- Corridor area: **24,000 ha**
- Area to be connected: **175,000 ha**
- Area to be restored: **800 ha**
- Area to be managed with biodiverse models: **10,000 ha**
- Restoration area (2022) **53 ha**
- Biodiverse model (2022) **93 ha**



BIODIVERSITY MONITORING IN ECOLOGICAL CORRIDORS



METHOD

- 250 sampling points per Corridor, of which:
- Sound recorders
- eDNA
- iDNA
- Câmera *trapping*
- Drone with thermal camera

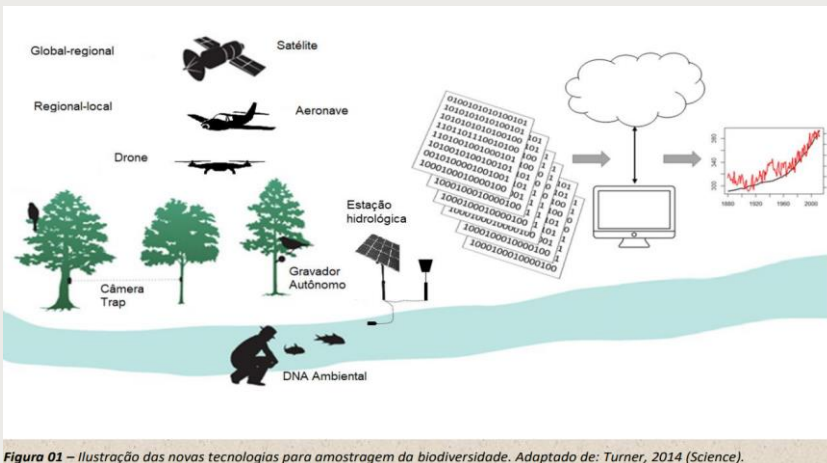
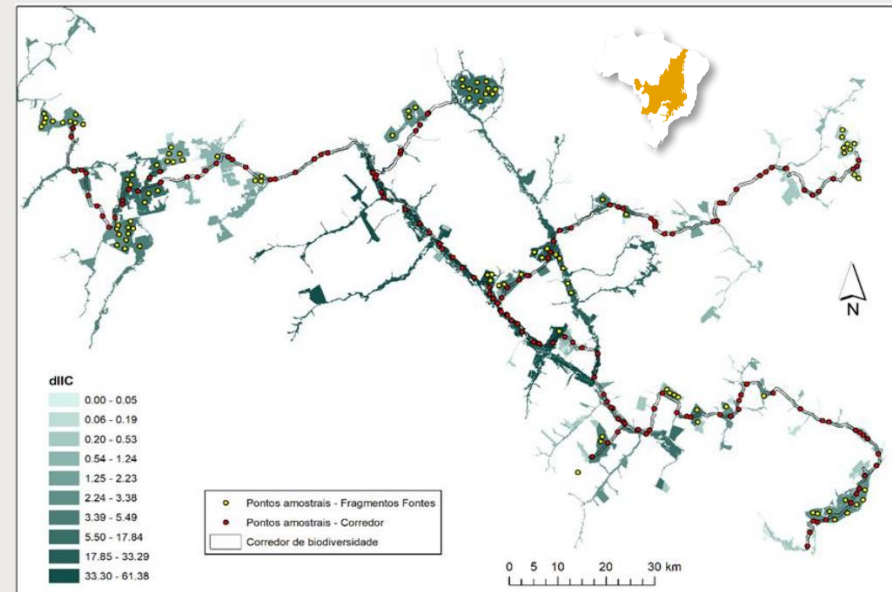
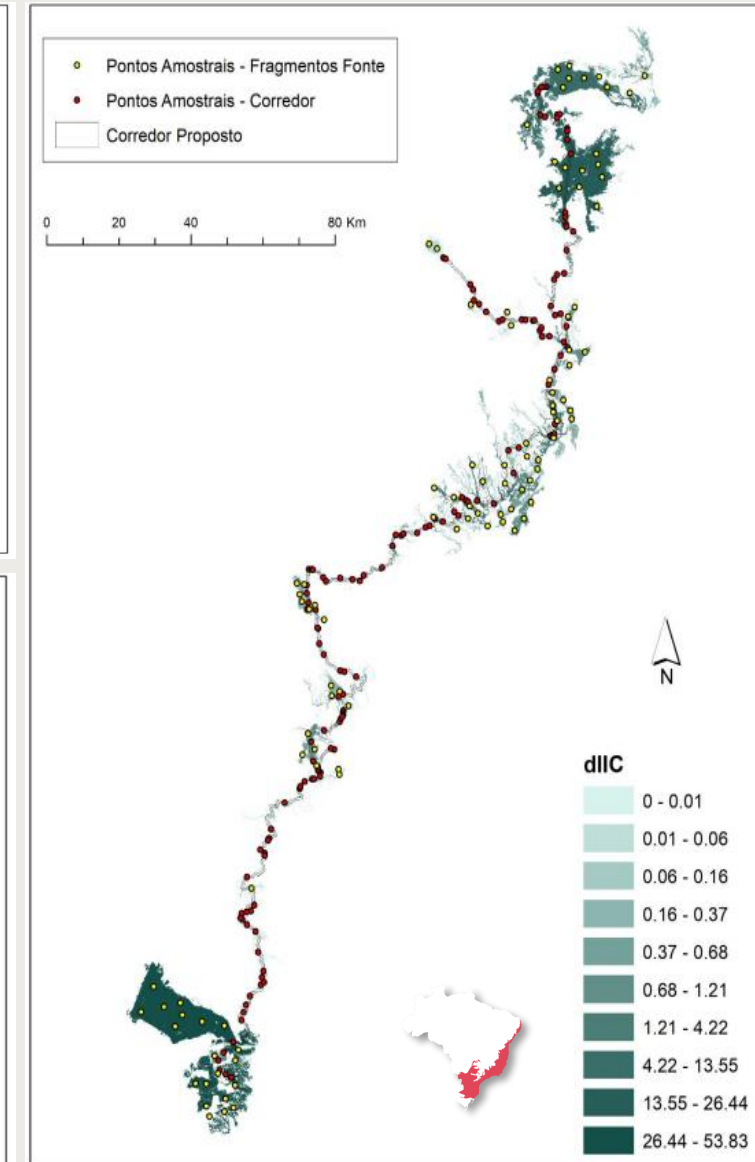
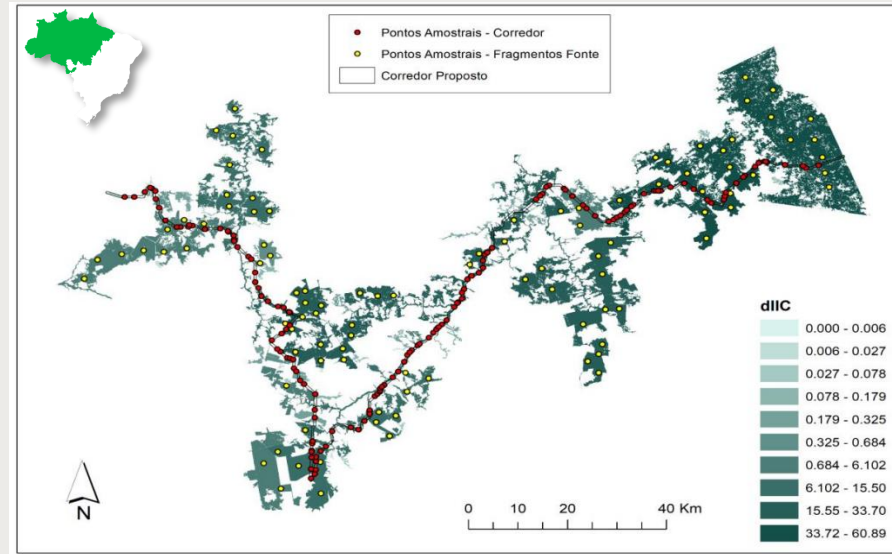


Figura 01 – Ilustração das novas tecnologias para amostragem da biodiversidade. Adaptada de: Turner, 2014 (Science).



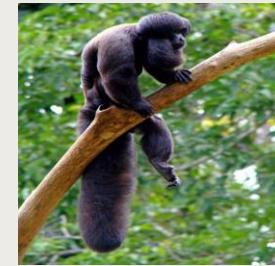
Conserve populations of endangered primates and palm trees of bioeconomic interest

- Umbrella species



Amazon:

Chiropotes satanas (black bearded saki) e *Astrocaryum gynacanthum* (mumbaca)



Brazilian Savannah:

Sapajus cay (hooded capuchin) e *Syagrus flexuosa* (acumã)



Atlantic Forest:

Alouatta guariba guariba (Brown howler), *Syagrus macrocarpa* (maria-rosa) e *Euterpe edulis* (juçara)



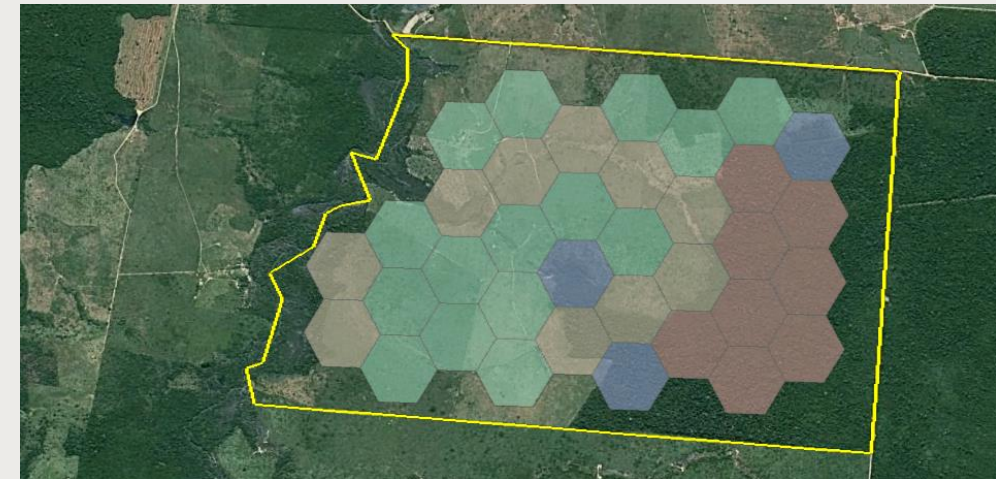
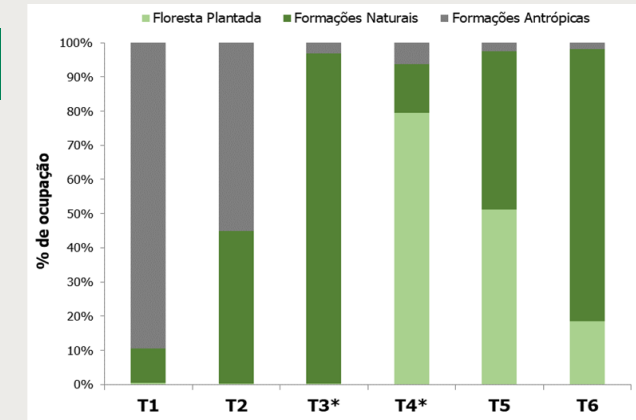


OTHER IMPORTANT WORKS ON BIODIVERSITY

➤ NEW BIODIVERSITY MONITORING PROTOCOL (hexagonal delineation)

SAMPLE DESIGN			
EUCALYPTUS PLANTATION	PROPORTION OF NATIVE VEGETATION		
	LOW	MEDIUM	HIGH
WITHOUT	T1	T2	T3*
WITH	T4*	T5	T6

* Tratamento controle



➤ BIODIVERSITY DATA INTELLIGENCE GROUP

Financiers

Enable financial resources to carry out restoration in APP/RL and implement biodiverse models to connect forest fragments in third-party areas

Mapped



In progress



current



Operators

Manage Suzano and Financing resources for hiring implementers



Implementers

Implement the biodiverse and restoration models and support the engagement of landowners in third-party areas in the corridor territories



Validators and Research

Provide technical-scientific support





Thank you!



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Access our site :

