

SHAKAIM PROJECT

GEO INDIGENOUS
ALLIANCE

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Space4Innovation



AMAZON BASIN

THE AMAZON BASIN:

- Covers 9 countries
- 511 Indigenous Nations and thousands of communities
- 66 Free Peoples in voluntary isolation
- It counts with 2.5 million Indigenous inhabitants





oto Mario Vargashakaim (Shuar)

Space 4 Innovation

Shakaim Project

Empowering Indigenous youth to utilize satellite imagery and drones to estimate the amount of carbon sequestered in recently reforested areas in the Amazon basin.

It weaves together Indigenous knowledge of climate change with scientific data (e.g. changes in rainfall and temperature) before and after reforestation. Biomass estimates based on satellite observations and drone data are used to quantify the amount of carbon stored by newly planted trees.



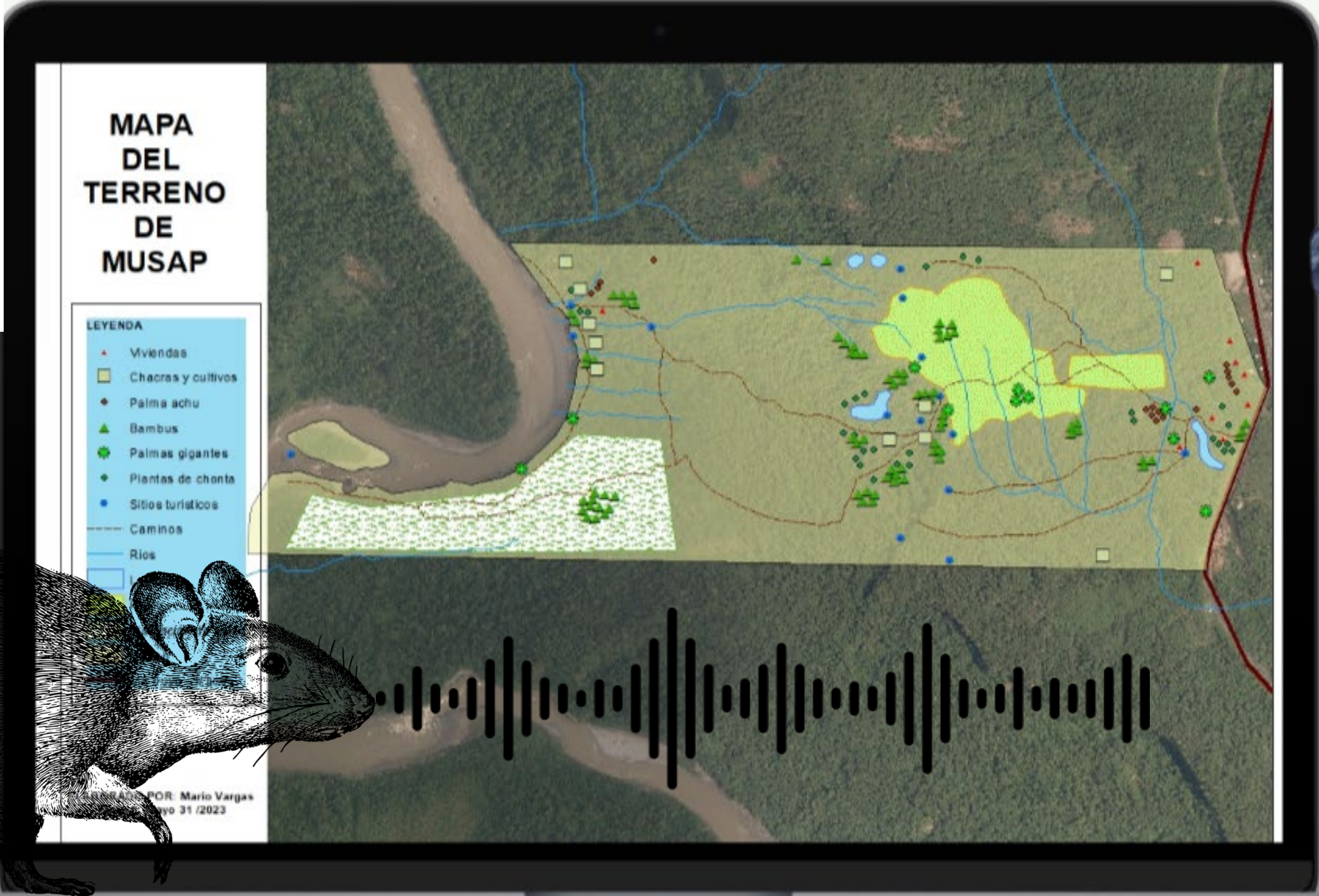
Indigenous led EO training



Why are we making our own maps?



PROJECT LTOME-KATIP





LTOME-KATIP

INDIGENOUS LED EO PROJECT

INDIGENOUS LABELED DATA FOR ML/AI
2024-2025

SPACE4INNOVATION, NAMUNYAK
CONSERVANCY, ROCHESTER INSTITUTE OF
TECHNOLOGY



FUNDED BY LACUNA FUND

The Amazon jungle are the lungs of
our planet, support our Indigenous led
project today!

YUMINSAJRUME

GRACIAS/Thank you

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