



Rainforest Foundation US



ORPIO

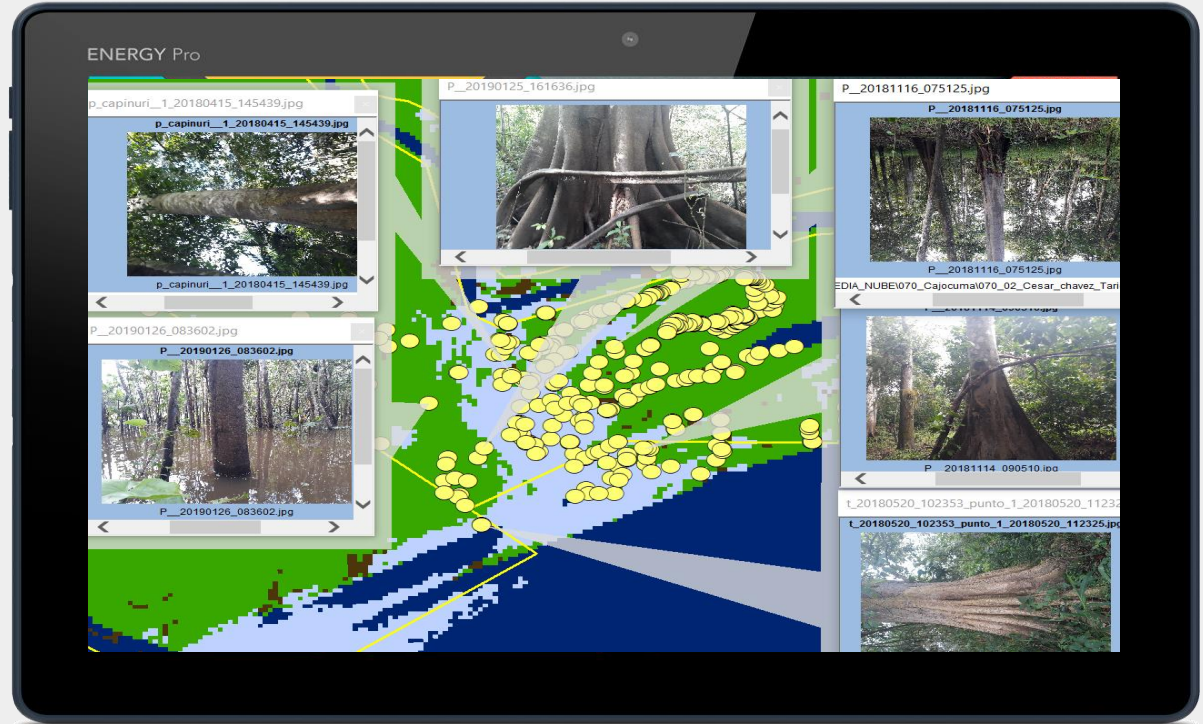
Organización Regional de los  
Pueblos Indígenas del Oriente

GLOBAL  
FOREST  
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# *RAINFOREST ALERT: INFORMATION INTO ACTION*

*A presentation on remote sensing to the Forest Legality Initiative*

# CASE STUDY: *INDIGENOUS MONITORS VERIFY LOGGING MANAGEMENT PLAN*



# INFORMATION INTO ACTION



## INFORMATION DELIVERED TO COMMUNITIES

- Zonification: community titles and protected areas
- Logging management plan
- Forest census, including CITES species and seeding trees
- Images of GFW's satellite GLAD alerts are delivered to smartphones

## OUTGOING INFORMATION FROM COMMUNITIES

- GPS documentation of tree species
- Tree measurements
- Georeferenced tracks of community patrols and boundaries
- Reports of illegal activities
- Legal complaints as reports delivered to relevant authorities for action

# STUDY IN *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES (PNAS)*, PUBLISHED AUGUST 2021

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RFUS teamed up with researchers from Columbia University, WRI, and ORPIO to implement a **randomized controlled study** (RCT) from 2017 to 2020

**Objective:** determine the causal effect of *Rainforest Alert* on deforestation rates and community forest management

## **Findings:**

- Significant reductions in tree cover loss in ‘treatment’ communities
- Monitors became recognized authorities of forest management
- Community-based forest monitoring that combines incentives for monitors with GLAD alerts and training contribute to sustainable forest management beyond the intervention area



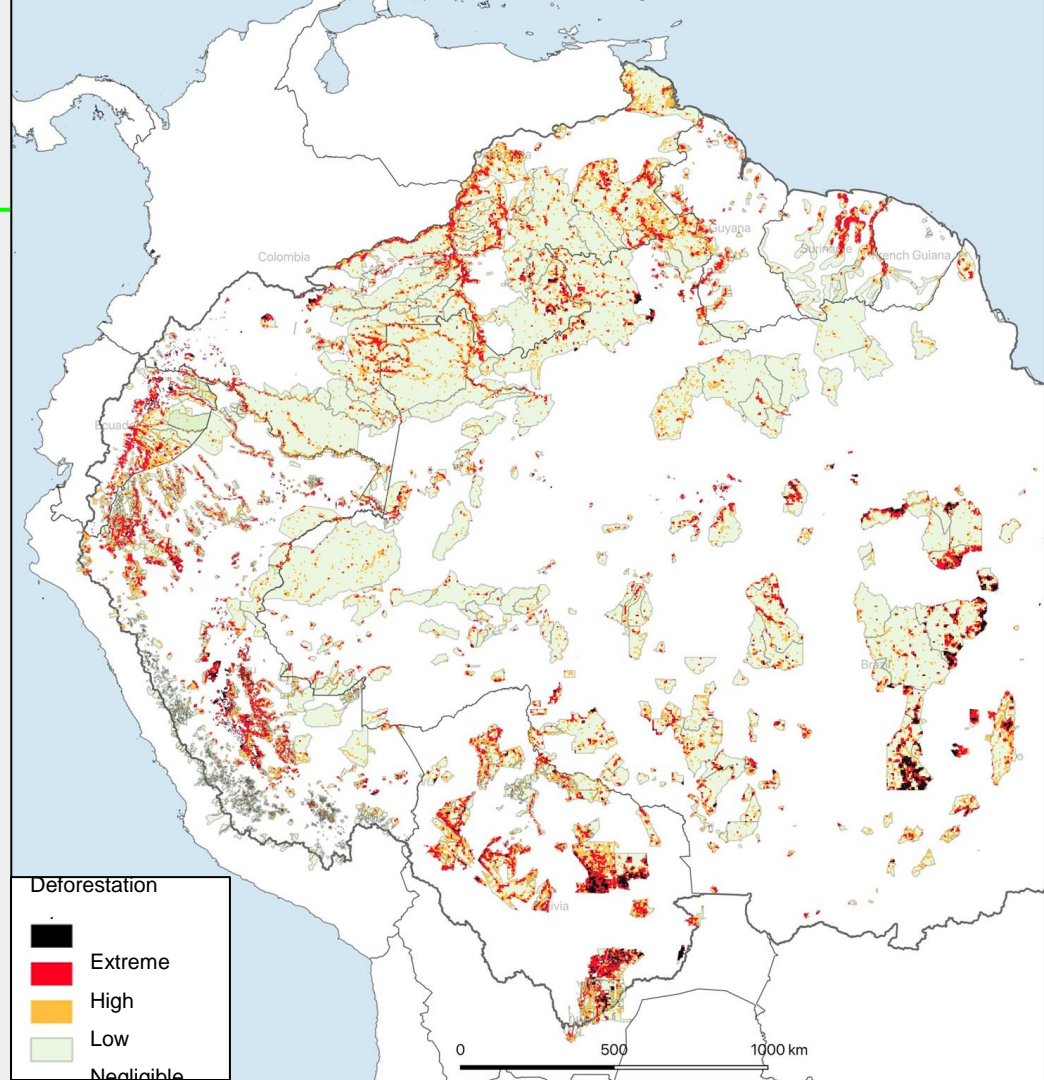
# SCALE-UP: GIS ANALYSIS

Rainforest Alert is widely applicable

Indigenous territories with similar conditions and variables to the study area:

- Deforestation rates
- Proximity to roads and rivers
- Proximity to prior deforestation
- IPO capacity\*
- State capacity\*

\*based on qualitative analysis



# SCALE-UP: *PARTNERSHIPS*

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## ***BUILDING A BROAD ALLIANCE***

**Indigenous Organizations:** regional and national organizations, and The Global Alliance

**NGO and International Organizations:** national and international groups focused on mapping, monitoring, indigenous rights, forest protection, sustainable livelihoods

**Government & Law Enforcement:** enhance forest legality

**Academia:** ongoing measurement of results and impact

**Donors and Policy Makers:** evidence-based donors bilateral and multilateral government stakeholders



# RESOURCES

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## ARTICLES

[Profile in Forbes Gives a Face to the Front Lines](#)

[Training Indigenous Communities in Tech-Based Monitoring Saves Rainforests](#)

## VIDEOS

[Indigenous People in Peru are Using Satellites and Drones to Fight Deforestation](#) (Vice/HBO)

[Communities Combat Coca Growers](#)

[Reforestation Alert](#)

# CONTACT

## THE RAINFOREST FOUNDATION US

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\*Upon request, RFUS will connect interested parties with principal investigators and indigenous partners