Revolutionizing Traceability in Agro-Forest Commodities:

Integrating GNSS Technology for EUDR Compliance in Coffee and Timber Industries

Regulatory Framework

- Importance of forests in ecological balance

- EUDR: combating global deforestation

- Impact on small producers and compliance challenges

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Coffee Compliance

- Challenges in coffee production: small plots and sustainability

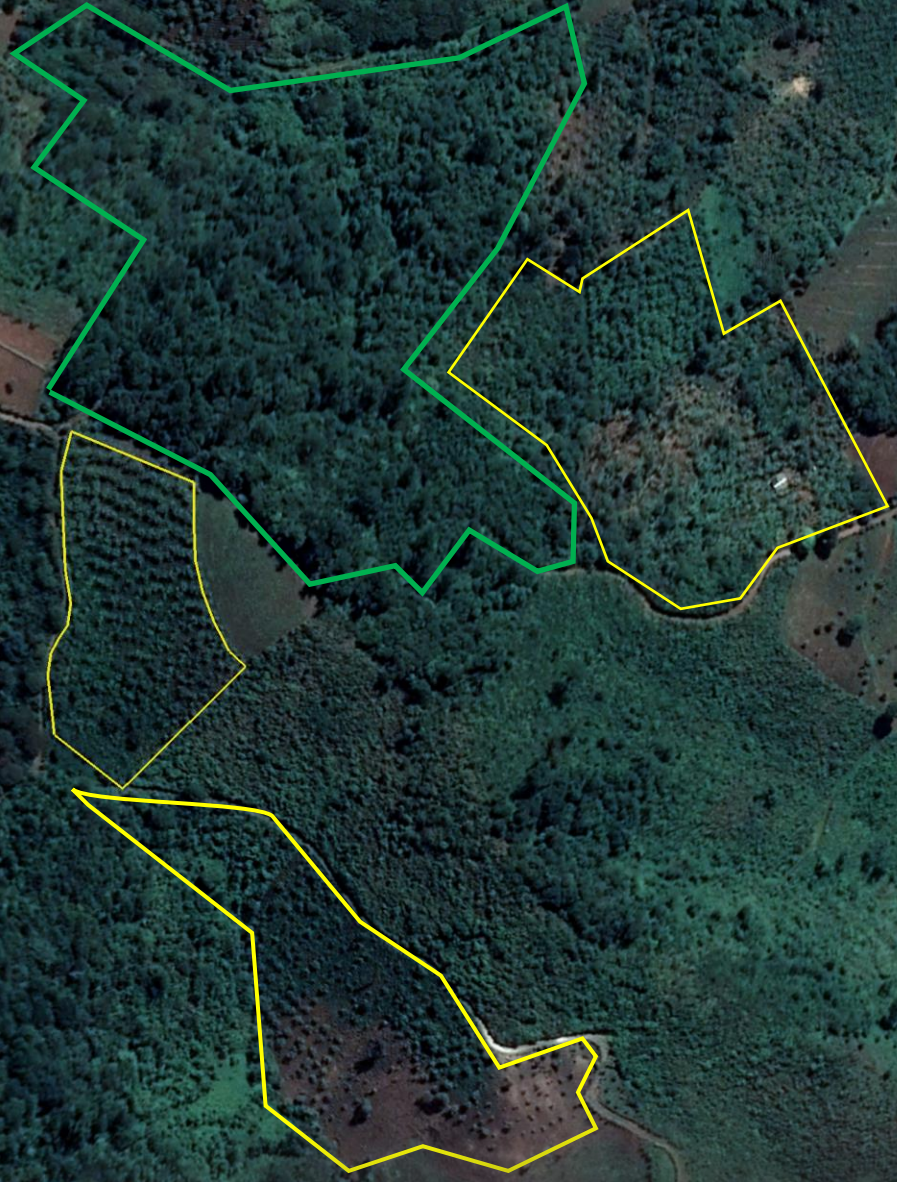- Satellite mapping limitations in agroforestry

photo credit: Aaron Stangl

Innovative Plot Mapping

- One button GNSS device for precise mapping "INI"

- High accuracy, unique ID generation for plot traceability

- Data transfer for deforestation and compliance analysis

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Forest

Coffee

Deforestation

Google Earth

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INI Applications

- System application in Costa Rica and Nicaragua

- Expanding languages for user interfaces

- Planned interface for non-literate users

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Timber Traceability

- Timber Tracing System for sustainable wood sourcing

- Unique IDs for transparency and supply chain traceability

- EU market focus for sustainable timber

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Brazil Pilot Project

- Pilot in Brazil with IBAMA and University of Paraná

- Aim: Demonstrate technology effectiveness in diverse regions

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Meet the Team

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GALILEO MASTERS 2021 Prize Winner

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greenstart
klima + energie fonds

SPACE4ENERGY HACKATHON

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