Capacity Building Support for the Payment Environmental Services Program

Monitoring Experience

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Content:

- Monitoring events.
- Actors.
- Monitoring Tools.
- Other activities: Geographic layers and statistics of PES Program.
- Detected Issues.
Payments for Environmental Services Program (PESP)

Legal Frame

Monitoring

Administrative

Financial

Technical Process
¿Who make monitoring?

PESP

Monitoring Department (Fonafifo)

Regional Offices (FONAFIFO)

External audit

Forest Engineers (Legal Trusth)

SINAC
Monitoring tools

- Management of data.
- (by a File of farm's owner or by information on line)
- Field Visit by sample.
  - Geographic Information System (GIS)
  - Satellite images
  - Sampling Plots
  - UAV (Unmanned aerial vehicle) or Drones
- Other activities: geographic data base management & forest cover layer.
- The next year: Monitoring Web App & mobile App for Android.
Management data:
On line data: for Technical and legal topics
Next January!!

Make Field visit by “on line” coordination
Web App & mobile App for Android.
How we choose the farms to visit?
Random sample (10%)

Weight by:
✓ Regional Office
✓ PES activities
**Data Preview**

- Check the file of each project
- Upload data to GPS
- Check Access roads (GIS)
- Check geolocation of the farm and additional farms (neighbors)

**Before in office**

- Announce 8 days before our visit to owner or forest engineer. (email or call)

**Field visit**

- Take GPS Waypoint
- Walk by limits of farms
- Confirm activity
- Take Pictures
- Make measurements (plots)
- Drone view

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**Field Visit**

- Take GPS Waypoint
- Walk by limits of farms
- Confirm activity
- Take Pictures
- Make measurements (plots)
- Drone view
Field Visit: Use of GPS waypoints
Field Visit: Use of Geographic Information System (GIS)

- Strategic Planning to save human and economical resources.
Field Visit: Satellite images use
Field Visit: Satellite images
Field Visit: Satellite images

April, 22

March, 04
Field Visit: aerial images
UAV (Unmanned aerial vehicle) - Drones
Reforestation activities from Dron
Coverage issues
Deforestation
Plantation management Issues
Other activities

Location of farms in PES Program

Making layers of PES farms

Statistics Producer
Update of PES layers
PES In biological corridors

Statistics producer
GIS management

- Land Coverage
- Public Sector
- Academics
- Carbon data
Some Pictures