



Capacity Building Suport 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.



















Legal Frame

Pillars of the PES Program

Financing sources

Monitoring and Evaluation









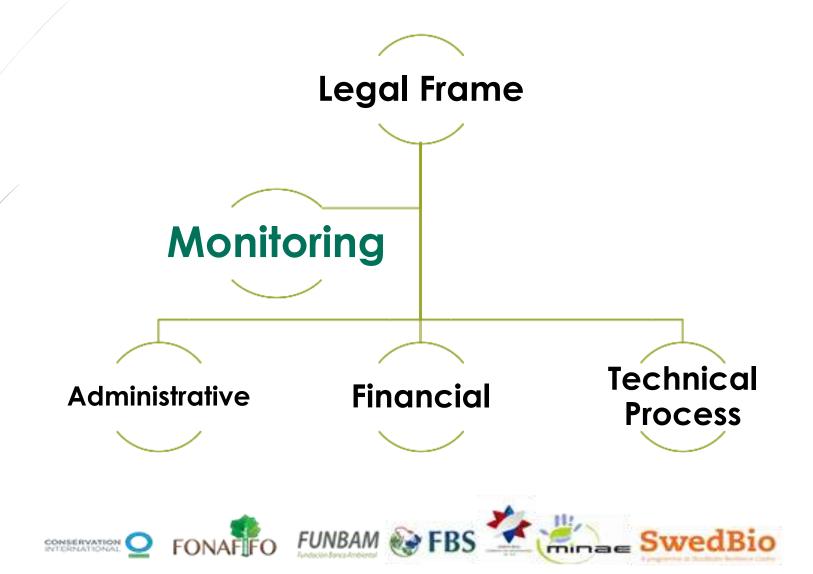


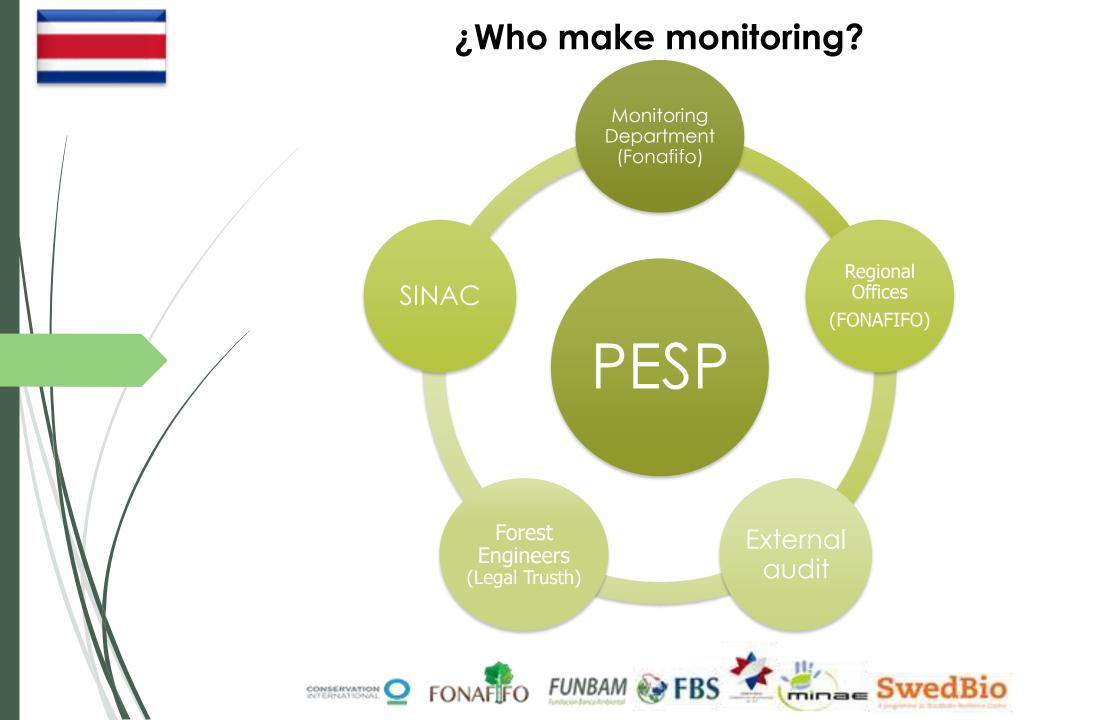
















Monitoring tools



- ✓ 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:









Sistema de Control de Gestión Institucional (SCGI)



Citas PSA

Reservar entrega de doc.



moCYM

Módulo Control y Monitoreo



geNOTI

Gestion de Notificaciones



siPSA

Gestión de PSA.



ediPSA

Expediente PSA



siCAD Solicitud de Información



OGC

Servicios Espaciales



siGAFI

Gestion Admin - Financiero



PCB

Conserv, de Biodiversidad



















On line data: for Technical and legal topics























Next January!!

Make Field visit by "on line" coordination

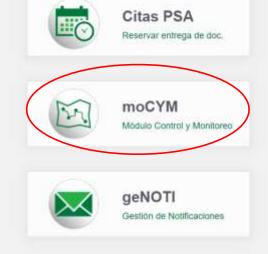








Sistema de Control de Gestión Institucional (SCGI)









OGC Servicios Espaciales



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Gestion Admin - Financiero



PCB Conserv, de Biodiversidad







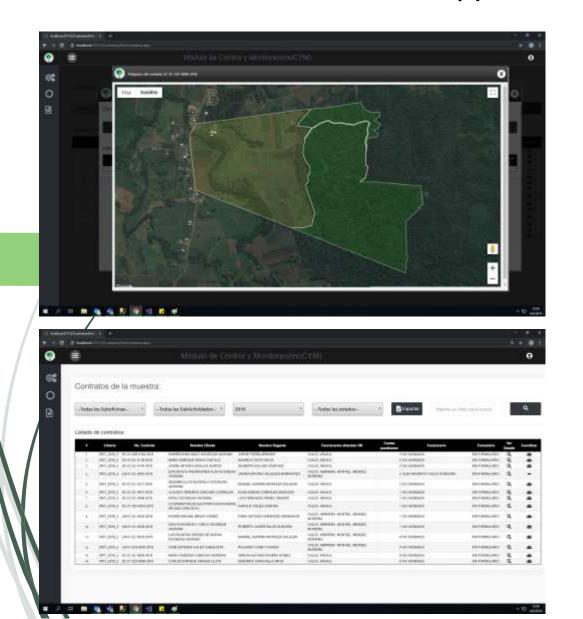


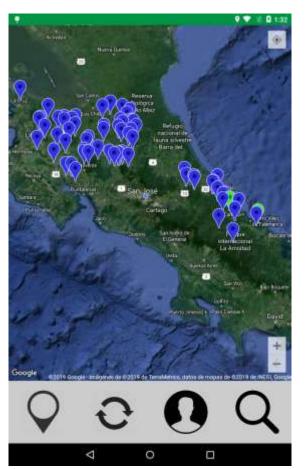






Web App & mobile App for Android.







Observations Generale

Todo cometo, escepto ness setoles sellato

Firms del Procument

Fires (el ciene:

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

Data Preview

Before in office

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

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

Field visit











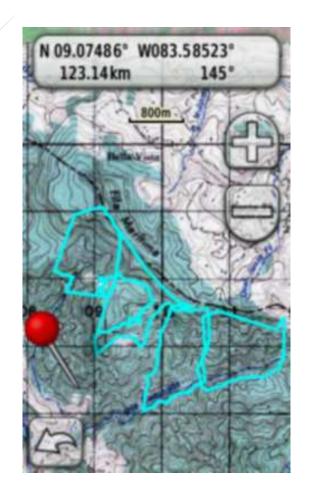








Field Visit: Use of GPS waypoints













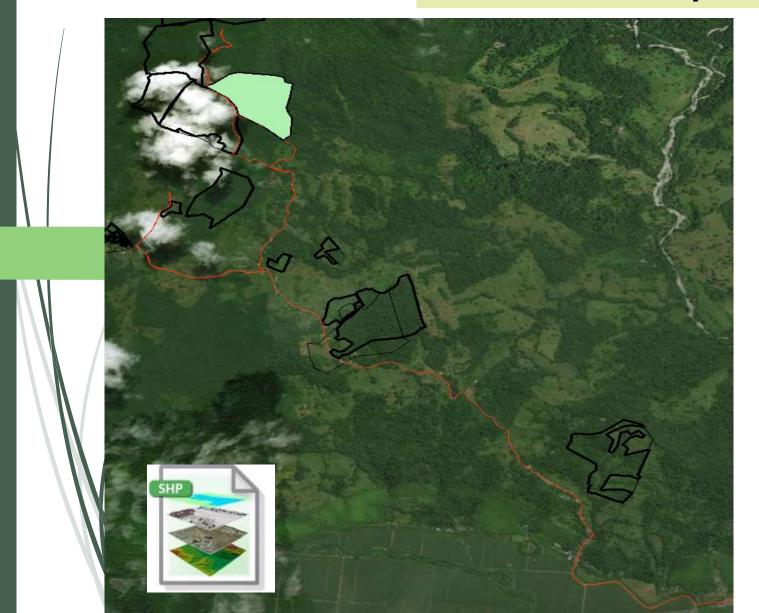






Field Visit: Use of Geographic Information System (GIS)







✓ Strategic Planning to save human and economical resources.







Field Visit: Satellite images use



























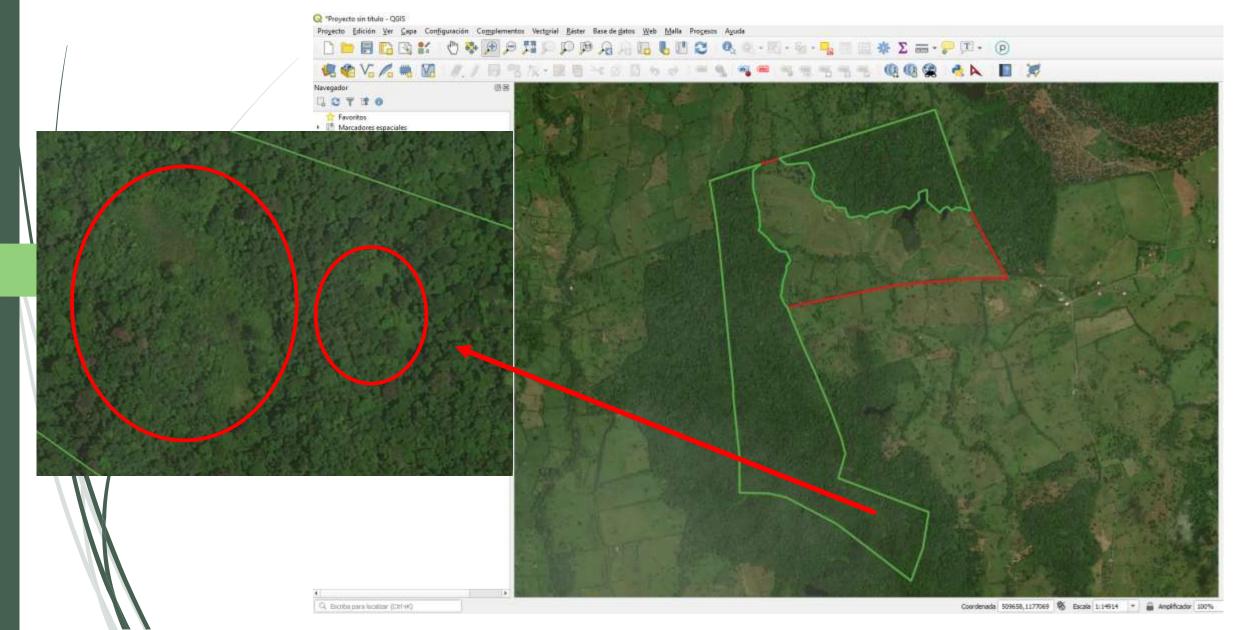






Field Visit: Satellite images

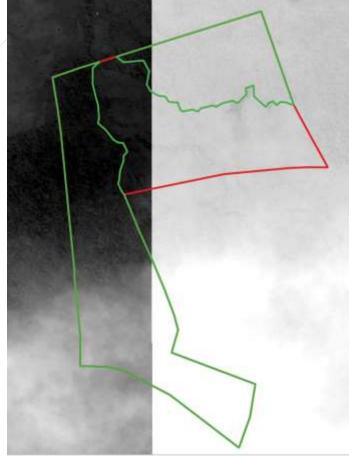
















March, 04



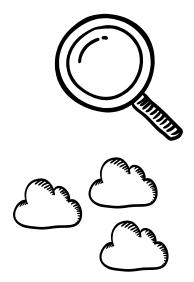






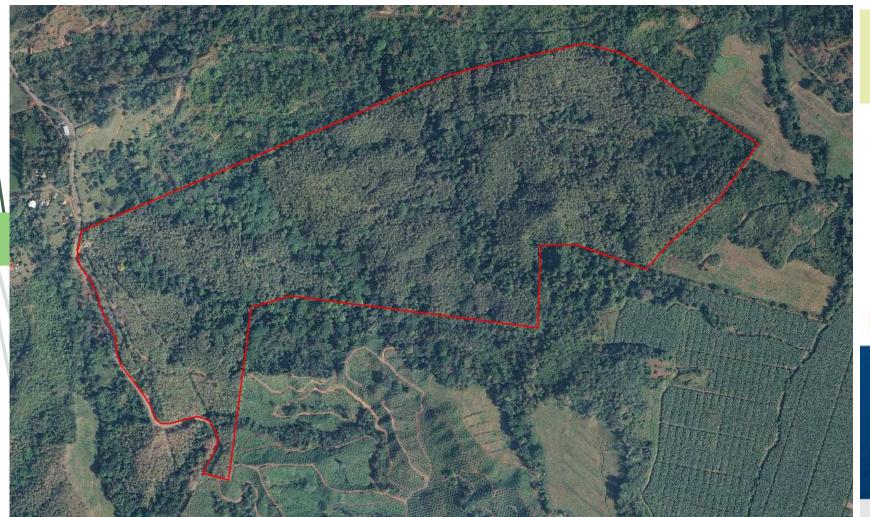












Field Visit: aerial images















UAV (Unmanned aerial vehicle) - Drones























Reforestation activities from Dron









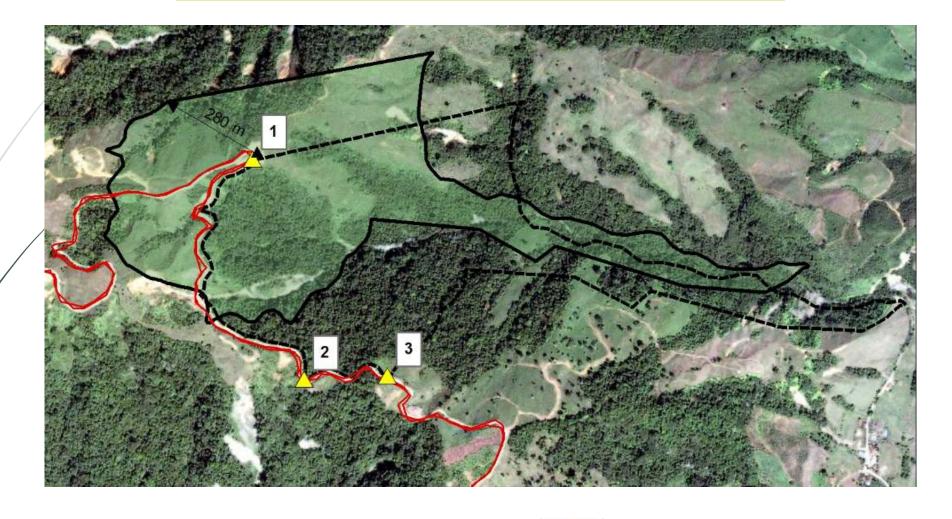








location Issues





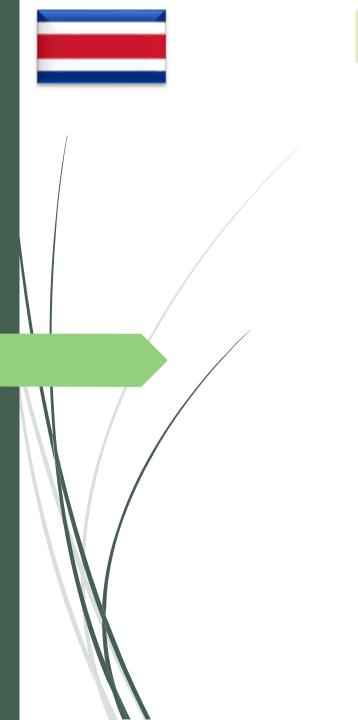




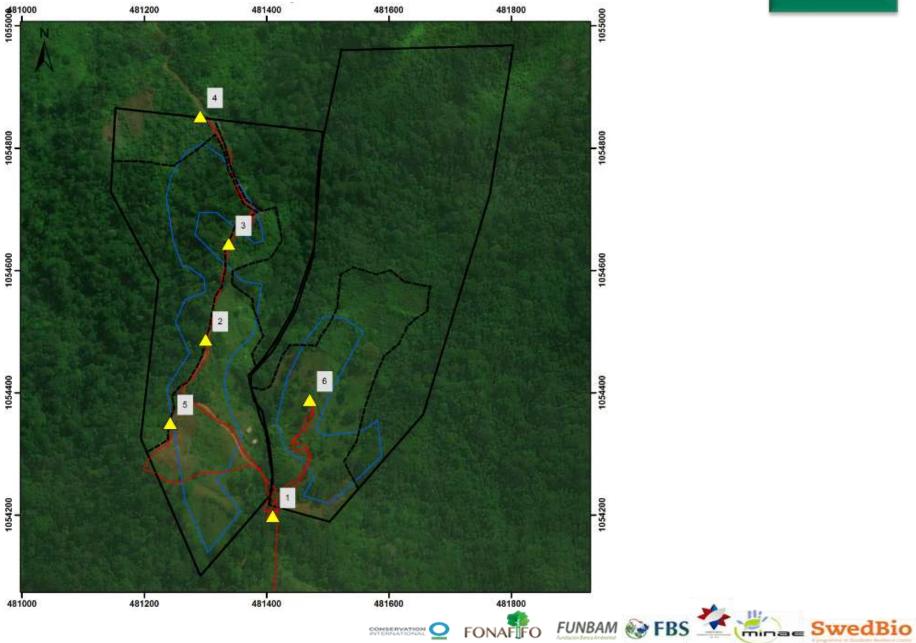








Coverage issues





















Forest Fire













Forest Fire

















Other activities

Location of farms in PES Program

Making layers of PES farms

Statistics Producer



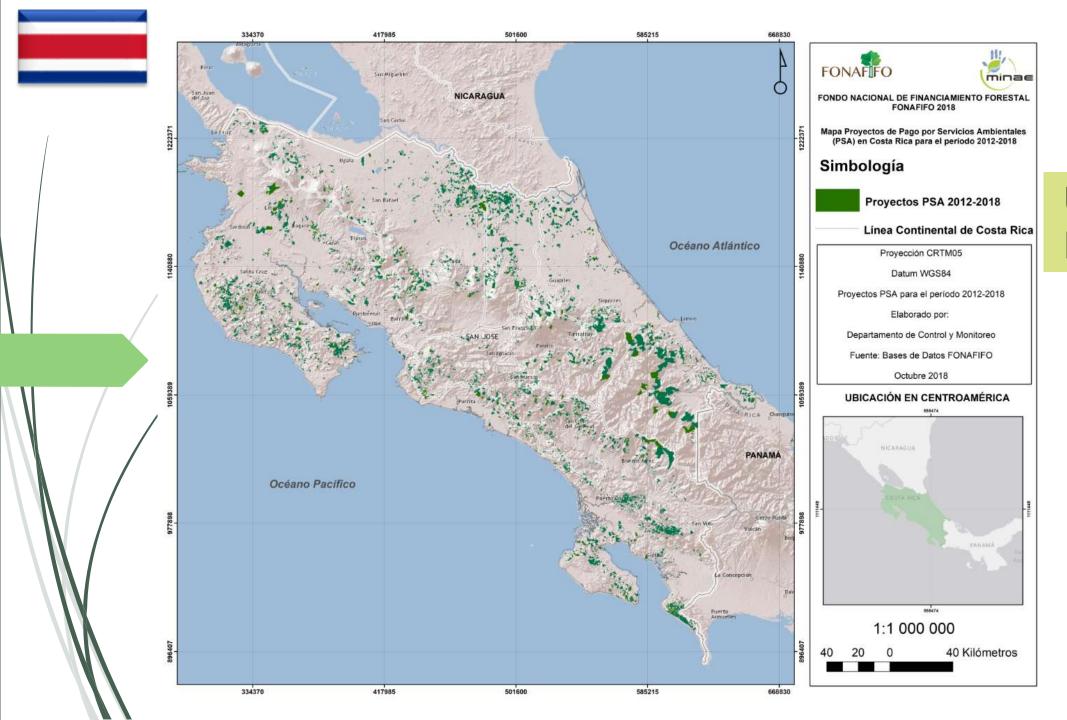






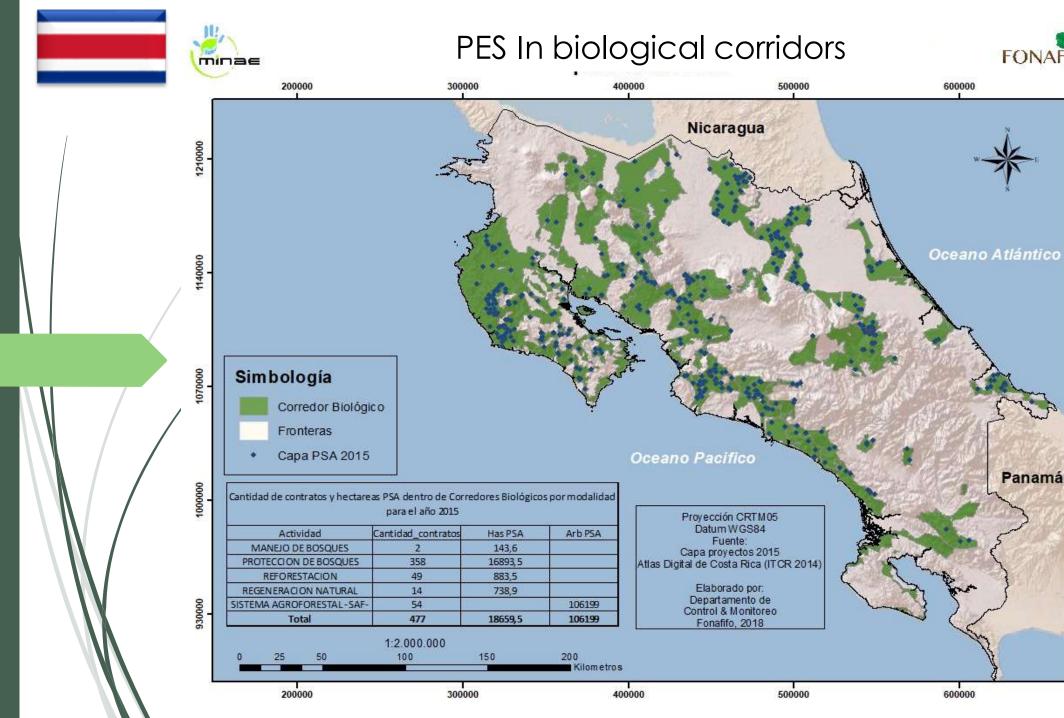








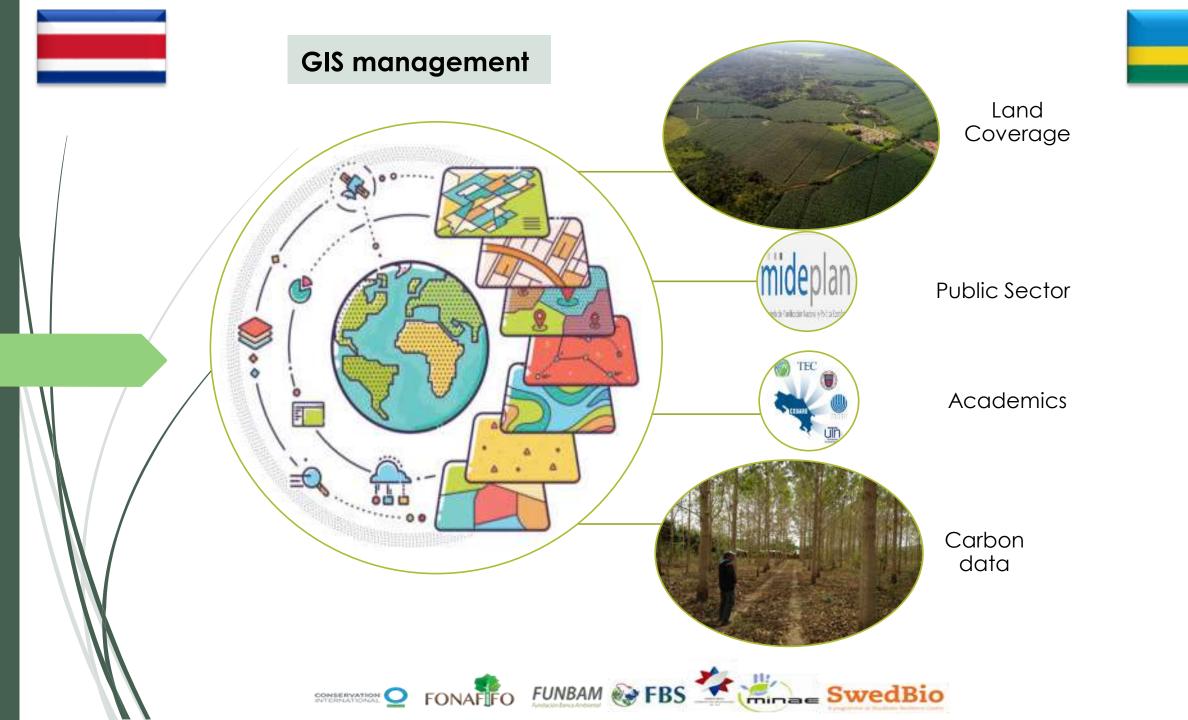






Panamá









Some **Pictures**

























Thanks!

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