Working with Indigenous Peoples & Local Communities on community-based forest monitoring

GFOI Plenary 2023: Side event

Forest and Land Monitoring for Climate Action, for and by Indigenous Peoples and Local Communities

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Capacity strengthening of **Indigenous Peoples/ Local communities - LAC**

Mapping – remote sensing
- Smartphones
- Drones
- Using computers/GPS
- GIS and databases
- Geoservers
- Monitoring stations
- Database management
- Google Earth Engine
- QGIS

Terrestrial data
- Natural resources
- Forest inventories
- Non-timber products
- Database for forest inventories analysis

Bottom-up approach for CBFM REDD+

Tools:
- **FPIC**
- **VGGT**

Concept of community-based forest monitoring and responsible governance

Define the priorities of what to measure and monitor

Establish protocols for measurements and monitoring

Procurement of technical equipment

Letter of Agreements (LoAs)

If of interests - Integration to National Forest monitoring systems - protocols

Peer-to-peer exchanges (Reinforce knowledge -train the trainers)

Empower Indigenous Peoples and local communities to support land tenure processes and enhanced responsible Governance

Panama: Community-based approach timeline

2014	2015	2016	2017	2018 – to present

2014

Learn by doing training in the National Forest and Carbon Inventory (**NFI**) protocols

2015

Trainings:
- **GIS**
- **Remote sensing**
- NFI-**intelectual property protocols**

2016

Trainings:
- NFI
- GIS
- Remote sensing
- **Database**
- **Drones**

Conceptual framework for community forest monitoring

2017

Trainings:
- GIS and database
- Remote sensing
- Drones
- **GeoServers**

Included all congresses and councils

Equipment

Peer-to-peer exchanges

Sustainable forest management and governance

2018 – to present

Peer-to-peer exchanges (national and international)

Integration of governance processes (**internal regulations, complaints guide**)

Application of tools for land titling, delimiting areas, early warning systems, etc

GeoIndigena

Key messages

- Reinforce knowledge - train of trainers (Hire trained Indigenous Peoples)

- Strengthen the capacities of national Indigenous Peoples organizations when selecting countries.

- Strategic alliances with government and other initiatives.

- Local communities exchanges – peer-to-peer exchanges

- In LAC, there is a governance institutional framework on IPs, technical experiences on the part of IP's national organizations in forest monitoring, and sufficient technical capacity to empower and support other regions.