

**Joint GFOI / GOFC-GOLD / CONABIO / SilvaCarbon R&D Expert and Capacity  
Building workshop on:**

**Regional solutions to forest type stratification and characterising the forest  
state for national forest monitoring and carbon emissions reporting  
(REDD+ MRV and LULUCF)**

**Universidad Nacional Autónoma de México**

**Unaided e Seminarios**

**Mexico City, June 7 - 10, 2016**

## General comments

- **Technical solutions for NFMS exist. Implementing those is the challenge. Flexibility to update existing systems also a challenge**
- **Map data are not the truth. Reference data needed (but also not the truth – but of greater quality).**
- **Need for VHR data (for reference)**
- **Disconnect with the donors. Unrealistic expectations vs cost-efficient strategies**
- **NFMS should go beyond climate change mitigation, considering adaptation and Sustainable Development Goals (SDGs)**
- **EF database. Lack of info for certain pools.**
- **C gain should be considered as important as C loss**
- **Guidance on cost-efficiency for stratification methods**
- **Gain/loss vs stock change. Accuracy, precision and cost efficiency?**
- **Potential for new concept high-spatiotemporal resolution satellite mission**

## General comments

- **Different emphasis of emissions systems. Reporting on specific OR all change classes**
- **Benefits of regional collaboration highlighted**
- **Cost-effectiveness – Brazil example**
- **Closer collaboration between GFOI R&D and CB acknowledged**
- **Map accuracy assessment (satisfying the IPCC GPG) often not identified as priority (for countries with limited resources)**
- **Develop good practice with available data**

## R&D needs

- **Degradation and regrowth. How to deal with it.**
- **R&D on dry forest and Andean forests (high altitude, slow growth) required**
- **Data integration**
- **Methods for emissions estimations of other (than AGB) C pools**
- **R&D needed for secondary forest dynamics**
- **Benefits of other technologies, such as LIDAR and SAR?**
- **R&D needed for automation (AI)**
- **Development of structurally robust allometrics**



## Capacity building and tools

- Guidance on (how and why to perform) forest and land stratification
- Lack of guidance to address “non-standard” conditions, e.g. missing reference data
- Conflicting guidance. MGD provides solutions (look at it!)
- Maximising information collected in NFI and other ground surveys (e.g. type of disturbance, drivers)
- Error propagation (how and whether required) (Mexican system included qualitative info)
- Citizen science/crowd sourcing - guidance required?
- Path from space data to high quality C emissions estimates
- INCAS, FullCAM, CBM-CFS3, moja.global – take better advantage of
- Open source software/platforms (e.g. RSGISLib.org, moja.global, F-TEP, etc.)
- Training and accuracy assessment and IPCC GPG criteria
- How and why to use biomass products for stratification