

Evolving technologies and community-based monitoring for effective REDD+ implementation

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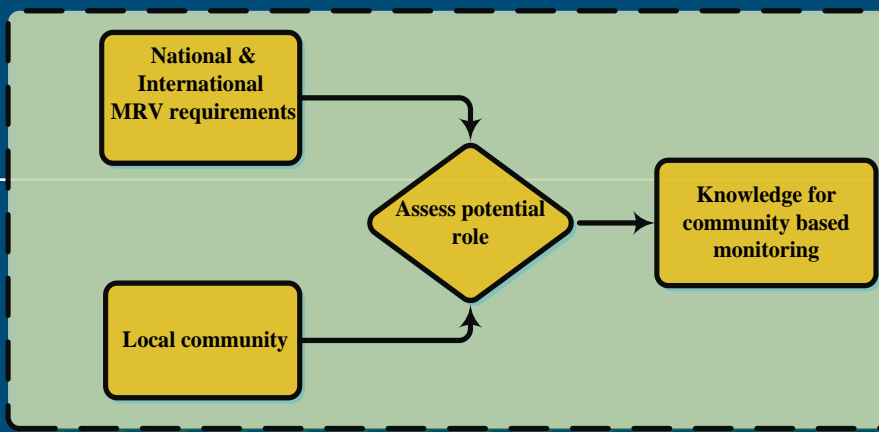


Introduction

- Monitoring tropical deforestation and forest degradation are central elements for REDD+ implementation
- Monitoring schemes based on remote sensing and field measurements present implementation challenges when applied at national levels.
- Advancement in handheld Information and Communications Technologies (ICT) has enabled the local communities to monitor their forest in an efficient and cost effective way.
- Ground based LIDAR, fine resolution satellite and professional data on forest change can be used to verify the data collected by local communities.

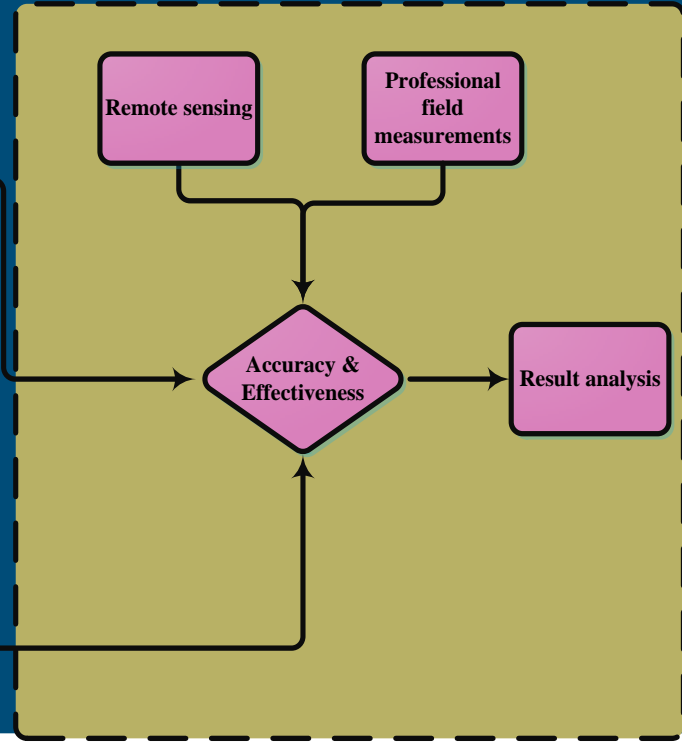
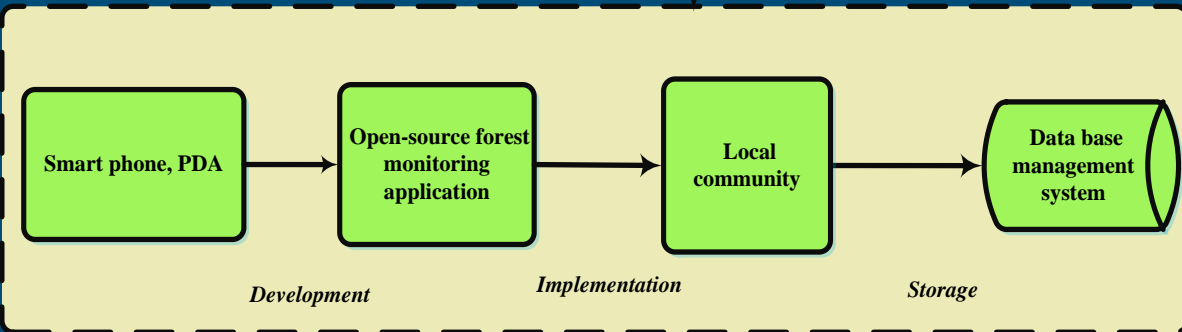
Objectives

- To assess the potential role of communities in monitoring forest carbon stocks and change activities
- To test and implement an open source software application for smart phone, PDA to measure forest carbon stocks and change activities.
- To develop methods for extracting forest inventory parameters and biomass using ground based LIDAR.
- To evaluate accuracy and effectiveness of community based monitoring in comparison with remote sensing, ground based LIDAR and expert field measurements

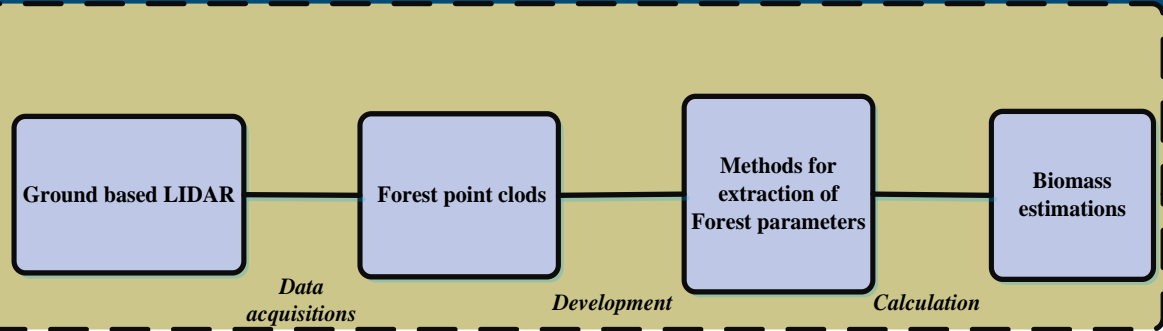


Objective 2

Objective 4



Objective 3



Test sites

- Develop country: Lobos site Netherlands
 - Methodological development
- Developing country: Vietnam, Nepal , Ethiopia
 - Implementations

Questions & suggestions

