# Reducing Emissions from All Land Uses- REALU: Research Results and Activities

By

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# Presentation Outline

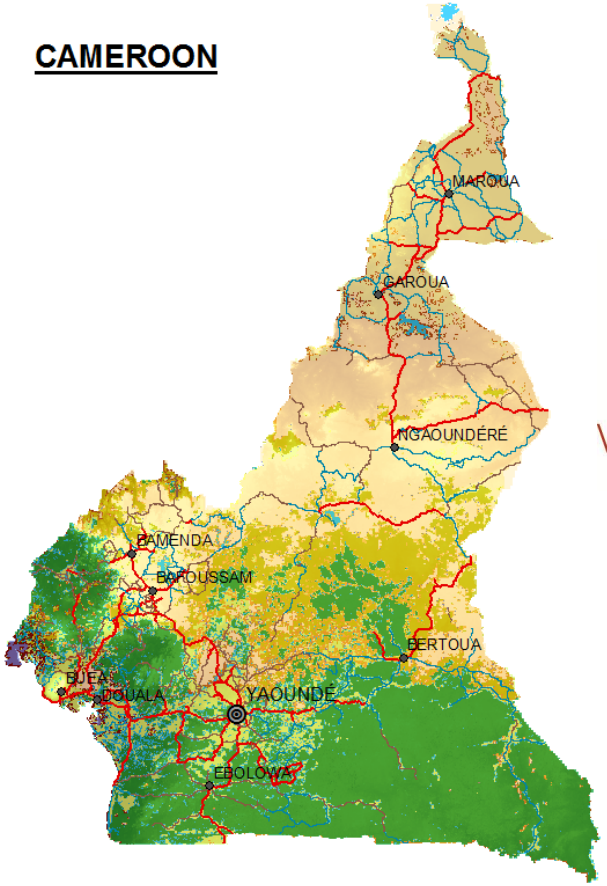
- **REALU Team**
- **Objective of REALU**
- **Study Area in Cameroon**
- **Timeline of REALU**
- **Achievements of REALU**

✓ **Key Research Results**

✓ **Sensitization Workshop**

✓ **Training Workshop**

# REALU Partners in Cameroon




World Agroforestry Centre
TRANSFORMING LIVES AND LANDSCAPES

type route importance saisonnali

IITA
STCP
Sustainable Tree Crops Program

IRAD

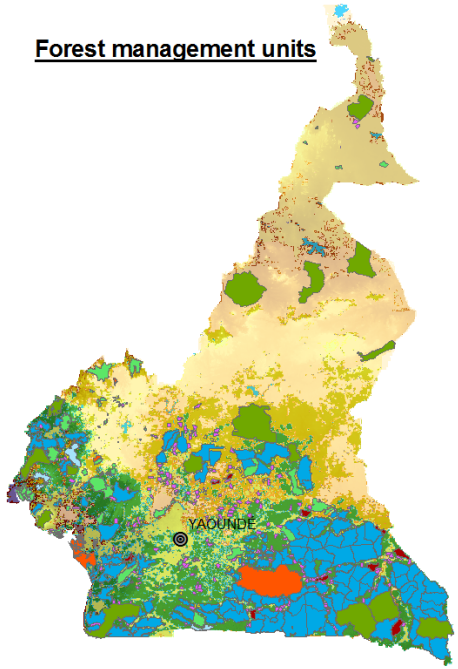
Norad

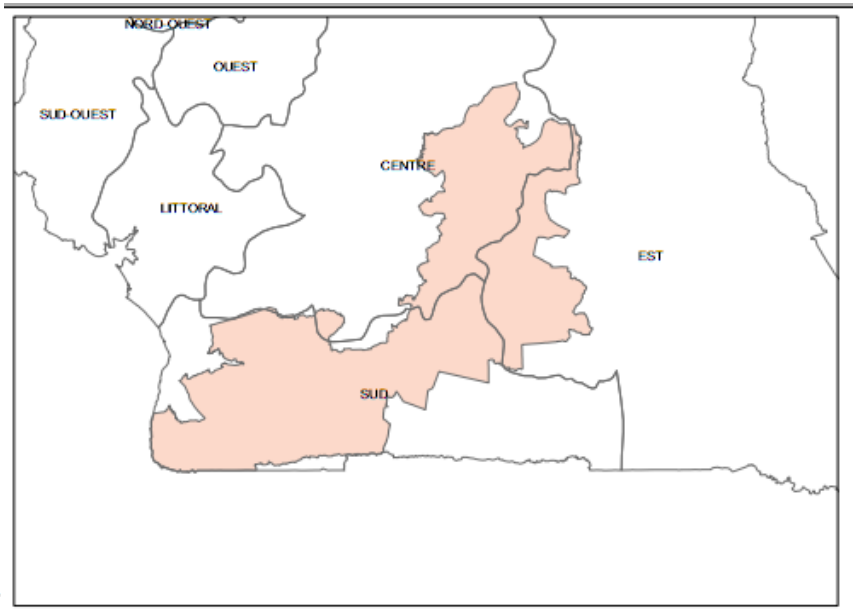
# What is REALU and what is its goal

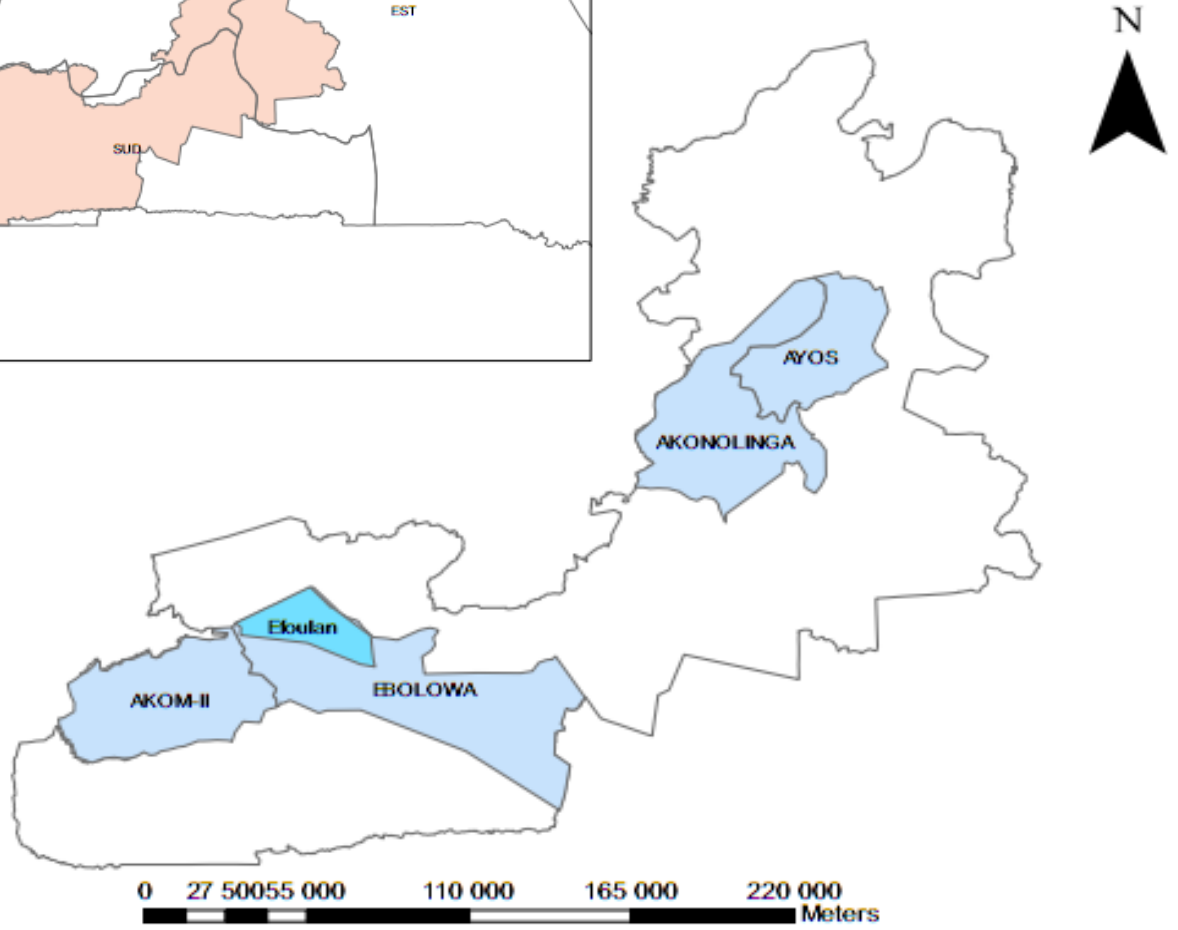
**REALU – Reducing Emissions from All Land Uses – takes a step further in that in addition to REDD+, it considers all transitions in land cover that have the potentials to sequester carbon, like peat land, mineral soil, trees-outside-forest, agroforests, plantations.**

**The overall goal of REALU is to develop, through action research, a set of approaches, methodologies and national capacity to effectively implement landscape-based strategies for reducing emissions from deforestation and degradation (REDD+), within the context of sustainable rural development.**

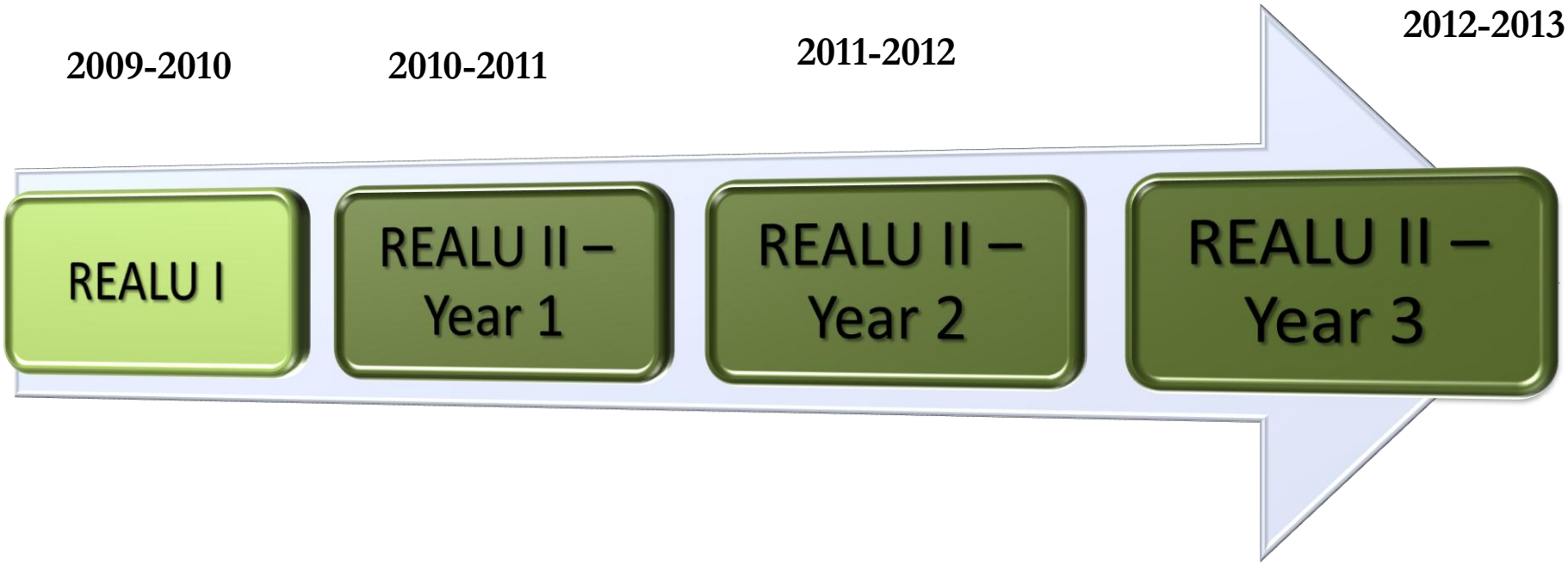
# Where we work?



# Timeline of REALU



# Direct drivers of deforestation

1. Agricultural expansion
- Shifting cultivation for food and cash crops
- Expansion of annual crop systems in peri-urban area
- Large-scale plantations like oil palm and rubber plantations

2. Extraction
- Charcoal
- Fuel wood

3.Infrastructure
- Roads
- Markets
- Settlements

4. Industry
- Mining

# Indirect drivers of deforestation

1. Demographic factors
- Population increase

2. Economic factors
- Poverty

3. Technological factors
- More access to input for food and cash crops

4. Institutional factors
- Agricultural policy

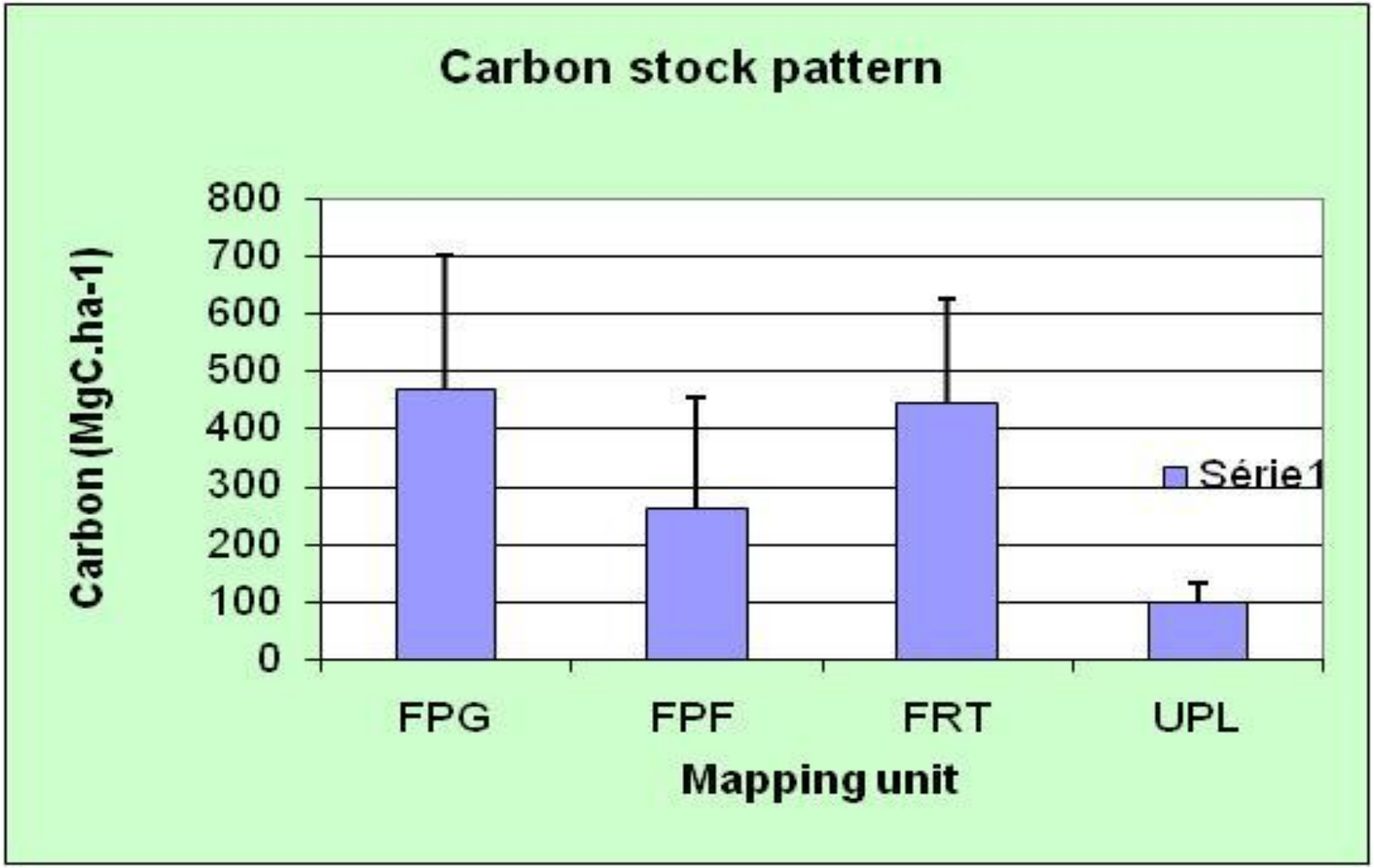
# Drivers of forest degradation

- In Cameroon for example, about 75% of the forest has been the object of some sort of exploitation and is degraded.

- The drivers of forest degradation include:

- Industrial Logging,
- Artisanal Logging
- Illegal Logging from the formal and informal sector.

# Carbon Sequestration Potentials of Peatlands




**C stocks variation between the mapping units**

# WORKSHOP ON THE SENSITIZATION OF STAKEHOLDERS ON THE REDD+ PROCESS IN BAFOUSSAM 26 - 27 MARCH 2012


**Local NGOs, Traditional Authorities, and Sectorial Administrators from the West and Northwest Region of Cameroon**

# WORKSHOP ON THE SENSITIZATION OF STAKEHOLDERS ON THE REDD+ PROCESS IN BAFOUSSAM, 26 - 27 MARCH 2012

**The overall objective of the workshop was:**

- **To encourage effective and active participation of all stakeholders in REDD+ process through information sharing and discussions.**

# WORKSHOP ON THE SENSITIZATION OF STAKEHOLDERS ON THE REDD+ PROCESS IN BAFOUSSAM, 26 - 27 MARCH 2012

**During the workshop:**

- **Participants shared their understanding of REDD+, the drivers of deforestation and forest degradation, and their impacts on their lives.**

- **Participants were sensitized on the R-PP (REDD Readiness Preparation Proposal) which is being developed for submission to the World Bank.**

# CAPACITY BUILDING OF NATIONAL STAFF ON CARBON STOCK MEASUREMENT - MBALMAYO, 20-23 May-2012

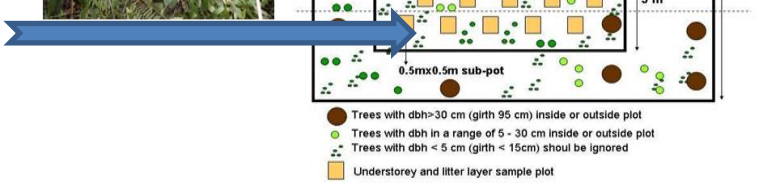

**51 persons were trained**

- **University lecturers**
- **PhD students**
- **Staff of relevant ministries(MINFOF/MINEPDED)**
- **Staff of local NGOs**
- **Staff of International NGOs**

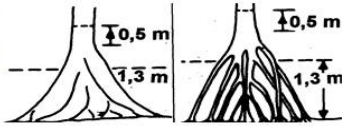
# DEMONSTRATION OF CARBON STOCK MEASUREMENT

**"Learning by Doing“**

**Theoretical Course**




- Cocoa Farm
- Home garden
- Old fallow




# DEMONSTRATION OF CARBON STOCK MEASUREMENT


## Results obtained by trainees

| | Cocoa farm | Old fallow | Home Garden |
|---|---|---|---|
| Above ground Carbon | 89,13 tC/ha | 118,73tC/ha | 31,75 tC/ha |

# Conclusion

- **A landscape-based approach for reducing emissions from deforestation and degradation is needed.**

- **Transitions in land cover affect carbon storage whether peat land, agriculture, or agroforestry systems.**

## Recommendations

- **There is a need for policy makers to design policies that:**

    1. **Serves to promote vegetative propagation of trees outside the forest (like *Dacryodes edulis)* as a strategy for carbon sequestration**

    2. **Promote conservation of peat lands due to their enormous carbon sequestration potentials**

- **Promote capacity building on carbon stock measurements at the national level so that replication is done at the sub-national level**

# Thanks a Lot