Mozambique’s MRV Roadmap

The pathway towards ER payments

Muri Soares – MRV Unit
Mozambique

- Country Area: 80 million ha
- Population: 33 million
- Forest area: 32 million ha
- Tropical dry forests (miombo)
- Among the highest deforestation of the continent
Mozambique’s MRV Roadmap

- National Forest Inventory
- Activity data
- Land use and land cover map
- Permanent Sampling Plots
- Participatory MRV
MRV Unit structure

- Emissions Reporting
- Permanent Plots
- Project Monitoring
- Data Science
- Participatory MRV
- Quality management
Mozambique’s MRV Roadmap Milestones

- 2016: MRV Roadmap
- 2017: Activity data, NFI
- 2018: LULC map, FREL submission, Permanent Plots
- 2019: Permanent Plots, Annual maps of deforestation, PMRV
- 2020: PMRV, 1st Monitoring Report for FCPF ER Program
- 2021: NFMS document
- 2022: 1st BUR, REDD+ Technical Annex
National Forest Inventory

- 3420 plots
- Finalized in 2018
- Emission factors generated all terrestrial forests of Mozambique
- Used in:
  - Annual allowable cut
  - 1st FREL
  - FCPF ER Program
  - BUR submission
Activity data (2001-2016)

- Systematic sampling grid 4x4 km
- All land cover class changes

- Used in:
  - 1st FREL
  - FCPF ER Program Baseline
  - 1st BUR
Activity data – Hybrid approach (2017->)

• Combination of wall-to-wall mapping and sampling
• 2017 – present
• Produces annual estimates of deforestation
• Used in:
  • FCPF ER Program Monitoring
  • ERs in landscape projects
  • Emission estimates at national, provincial and district level

Link: https://arcg.is/0HGr1L
2016 Land use and land cover map

• Combination of automatic classification and extensive manual editing

• Used in:
  • Stratification of Permanent plot network
  • Post-stratification of NFI results
  • Historical vegetation map of Mozambique
  • Red listing of ecosystems
Permanent Sampling Plots

• Essential for forest management
  • Species growth rates
  • Forest Dynamics
• Installation manual
• Quality assurance protocol
• 25/100 PSPs installed

Link: https://bit.ly/localizacaoPAPsMOZ
Participatory MRV

- Validation of deforestation maps and causes of deforestation
- Information sharing with local communities
- Data collection by all stakeholders: local government, NGOs, local communities.
- Collected 183 events of deforestation in 5 provinces

Mozambique’s NFMS

THE REPUBLIC OF MOZAMBIQUE
NATIONAL FOREST MONITORING SYSTEM
(Version 1)

May 2021
Next steps

• Annual monitoring Forest Degradation
• Implement PMRV at national scale
• Complete the Permanent Sampling Plot Network
• Continue supporting UNFCCC reporting:
  • 2nd BUR (2023)
  • 2nd FREL (2024)
  • 1st BTR (2024)
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