

Presentation of Mozambique Final ER-PD

Zambézia Integrated Landscape Management Program (ZILMP)

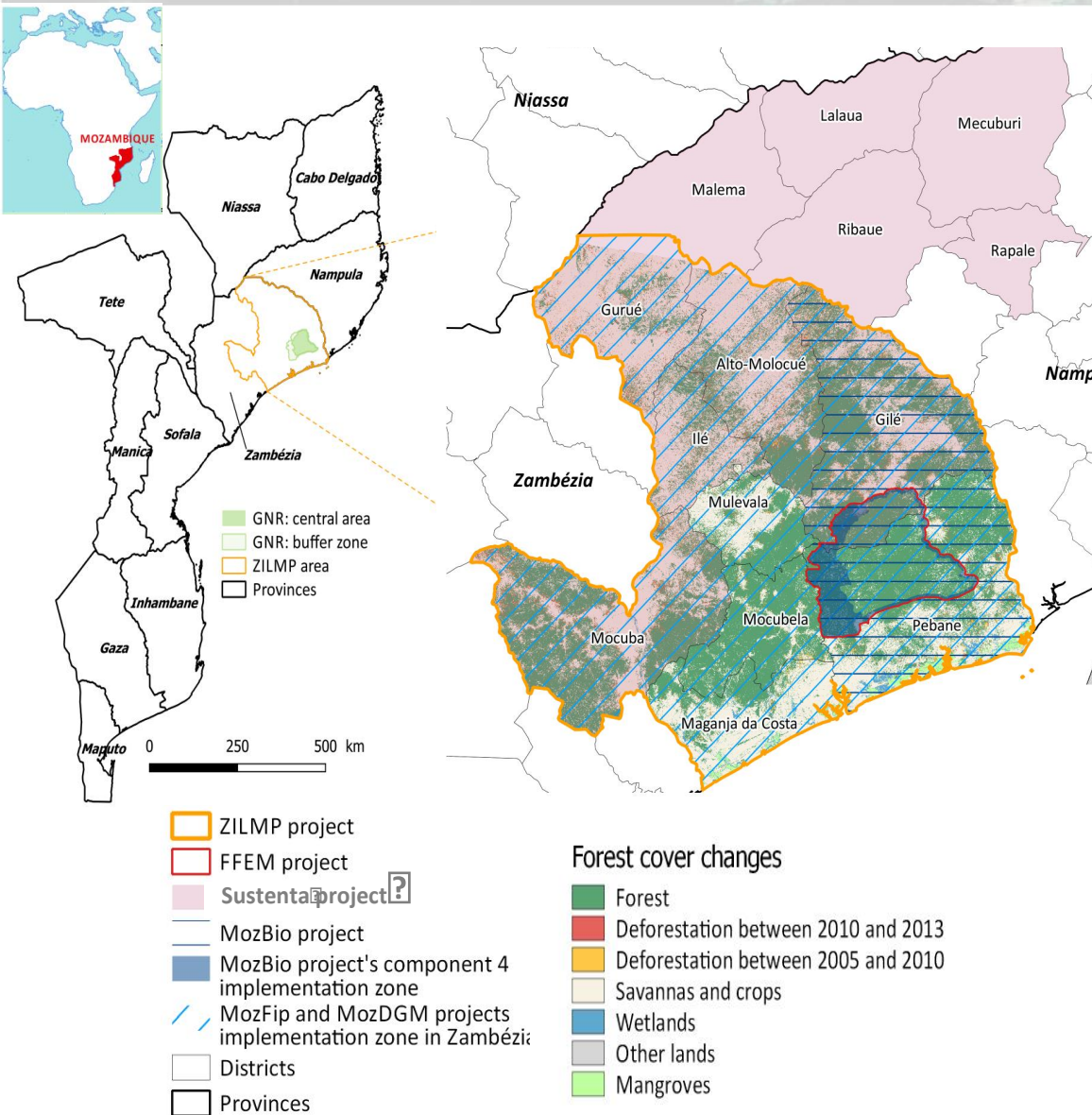


Forest Carbon Partnership Facility

17th Carbon Fund Meeting (CF17)

January 30th – February 1st, 2018 in Paris

1. ER Program area: Jurisdiction and key features



Zambezia province

14% of Mozambique forest

Most densely populated (79% rural population; 70.5% < poverty line)

9 districts: 5.3 M ha

3M ha forest (56%): Miombo & mangrove (1%)

Deforestation rate above national level, 2005-2015:

- Def. : 35,061ha/yr
- Def. rate: 1.05%

Structural program enabling to test how standing forest can generate meaningful benefits for rural communities

2. Key drivers of deforestation



Key drivers in in ER Program area

DEFORESTATION

Small-scale agriculture – 72%

Slash & burn practices to optimize work productivity for maize and cassava

DEGRADATION

Charcoal production

By-product of agriculture with no additional impact on forest cover

Forestry

Illegal logging and non-compliance with management plans and legislation

Underlying causes in ER Program area

- **Poor inter-institutional cooperation and law enforcement**
- Lack of organized process for recognizing **land tenure**
- **Low access to energy**
- **No alternative sources of income** for forest dependent population and poor access to market

3. Principal interventions

ER interventions

- Promotion of conservation and climate smart agriculture
- Structuring of key sustainable supply chains for cash crops production
- Development of multi-purpose plantations and restoration of degraded lands
- Improvement of charcoal production
- Strengthening protected areas management

Enabling activities

- Development, coordination and monitoring of the ER Program (incl. Dialogue and Redress Mechanism, Multi-Stakeholders Landscape Forum)
- Community land delimitation and Land use planning
- Law enforcement, forest governance and management



Implementation plan

- **Priorization of activities & link with other projects** (Sustenta, MozBio, MozFIP and MozDGM)
- **Partnerships**
- **Engagement of stakeholders**
 - Adaptation of interventions to local constrains, based on committed **extension-agents**
 - Consultative forums and mechanisms involving local stakeholders, incl. **Dialogue & Redress Mechanism**
 - Increase of benefits and existence of a transparent **Benefit Sharing Mechanism**
 - Efficient and large-scale **land titling and delimitation process**



5. ER Program budget and financial plan

Sources of funding

Sustenta (flagship program), MozFIP, MozDGM and MozBio

5M USD asked as advance payment for the BSM, particularly for organization of communities

GoM Contribution

Political commitment

In-kind contribution (staff salaries & time allowance)

Loans taken out by GoM: **42.2 M USD** (MozFip & Sustenta)

ER payments

ER payments will not be used to finance ER interventions: **No risk of double financing of activities**

ER payments will be used for **scale up and benefit-sharing** purposes

Other instruments

Innovative financing instruments - ex. Matching grant (Sustenta project)



6. Reference level used to design the ZILMP

- Reference period: **2005 – 2015**
- Forest definition: **Minimum surface of 1 ha, minimum height at maturity of 5 m and minimum coverage of tree of 30%** (Falcão and Noa, *Final Report on forest Definition*, 2016)
- Method (IPCC, 2006): **$E = \text{Activity Data} \times \text{Emission Factors}$**
 - AD: Extracted from national FREL/FRL (point sampling)
 - EF: Specific forest inventory (eq. all. : Chave et al., 2015)
- Total deforestation during reference period : 350,610 ha**
- Reference emission level: 10,220,797 tCO₂e/yr**

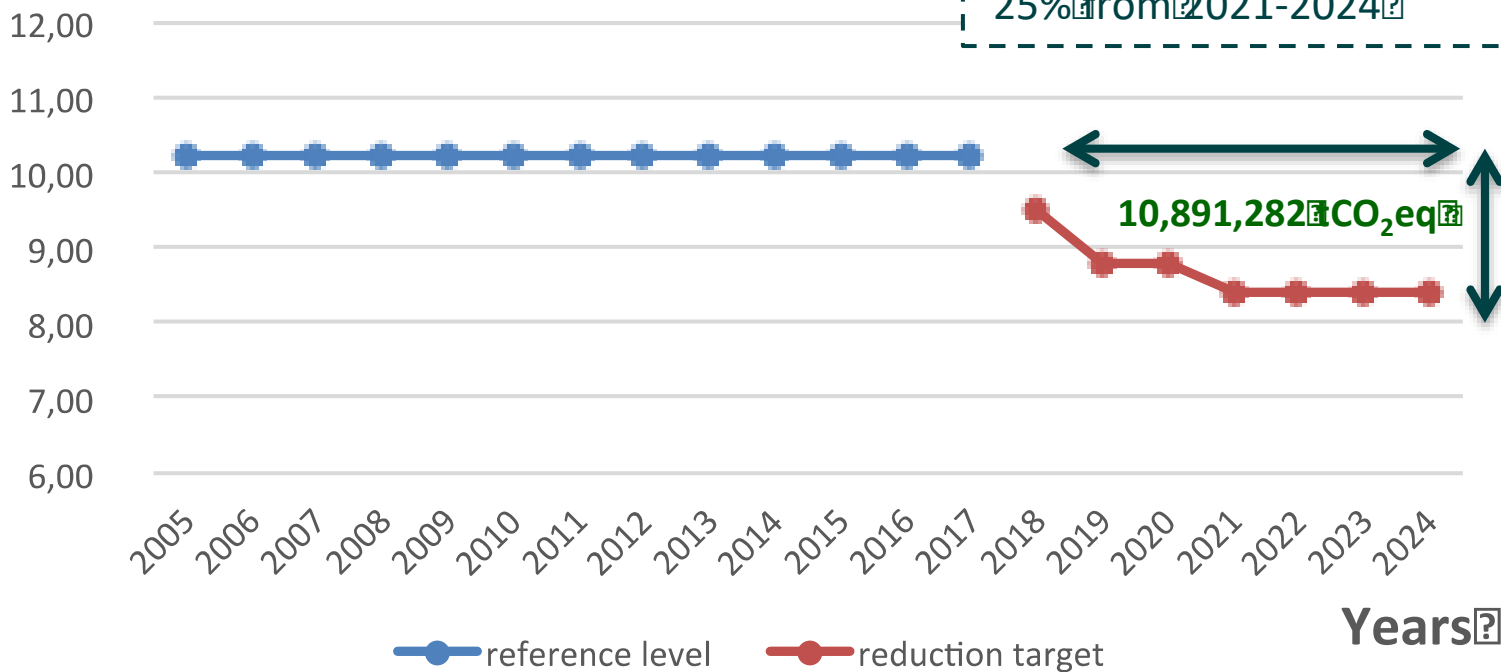
LULC changes detection using Collect Earth Tool. (www.openforis.org). High resolution imagery from Google Earth



Reference periods	Historical deforestation rate - in ha/yr	Emissions related to AGB - in tCO ₂ e	Emissions related to BGB - in tCO ₂ e	Total reference emissions - in tCO ₂ e/yr
Semi-deciduous forests	27,068	5,595,948	1,492,808	7,088,755
Evergreen forests	7,993	2,503,752	628,051	3,131,803
Mangoves	0.56	182	58	239
Average over the reference period - baseline	35,062	8,099,881	2,120,916	10,220,797

7. Ex-ante estimation of emissions reductions (ERs)

Emissions in MtCO₂eq



Uncertainties
buffer: 4%

Reversals
buffer: 26%

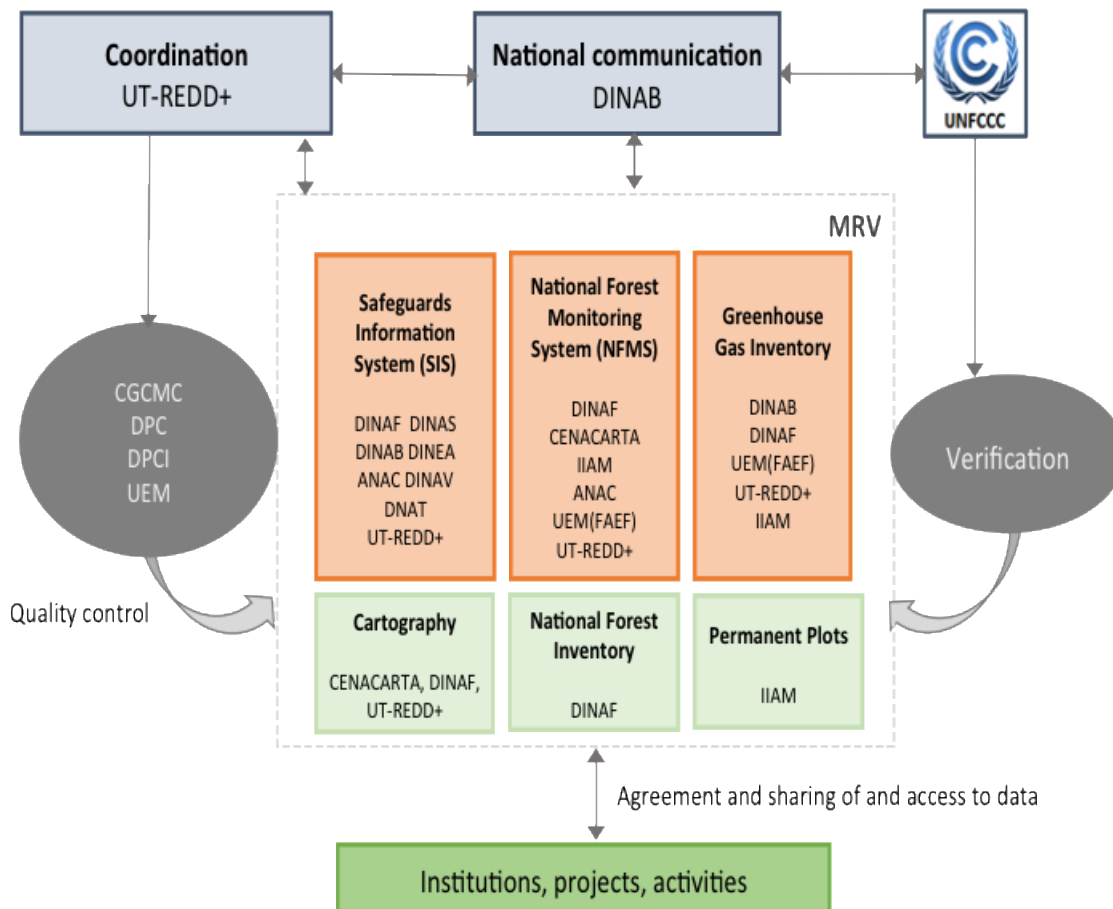
Expected Ers to be generated by the ZILMP between 2018 and 2024 (crediting period)

- Volume of ERs to be provided to FCPF according to LOI (2015): **8,724,732 tCO₂e**
- Possible update of Maximum Contract Volume to: **10,000,000 tCO₂e**

8. Measurement, Monitoring and Reporting

- Extraction of AD and EF from National Forest Monitoring System (NFMS):**

- National Forest Inventory (NFI): **Update of EF every year** (first update: 2018) - **NFI update every 10 years**
- AD: Updated every 2 years** – comparison of LULC map with Sentinel-2 and Landsat-8 (reference map: 2016)
- National Greenhouse Gas (GHG) Inventory:** Updated in 2018



In 2018, the PMRV system will be tested as a pilot in 15 districts of Zambézia and Cabo Delgado and will be fully operational by July 2018

- Monitoring at **central** level: UT REDD+
- Monitoring at **program** level: PIU in Mocuba
- Monitoring at **local** level: local offices for community monitoring in 9 districts

9. Safeguards set for the ZILMP

Safeguard document	State of approval
Safeguard documents approved for the ER Program	
National REDD+ Strategy	Approved - November 2017
Strategic Environmental and Social Assessment (SESA)	Approved - November 2017
Environment and Social Management Framework (ESMF) for REDD+ initiatives, MozFIP and MozDGM	Approved - January 2017
Process Framework (PF) for National REDD+ initiatives, MozFIP and MozDGM	Approved - January 2017
Other safeguard documents related to associated projects	
Resettlement Policy Framework (RPF) for the Agriculture and Natural Resource Landscape Management (Sustenta) Project	Approved - March 2016
Environment and Social Management Framework (ESMF) for the Agriculture and Natural Resource Landscape Management (Sustenta) Project	Approved - March 2016
Pest Management Plan (PMP) for the Agriculture and Natural Resource Landscape Management (Sustenta) Project	Approved - March 2016
Environment and Social Management Framework (ESMF) for the MozBio project	Approved - July 2014
Pest Management Plan (PMP) for the MozBio project	Approved - July 2014
Process Framework (PF) for the MozBio project	Approved - July 2014

- Safeguards instruments (left)
- **Safeguard Information System (SIS)**
- Dialogue and Redress Mechanism



10. Benefit Sharing Plan (BSP)

Preliminary decisions

At least **70%** of net ER payments to communities

Creation of a **competitive matching grant** fund

Costs to maintain ER Program & BSM **deducted** before sharing of benefits (from 2022)

List of beneficiaries

Entity	Responsibility in ERP
Local communities	Main stakeholders present in the ER Program area; Commitment to sustainable practices to lower deforestation (especially sustainable agriculture practices).
Zambézia MSLF	Consultation with multi-stakeholders for ERP design and implementation.
Gile National Reserve	Implementation of activities to protect the GNR and to lower deforestation in its Buffer Zone.
9 Districts governments	Coordination of the implementation of the ERP at district level; Possible liaison with communities and service providers for ER initiatives.
Zambézia Government	Provincial coordination and supervision of the ERP and link with MITADER at central level; Support to the Zambézia Multi-Stakeholders Landscape Forum
Government of Mozambique	Channeling of carbon benefits (ER payments) to appropriate beneficiaries Management of the REDD+ projects database (ER Projects registry) and of the ER Transaction Registry Overall coordination of the MRV system and safeguards; Forest law enforcement, etc.

70%

Fix costs

12. Alignment with national policies & climate commitment

2015 Creation of the MITADER and of the FNDS

2015 Mozambique's INDC: reduction of 76.5 MtCO₂e between 2020 and 2030, with 23.0 MtCO₂e by 2024 and 53.4 MtCO₂e from 2025 to 2030

2015 Five Years Governmental Plan (PQG): "ensure the integration of the Blue/Green Economy and Green Growth agenda in national development priorities, ensuring conservation of ecosystems, biodiversity and the sustainable use of natural resources"

2015 - 16 National Sustainable Development Program (MITADER): *Terra Segura* (registration of 5 millions parcels + 4,000 community land delimitations) + *Floresta em pé* (protection and conservation of forests)

2016 Forest Sector Review: Forest operators review; Moratorium on attribution of new concessions & licenses; Moratorium on Pau-ferro harvesting; Ban on unprocessed log export

2016 Adoption of National REDD+ Strategy with aim of avoiding 170 MtCO₂e between 2016 & 2030 - ERs generated by the ZILMP represent 6.4% of those objectives

2018 Revision of REDD+ decree currently undergoing with re-affirmed role of UT REDD+

Thank you.

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