# Status and progress in Zimbabwe's AFOLU sector preparations for the Enhanced Transparency Framework under the UNFCCC

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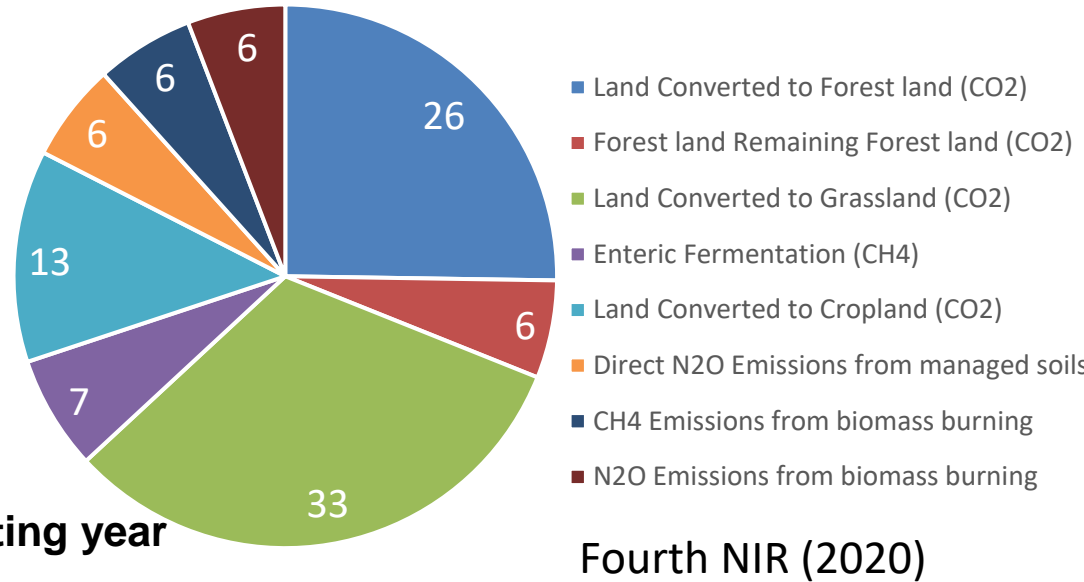*Marondera University of Agricultural Scie & Tech (MUAST).

# Outline of presentation

- Overview of AFOLU sector GHG emissions

- Actions for enhancing institutional arrangements

  - Challenges

- Actions for enhancing data collection

  - Challenges

- Next steps

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# Overview of AFOLU sector GHG emissions



Pie chart legend:
- Land Converted to Forest land ($CO_2$) — 26
- Forest land Remaining Forest land ($CO_2$) — 6
- Land Converted to Grassland ($CO_2$) — 33
- Enteric Fermentation ($CH_4$) — 7
- Land Converted to Cropland ($CO_2$) — 13
- Direct $N_2O$ Emissions from managed soils — 6
- $CH_4$ Emissions from biomass burning — 6
- $N_2O$ Emissions from biomass burning — 6

Fourth NIR (2020)

- **Key category analysis for 2010 reporting year**

  - AFOLU contributes up to 80 % of nation GHG emissions

  - Livestock & rangeland (40%) of AFOLU GHGs

  - Cropland land use (20%) of AFOLU GHGs

# Actions for enhancing institutional arrangements

| Activities | Support partners | Outcome(s) | Timelines |
|---|---|---|---|
| Development of the Long-term Low Emission Development Strategy & key aspects of MRV Framework | Support Towards Implementing Zimbabwe's NDCs (STIZ-NDC) Russian government > UNDP Zimbabwe (also with IPCC) | • Focal points & contact details for activity data providers | 2018- 2020 |
| NDC Revision & Raising Ambition | NDC-Partnership Climate Action Enhancement Package (CAEP) > FAO Zimbabwe | • Consolidated MRV database for AFOLU | 2020- 2021 |
| Development of the NDC Implementation Tracking Tool | Initiative for Climate Action Transparency > UNEP-DTU Partnership & ISPRA | • Consolidated MRV database including AFOLU | 2020-2021 |
| Strengthening the Capacity of Institutions to conform to the Transparency Requirements of the PA | Global Environment Facility (GEF) through Capacity Building Initiative for Transparency (CBIT) | • Consolidated MRV database for AFOLU Develop & register EFs in the EFDB | 2019-2022 |
| Enhancing enabling environment for CC adaptation & reducing vulnerability to CC impacts | Global Climate Fund: the NAP readiness project | • Monitoring, Reporting & Review (MRR) system for climate change adaptation | 2019-2021 |

# Challenges in moving to the ETF: Institutional arrangements

- Low involvement of implementing entities for mitigation projects

- Slow implementation of adopted policies,

- weak understanding of CC issues delaying buy-in and adoption of CC mitigation & adaptation practices

- Absence of an AFOLU sector MRV system for mitigation

# Actions for enhancing data collection

| Activities | Support partners | Outcome(s) | Timelines |
|------------|------------------|------------|-----------|
| QA/QC workshop for the Third National Communication data | UNFCCC and FAO Italy | • Improved quality of Fourth National Inventory report based on QA/QC recommendations | 2020 |
| Development of the LEDS and key aspects of a MRV Framework | STIZ-NDC Russian govt through UNDP Zimbabwe | • Acquired inventory equipment for the national forestry monitoring system | 2019- 2021 |
| Enhancing the AFOLU activity data for completing the Fourth NIR & First BUR | United Nations Environment | • Ground truthing of points for land use mapping using Collect Earth<br>• Fourth NIR, First BUR | 2019-2022 |
| NDC Revision & Raising Ambition | NDC-Partnership CAEP through UNEP/Stockholm Environment Institute (SEI) | • Inclusion of AFOLU-sector baseline, targets, & mitigation measures in revised NDC | 2019 - 2021 |
| Preparatory planning for transition to livestock Tier 2 GHGI quantification | Africa LEDS Partnership through SouthSouthNorth & UNIQUE forestry | • Trained personnel for collection, analysis and reporting of data required for a livestock Tier 2 GHGI | 2020 -2021 |

# Challenges in moving to the ETF: Data collection

- Absence of standardised templates and approaches for collecting livestock population.

- Inadequate financial resources to collect data for

  - land use maps for 2000 & 2010 & land area data for perennial crops

  - forest areas disaggregated by forest types & fire data across land use systems

- Lack of local emission factors for most key AFOLU sub-sectors

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# Next steps

- **Institutional arrangements**

  - Enhancing engagement of public institutions at the right level,

    - Need for strengthening climate change legislation,

  - Consolidation of AFOLU sector MRV system as NDC is revised,

  - Develop plan for enhancing activity data & EFs for higher Tiers,

- **Data collection**

  - Standardisation of data collection templates on-going,

  - Further training & resource mobilisation for transition to Livestock Tier 2 GHGI in next inventory cycle

  - Develop unavailable land use maps to produce a consistent time series

THANK YOU