

Annex 11 Monitoring and Evaluation Plan

Monitoring				
Data/Source	Collection Tool	Frequency	Indicator	Indicative Budget
<i>Impact indicators</i>				
As per CDM Tool 'Estimation of carbon stocks and change in carbon stocks of trees and shrubs in A/R CDM project activities' and VCS Standard guidance on Improved Forest Management (IFM) projects. Information available via Forest Information and Management System (FIMS)	CDM verification	Annual	M4.1 Tonnes of carbon dioxide equivalent (t CO ₂ eq) reduced or avoided (including increased removals) - forest and land use	None. Information to be provided by FIMS and government reporting to UNFCCC. Compilation for reporting to GCF by GIZ EE monitoring advisor
<i>Outcome indicators</i>				
Annual reports from the Voucher Program under Activity 2.2	Government data/records	Annual	M6.2 Number of households and individuals (males and females) with improved access to low-emission energy sources	EUR 3,300 (1% of voucher program admin cost – part of ARDA management fee)
Forest management plans approved by MoEPA Annual use plans approved by MoEPA FIMS Activity Register	Government data/records	Annual	M9.1 Hectares of land or forests under improved and effective management that contributes to CO ₂ emission reductions	None. Data will be supplied by FIMS
<i>Performance indicators</i>				

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<p>FMP and activity records of NFA</p> <p>Annually growth model-based update of the forest resource database (FIMS) (Volume, biomass, carbon)</p> <p>Verification in the field: Annually by DES supervision of implemented activities.</p> <p>In year 7: Systematic field control if SFM measures are successfully applied in all 8 districts, followed by model-based recalculation of indicator</p>	<p><i>Government data/records</i></p> <p><i>Field observation visits</i></p>	<p>Annual and structural at end of year 7</p>	<p>I1.1: Rate of forest degradation: Baseline degradation rate in % of biomass lost, project reduction of degradation in tCO₂/ha/year</p>	<p><i>Annual Information for NFA and DES will be provided by FIMS.</i></p> <p><i>Independent systematic field control: 33,750 EUR/district, total 270,000 EUR.</i></p> <p><i>Compilation for reporting to GCF by GIZ EE monitoring advisor.</i></p>

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<p>NFA monitoring reports, FIMS activity recording and monitoring</p>	<p><i>Government data/records</i></p>	<p>Annual</p>	<p>I1.3: NFA capacitated to implement sustainable forest management activities following the performance-based grant mechanism schedule</p>	<p><i>None. Part of FIMS</i></p>
<p>Annual plans</p> <p>Harvested fuelwood intake records</p> <p>BSY records¹</p> <p>FIMS activity registry and information recorded by FIMS modules for tracking and</p>	<p><i>Government data/records</i></p>	<p>Annual</p>	<p>I2.1: Cubic meters (m³) of fuelwood sustainably harvested by NFA in the 8 districts applying eco-system-based forest management practices in year 7 of project implementation</p>	<p><i>Records will be provided by NFA and FIMS. GIZ EE monitoring advisor will compile information for reporting to GCF.</i></p>

¹ Registration of harvested timber, sale receipts.

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recording timber harvests				
Independent residential energy use survey in the target regions	<i>Survey/questionnaire</i>	Mid-term and project end	I2.2: Residential fuelwood consumption reduced by at least 50% in 3 target regions	<i>Each survey: 70,000 EUR, total 140,000 EUR for both surveys</i>
Annual reports from the Voucher Programme under Activity 2.2 and independent energy use surveys of result	<i>Government data/records</i> <i>Survey / Questionnaire</i>	Annual, mid-term and project end	I3.1: Market volume of sold stoves and AF	<i>EUR 3,300 (1% of voucher program admin cost – part of ARDA management fee), plus costs for survey, see I2.2</i>
ARDA portfolio analysis	<i>Government data/records</i>	Annual	I3.2: Volume of investment (EUR) in EE-AF production sector, disaggregated by sources and instruments (loans, equity, grants)	<i>Collection by ARDA staff: EUR 780 (1% of ARDA admin cost)</i>
EE stoves: Voucher Program Monitoring Independent energy use survey of result 2	<i>Government data/records</i>	Annual, mid-term and at project end	I3.3: Investments leveraged (EUR) in EE stoves, disaggregated by source	<i>EUR 3,300 (1% of voucher program admin cost – part of ARDA management fee), plus costs for survey, see I2.2</i>
Analysis of secondary regulations Analysis of FMP approval record of MoEPA Analysis of DES forest supervision cases on compliance with forest management principles by forest management bodies Analysis of education and training curricula	<i>Document review</i>	Mid-term and at project end	I4.1: Provisions of Forest Code mainstreamed into secondary regulations and applied in practice	<i>Independent Consultant: 20,000 EUR for analysis</i>

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<p>Government annual report on the status of approximation and implementation of the EU Ecodesign Directive (as per Georgia's obligation under Energy Community Treaty)</p> <p>Independent energy use survey at mid-term and by project end (see result 2)</p> <p>Annual report of the Public Procurement Agency</p>	<p><i>Government data/records</i></p> <p><i>Survey/questionnaire</i></p>	Mid-term and at project end	<p>I4.2: Functioning enabling regulative framework to ensure sustainability of EE-AF market developments via obligatory technology standards and favorable public procurement regulations</p>	<p><i>Energy-use survey, see I2.2</i></p> <p><i>Government statistical analysis by GIZ monitoring expert</i></p>
tbd	tbd	tbd	<p><i>Indicator on Result Area 5 (Livelihood opportunities & local self-governance) to be defined</i></p>	tbd

Evaluation			
Type	Timing	Independent/Self-evaluation	Indicative Budget
Outcome	Mid-term and final	Independent	EUR 80,000 in AE budget
Impact: Gender impact assessment of viability of financing schemes for stoves to ensure that loans and micro credits are accessible for women, especially women-led households and single parents	Year 1	Self-Assessment	EUR 10,000 (part of contract with national implementing partner for awareness raising at local level)