

## ANNEX 2: LOGFRAME

### **NAMA Support Project (title)**

Sustainable and Low Carbon Bovine Livestock Development

**Country: Guatemala**

**Logframe created on: December 14, 2017**

Summary	Indicators	Sources of Verification	Assumptions / Risks
<p><b>Impact</b></p> <p><i>Reduced carbon footprint of national milk and meat production</i></p>	<p>Indicator: <i>Reduced milk carbon footprint</i></p> <p>Baseline value: 5.8 kgCO<sub>2</sub>e/liter milk</p> <p>Target value: 3.9 kgCO<sub>2</sub>e/liter milk (in year 5-end NAMA Support Project)</p> <p>2.2 kgCO<sub>2</sub>e/kg milk (year 15 after start NSP)</p> <p>Indicator: <i>Reduced beef carbon footprint</i></p> <p>Baseline value: 16.5 kgCO<sub>2</sub>e/kg beef</p> <p>Target value: 11.2 kgCO<sub>2</sub>e/kg beef (in year 5-end NSP)</p> <p>7.9 kgCO<sub>2</sub>e/kg beef (year 15 after start NSP)</p>	<p>NAMA Support Project (NSP) evaluation reports</p> <p>NSP Impact survey</p>	<p><i>Not to be filled in!</i></p>
<p><b>Outcome 1</b></p> <p><i>A model for sustainable and low carbon bovine livestock production developed and implemented in the selected priority area, that can be</i></p>	<p>Indicator: <i>M3: Degree to which the supported activities are likely to catalyse impact beyond the NAMA Support Project</i></p> <p>Baseline value: -</p>	<p>NAMA Support Project reports</p> <p>Ministerial (MAGA) planning documents</p> <p>National budget (MINFIN)</p>	<p><i>Future government administrations maintain interest in implementing the full (15 years) National Low-carbon and Sustainable Livestock</i></p>

<p><i>upscaled and implemented in 10 years in other regions in the country</i></p>	<p>Target value: <i>Planning to implement Phase 2 of the National Low-carbon and Sustainable Livestock Development Strategy (up-scaling of the NSP) has finalized and will be carried out with national and/or international funding</i></p>		<p><i>Development Strategy (NLCLSS)- Risk level: medium</i></p>
<p><b>Outcome 2</b> <i>Low carbon development model adopted by producers reduces GHG emissions and increases CO2 removals in bovine livestock production, while increasing production efficiency and competitiveness</i></p>	<p>Indicator (M1): <i>Reduced GHG emissions</i> Baseline value: <i>0 (2018)</i> Target value: <i>116,742 tCO2e (2022) 276,909 tCO2e (2024) 1,262,362 tCO2e (2033-year 15 after start NSP)</i></p> <p>Indicator: <i>Increased GHG removals</i> Baseline value: <i>0 (2018)</i> Target value: <i>4,838 tCO2 (2022) 13,961 tCO2 (2024) 112,422 tCO2 (2033-year 15 after NSP start)</i></p> <p>Indicator (M2): <i>Number of people directly benefiting from the NAMA Support Project</i> Baseline value: <i>0 (2018)</i> Target value: <i>1,500 producers (2023-year 5 end of NSP); 450 women and 1,050 men)</i></p>	<p><i>NSP evaluation reports NSP progress reports Technical studies</i></p>	

<b>Output</b>			
<i>Output 1.1 Adoption of low carbon technologies and practices through technical assistance and training</i>	<p>Indicator: <i>Number of bovine livestock producing farms that report full adoption of new technologies and practices that remove carbon or reduce GHG emissions</i></p> <p>Baseline: 0</p> <p>Target: 300 (20% headed by women)</p>	<p>NSP evaluation reports</p> <p>NSP progress reports</p> <p>Technical studies</p>	<p><i>Smooth coordination between public and private sector implementing partners- Risk level: low</i></p> <p><i>Adequate amount of national funds available for the incentive programme- Risk level: medium</i></p> <p><i>Financial institutions interested in developing financial products for the sector- Risk level: low</i></p>
<i>Output 1.2 Increased productivity and rentability of bovine livestock production</i>	<p>Indicator: <i>Increased productivity of milk production</i></p> <p>Baseline: 159 liter/ha/year (2018)</p> <p>Target: 234 liter/ha/year (2023; year 5-end NSP)</p> <p>Indicator: <i>Increased productivity of beef production</i></p> <p>Baseline: 97 kg/ha/year (2018)</p> <p>Target: 184 kg/ha/year (2023; year 5-end NSP)</p>	<p>NSP evaluation reports</p> <p>NSP progress reports</p> <p>Technical studies</p> <p>Reports from milk and beef industry</p>	
<i>Output 1.3 Access to financial mechanisms (credit or incentives) created</i>	<p>Indicator: <i>M4: Volume of public (incentives) finance (domestic and/or international) mobilised for sustainable and low carbon bovine development</i></p> <p>Baseline: -</p> <p>Target: 1,200,000.00 Euro</p> <p>Indicator: <i>M5: Volume of private (credit) finance (domestic and/or international) mobilised for sustainable and low carbon bovine development</i></p>	<p>NSP evaluation reports</p> <p>NSP progress reports</p> <p>Technical studies</p> <p>Reports Forestry Institute on uptake Incentive programme</p> <p>Reports participating private banks on credit uptake</p> <p>Reports participating producers' cooperatives on credit uptake</p>	

	<p>Baseline: -</p> <p>Target: 7,500,000.00 Euro</p>		
<p><i>Output 1.4 National capacity created in public and private sectors to provide continued technical assistance</i></p>	<p>Indicator: <i>Degree to which the national capacities have been strengthened to provide continued technical assistance to supported activities</i></p> <p>Baseline: -</p> <p>Target: <i>200 technical staff public and private institutions trained (2023-year 5 end of NSP); 40 women and 160 men)</i></p> <p>Indicator: <i>Institutional arrangements public and private sectors in support of implementation Bovine Livestock NAMA consolidated</i></p> <p>Baseline: -</p> <p>Target: <i>At least three meetings/year by Technical Committee and High-level Bovine Livestock Working Group (Mesa Ganadera) providing follow-up to the implementation of the Bovine Livestock NAMA</i></p>	<p><i>NSP evaluation reports</i></p> <p><i>NSP progress reports</i></p> <p><i>MAGA and private sector annual reports</i></p>	
<p><b>Main activities</b></p>	<p><i>Not to be filled in!</i></p>		<p><i>Extension programme and increased awareness of producers of economic and co-benefits translate in producers willing to take up credit and incentives to finance new</i></p>
<p><i>Activity 1 Development of extension methods, including farmer to farmer training, and related training materials and materials on cost/benefit to facilitate investment decision making</i></p>			

<p><i>Activity 2 Establishment of model and "farm schools"</i></p>		<p><i>practices and technologies- Risk level: medium</i></p>
<p><i>Activity 3 Development and promotion of financial mechanisms (credit and incentives)</i></p>		<p><i>Stability and limited turn-over amongst technical staff in public and private institutions- Risk level: low-medium</i></p>
<p><i>Activity 4 Promote linkages between producers and the milk and beef industry and strengthening of the value chains and low carbon seals and certification programmes</i></p>		
<p><i>Activity 5 Strengthening of Producers' Organizations, including the promotion of youth and female producers in membership</i></p>		
<p><i>Activity 6 Training of technical staff from public and private sectors to provide continued technical assistance</i></p>		
<p><i>Activity 7 Knowledge management: development of case studies and lessons learned and sharing these with key actors at national level and regional level</i></p>		