

# lavola



# viresco Solutions

End-to-end sustainability

---

## Assessment of Applicable Climate Technologies for Establishing Baseline GHG Emissions from Cattle Farming in Cuba - Impact Description

UNIDO Contract Number: 3000073279

Date: October 3, 2019

---

---



<p><b>Challenge:</b> Approx. 500 characters with spaces</p>	<p>Cuban livestock farming is characterized by low productivity due to a variety of causes including, but not limited to: poor management of grasslands, poor herd management, inappropriate water use and lack of knowledge of sustainable farming practices. These inefficiencies lead to increased greenhouse gas emissions and economic loss. At present, Cuba has not quantified its national livestock GHG emissions, nor the potential for emission reductions and productivity improvements from implementing best practices.</p>
<p><b>CTCN Assistance:</b> 2 to 4 bullet points. Approximately 450 characters with spaces</p>	<ul style="list-style-type: none"> <li>• Estimation of baseline cattle farming emissions</li> <li>• Quantification of GHG reduction potential of implementing best practices and identification of potential co-benefits</li> <li>• Dissemination and training of local stakeholders on project learnings and methods</li> <li>• Creation of a Green Climate Fund concept note</li> </ul>
<p><b>Anticipated impact:</b> 2 to 4 bullet points to summarise anticipated impact. Approximately 250 characters with spaces. As a minimum, please include one of the following: i) Quantity of greenhouse gas emissions reduced, avoided or sequestered; or ii) Number of people with increased capacity to adapt to the impacts of climate variability and change.</p>	<ul style="list-style-type: none"> <li>• Increased local capacity to quantify livestock GHG emissions</li> <li>• Improved understanding of adaptation and productivity co-benefits of adopting climate smart livestock management practices</li> <li>• A pathway identified for reducing livestock GHG emissions in 10% of Cuba’s livestock herd within 5 years, 20% of Cuba’s livestock herd within 10 years and 30% of Cuba’s livestock herd within 15 years.</li> <li>• An estimate of the quantity of greenhouse gas emissions that will be avoided through the implementation of the recommendations of the technical assistance</li> </ul>
<p><b>Linkages and contribution to NDC:</b> 2 to 4 bullet points. Approximately 350 characters with spaces</p>	<p>This assistance supports Cuba’s Nationally Determined Contribution by:</p> <ul style="list-style-type: none"> <li>• More accurately estimating Cuba’s livestock GHG emissions (Tier 1 to Tier 2)</li> <li>• Enabling livestock GHG emission reduction practices and technologies to be included in Cuba’s Nationally Appropriate Mitigation Actions (NAMAs)</li> <li>• Providing insight into livestock climate change adaptation considerations and best practices from global livestock production systems</li> </ul>

<p><b>The narrative story:</b> Approximately 1200 characters with spaces</p>	<p>Cuba has not quantified its national livestock GHG emissions or the potential for its livestock sector to achieve emission reductions. In Cuba, livestock farming covers over two million hectares of land, of which approximately 16 – 20 percent is cultivated pasture, 38 percent is partially or completely covered by invasive plants and the remainder is natural pasture with low productivity (Preparation of GHG Emissions Baseline for the Beef Cattle Sector, 2018).</p> <p>It is within this context that the Government of Cuba approached CTCN for technical assistance in quantifying its baseline GHG emissions from cattle farming and the potential reductions that could be achieved from the implementation of range of best practices. Given current management practices, it is anticipated that there are significant opportunities for improving Cuban livestock productivity, while decreasing emissions intensity.</p> <p>This technical assistance will aid Cuba in estimating its baseline cattle farming emissions as well as the emission reductions that can be achieved from implementing a range of best practices. It will also identify adaptation co-benefits of climate smart livestock management practices, build capacity of local stakeholders to quantify livestock emissions and build a concept note for submission to the Green Climate Fund for financing to implement the recommendations of the project.</p>
<p><b>Contribution to SDGs:</b> Always include contribution to SDG 13, and to the extent possible, please include contribution to 2 other SDGs, describing the contribution with a few sentence for each SDGs concerned. A complete list of SDGs and their targets is available here: <a href="https://sustainabledevelopment.un.org/partnership/register/">https://sustainabledevelopment.un.org/partnership/register/</a></p>	<ul style="list-style-type: none"> <li>• SDG 13 – this technical assistance will enable Cuba to select and hopefully implement livestock management practices that reduce GHG emissions.</li> <li>• SDG 12 – this technical assistance will support Cuba in strengthening their scientific and technological capacity to move towards more sustainable patterns of production.</li> <li>• SDG 2 – this technical assistance will support Cuba in implementing resilient agricultural practices that increase productivity and productions while helping maintain ecosystems that strengthen capacity for adaptation to climate change, including improving land and soil quality.</li> </ul>



## Contacts

**Karen Haugen-Kozyra**

---

*President*

+ 1 (780) 270-0525

karen@virescosolutions.com

---

**Candace Vinke**

---

*Sustainable Development Director*

+ 1 (780) 270-0525

candace@virescosolutions.com

---