Strengthening the national greenhouse gas inventory of the Republic of Mauritius to improve climate reporting and transparency

**Objective**

To assist the Republic of Mauritius in strengthening its national greenhouse gas inventory and associated data collection process, and to mainstream greater use of the inventory in policy formulation and NDC tracking.

**Status**

Concept approved

**Concept Approval**

4 October 2019

**Project Document Approval**

Pending

**Implementing Agencies**

United Nations Development Programme

**Executing Agencies**

Ministry of Social Security, National Solidarity, and Environment and Sustainable Development (MoSSNSES)

**Project Details**

See in GEF website

**Project Outcomes**

1.1 Key Category sectors benefit from locally-calibrated emission factors and/or activity data, enabling the inventory to advance to Tier 2 or Tier 3 GHG estimation approaches

2.1 Reduced burden (time, cost) on institutions supplying data to the national greenhouse gas inventory

3.1 Enhanced policy-relevance of the national greenhouse gas inventory, transitioning from a periodic UNFCCC obligation to a useful policy tool

**Stakeholders**

**Public Sector:**

Ministry of Social Security, National Solidarity, and Environment and Sustainable Development (MoSSNSES)

National Transport Authority (NTA)

Central Electricity Board (CEB)

Mauritius Renewable Energy Agency (MARENA)

Mauritius Cane Industry Authority (MCIA)

Forestry Service (FS)

Food and Agricultural Research and Extension Institute (FAREI)

Statistics Mauritius

Ministry of Gender Equality, Child Development and Family Welfare (MGECDFW)

**Private Sector:**

Independent Power Producers (IPPs)

Business Mauritius

**Civil Society Organisations:**

University of Mauritius (UoM)

**Knowledge Management Approaches**

The project will systematise knowledge gathering and subsequent storage and dissemination – notably through an improved online Climate Change Information Centre (CCIC) serving as both an inward-facing data repository and an outward-facing transparency portal.
PROGRESS

>to be provided by the country focal point<

STATUS OF PROJECT OUTPUTS AND ACTIVITIES

1.1 Development of Tier 2 emission factors for key fuels: coal, heavy fuel oil, gasoline, diesel, kerosene and liquified petroleum gas – for application in Energy Industries, Transport, Manufacturing Industry and Construction, and Energy Other Sectors

1.2 Development of Tier 3 emission factors for Mauritius’s 8 thermal power plants and a real-time grid emission factor – for application in Energy Industries and (increasingly) Transport

1.3 Development of Tier 2 activity data for Mauritius’s land transport sector (road, Metro), augmented by gender and socio-economic usage data

1.4 Development of Tier 2 enteric fermentation emission factors and model for livestock

1.5 Development of Tier 2 allometric equations, root-to-shoot ratios and carbon densities for 4 key tree species in the Mauritian context

1.6 Ground-truthed forest inventory of privately-held forestland and non-forest tree cover (e.g. along river banks and roadsides)

1.1 Key Category sectors benefit from locally-calibrated emission factors and/or activity data, enabling the inventory to advance to Tier 2 or Tier 3 GHG estimation approaches

2.1 Reduced burden (time, cost) on institutions supplying data to the national greenhouse gas inventory

2.1 Implemented government roadmap for a permanent MRV structure, including firm government financing and institutional commitments

2.2 Development of an IT-based system to simplify and streamline the inventory data collection process

2.1.1 Reduced burden (time, cost) on institutions supplying data to the national greenhouse gas inventory

3.1 Enhanced policy-relevance of the national greenhouse gas inventory, transitioning from a periodic UNFCCC obligation to a useful policy tool

3.1 Targeted training on the use of the new IT-based system and on the use of the inventory for policy formulation, target-setting, scenario analysis and MRV of NDC commitments

3.2 Enhancing the role of the Climate Change Information Centre (CCIC) as a
transparency portal
No documents uploaded yet
No events created yet
No self-assessment results yet
### Population

- **2018:** 1,268.00 thousands

### GDP per capita

- **2019:** 9,679.00 current US$

### Energy production

- **2015:** 12.00 petaJoules

### Total GHG emissions per sector

<table>
<thead>
<tr>
<th>Sector</th>
<th>Year 2013</th>
<th>UNIT</th>
<th>GG CO2 Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>4,250.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry</td>
<td>755.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture</td>
<td>49.74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land Use Change and Forestry</td>
<td>-407.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste</td>
<td>1,535.59</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Transparency information

- Submitted National Communications:
  - 2002
  - 2011
  - 2017
- Submitted GHG Inventories:
  - 2011
  - 2018

### National Climate Policy

- Submitted Nationally Determined Contributions:
  - **Date:** 2016-04-22
  - **NDC Target Type:** Relative emission reduction compared to BAU
  - **NDC Target:** -30%
  - **NDC Target Year:** 2030

- Long-term Strategies: Pending
- National Adaptation Plans: Pending
OTHER TRANSPARENCY INITIATIVES IN THE COUNTRY

No other transparency initiatives created yet