

Application of Global Set of Climate Change Statistics and Indicators in the Republic of Mauritius (RoM)

Environment Statistics and Climate Change unit of Statistics Mauritius

Agenda

- Part 1-Institutional Dimension
 - Polices/Projects
- Part 2-Global Set
 - Strategic Approach
 - Stakeholders
 - Analysis
- Challenges

Institutional Dimension

NSO

- Statistics Mauritius(SM)- *official statistics relating to all aspects of the economic, demographic and social activities, except health, fisheries and banking and balance of payment*



Environment
Statistics and
Climate Change Unit

- Compilation and dissemination of environment statistics and indicators according to the FDES 2013 + provide activity data for GHG emissions, compile and publish annual GHG emissions based on recent National Communications



Ministry of
Environment, Solid
Waste Management
and Climate Change

- Devise appropriate legal and policy framework regarding environment related issues such as climate change, solid and hazardous waste, disaster risk reduction and beach management

Institutional Dimension

- SM adopts the ***Code of Practice for Official Statistics*** which is based on the values of the United Nations Fundamental Principles of Official Statistics and the African Charter on Statistics.
- The Statistics Act 2000 amended in 2017 makes provision for the generation of official statistics on Environment and ***Climate Change***.
- Some of climate change statistics and indicators are already being published by the Environment Statistics and Climate Change unit of SM since they are cross-cutting across the 6 components of the FDES 2013.
- The Environment Statistics and Climate Change unit of SM is based at, assists, and works in close collaboration with, the Ministry of Environment, Solid Waste Management and Climate Change by providing support to National and International projects and policies.

Institutional Dimension-Policies/Projects

Policies/Projects

- A Climate Change Act was adopted in November 2020 to establish a legal framework towards making Mauritius a climate change resilient and low emission country.
- The Ministry of Environment, Solid Waste Management and Climate Change of RoM is currently undertaking two national projects:
 1. The Nationally Appropriate Mitigations Actions (NAMA) for a Low Carbon Island Development Strategy which will include *indicators* that track progress and highlights trajectories or pathway scenarios.
 2. The Capacity Building Initiative for Transparency (CBIT) project is a GEF funded project which aims at strengthening the National GHG inventory.
- The Environment Statistics and Climate Change unit compiles activity data for national GHG inventory and publish annual GHG emissions based on recent National Communications carried out by the Ministry of Environment Solid Waste Management and Climate Change.

Institutional Dimension-Summary

- Climate change statistics and indicators are not published in a separate Economic Social Indicator or Digest. They are integrated throughout the publications of the Environment Statistics and Climate Change unit of SM.

https://statsmauritius.govmu.org/Pages/Statistics/By_Subject/Environment/SB_Environment.aspx

- Many indicators (***mitigation and adaptation***) related to Climate Change will be developed through national and international projects such as NAMAs, CBIT, or the tracking of our NDCs which will correspond to some extent to the Global Set of Climate Change Statistics and Indicators as prepared by the United Nations Statistics Division.

Global Set

- Applied a strategic approach to the Self-Assessment questions.
- Filtered out indicators and statistics which were not relevant to RoM, for e.g, snow cover, glaciers extent.
- Carried out a thorough online search on all stakeholders' official websites (governmental, parastatal bodies) to extract relevant national policies and legislations with respect to each indicator and statistics.
- Contacted the statistical units of other Ministries such as the Ministry of Agro Industry and Food Security for assistance by either phone or emails.
- Liaised with the Climate Change Unit of the Ministry of Environment , Solid Waste Management and Climate Change for more information with the ongoing policies related to mitigation and adaptation.
- SM has no steering committee on environment or climate change statistics. However collaboration for data sharing is established among stakeholders.

List of stakeholders of the Global Set as per the schematic framework developed by IPCC

DRIVERS	IMPACTS	VULNERABILITY	MITIGATION/ ADAPTATION
1.Ministry of Environment, Solid Waste Management and Climate change	1.Ministry of Agro Industry and Food Security	1.Ministry of Health and Wellness	1.Ministry of Energy and Public Utilities
2.Ministry of Energy and Public Utilities	2.Food and Agricultural Research and Extension Institute	2.Ministry of Agro Industry and Food Security	2.Ministry of Environment, Solid Waste Management and Climate change
3.Ministry of Finance, Economic Planning and Development	3.Forestry Services	3.Food and Agricultural Research and Extension Institute	3.Ministry of Finance, Economic Planning and Development
4.State Trading Corporation	4.Ministry of Energy and Public Utilities	4.National Park Conservation Services	4.Forestry Services
5.Prime Minister's Office	5.Ministry of Environment, Solid Waste Management and Climate change	5.National Disaster Risk Reduction Management Centre	5.National Disaster Risk Reduction Management Centre
6.National Land Transport Authority,	6.Prime Minister's Office	6.State Trading Corporation	6.Stock Exchange of Mauritius
7.Prime Minister's Office	7.Ministry of Blue Economy, Marine Resources, Fisheries and Shipping	7.Central Electricity board	7.National Park Conservation Services
8.Forestry Services	8.National Disaster Risk Reduction Management Centre	8.Wastewater Management Authority	8.Fisheries Division of Ministry of Blue Economy, Marine Resources, Fisheries and Shipping
9.Ministry of Agro Industry and Food Security	9.Ministry of Health and Wellness	9.Central Water Authority	9.Forestry Services
10.Food and Agricultural Research and Extension Institute	10.Mauritius Sugarcane Industry Research Institute	10.Ministry of Social Integration, Social Security, and National Solidarity	10.Mauritius Meteorological Services
11.Ministry of Housing and Land Use Planning	11.National Park Conservation Services	11.Ministry of Energy and Public Utilities	11.National Environmental Laboratory
	12.Ministry of tourism		12.Water Resources Unit
	13.Ministry of Housing and Land Use Planning		13.Prime Minister's Office
			14.Wastewater Management Authority

Global Set

- Attempted the questions on “Data Availability” prior to “Methodological Soundness”.
- In case national statistics/indicators were available for the proposed global statistics/indicators, the current national applied methodologies were compared with the internationally recommended global metadata document.
- **NOTE:** There is no proper documentation of methodology for some statistics/indicators. No reference links were available on the official websites of the corresponding stakeholders.

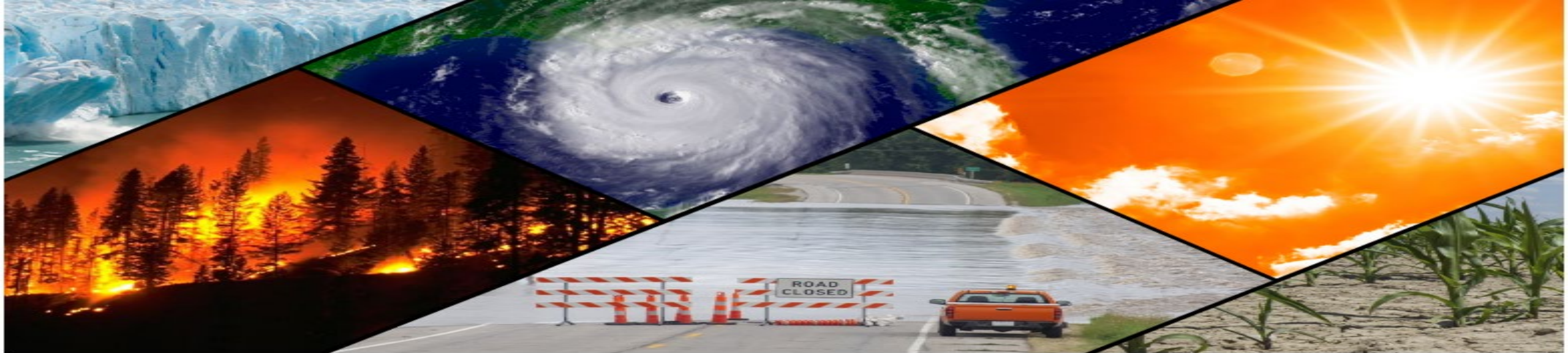
Findings

- Around 72% of the proposed statistics/indicators of the Global Set were found to be relevant to RoM.
- Out of the 72% of relevant statistics/indicators, 71% of data was available.

Data Availability	Methodological Soundness		
	Yes	No	Partial
71%	24%	2%	74%

Global Set- Challenges

- Several call-backs and follow-ups from stakeholders.
- Tackle high rate of non-response.
- Harmonization of data from different national sources.
- Cross-checking of relevance and methodological soundness for each indicator and statistics.



THANK YOU FOR YOUR ATTENTION