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# **Good Practices in Environment Statistics - the example of Mauritius**

*by*

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# Good Practices in Environment Statistics - the example of Mauritius

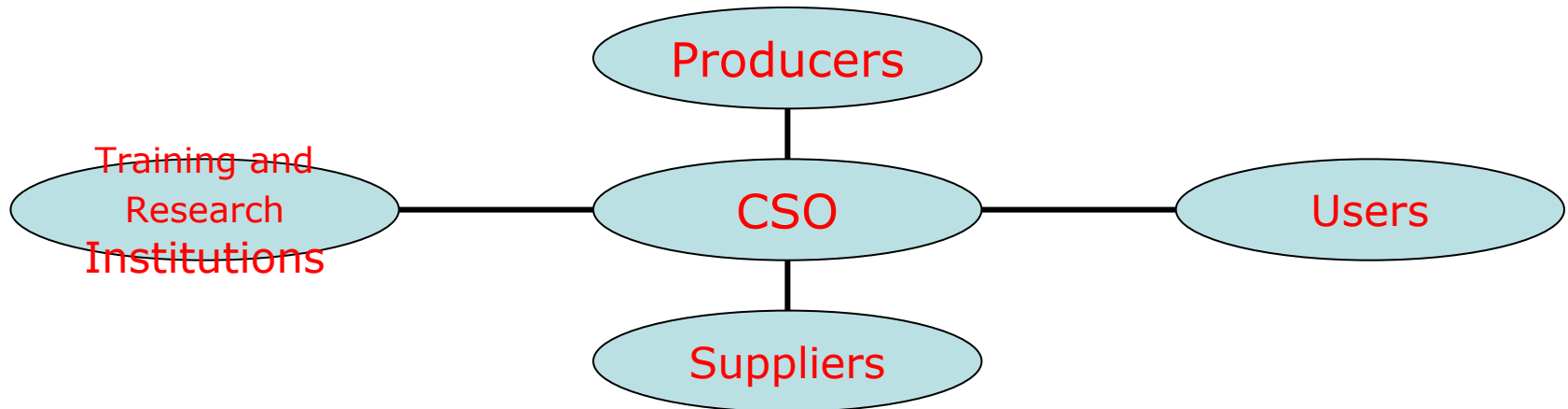
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- ❑ **Mauritius... at a glance**
- ❑ Main island – Mauritius (1865 km<sup>2</sup>), 20.17°N & 57.33°E
- ❑ Group of smaller islands: Rodrigues, Cargados Carajos, Agaléga, Tromelin & Chagos Archipelago
- ❑ Total Land Area = 2040 km<sup>2</sup>
- ❑ Marine E.E.Z. = 1.9 million km<sup>2</sup>
- ❑ Climate - mild maritime, Rainfall – average 2100 mm annually, Tropical depressions & cyclones
- ❑ Pluralistic population
- ❑ Economic background: Services, Agriculture, Manufacturing, Tourism, financial services, ICT
- ❑ GDP/capita ~ US \$7000

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## □ The National Statistical System (NSS)



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- ❑ User Needs
- ❑ User survey on the use of environment statistics results showed that users are:
  - 85% of from Central Government;
  - 4% each from banks and media and
  - 7% from parastatal bodies.
- ❑ The main reasons for using the publication were:
  - Policy making (30%),
  - Press (11%)
  - Other purposes (26%).
- ❑ More than three quarters of the respondents stated that they were aware of the Internet edition.
- ❑ Around half of the respondents also accessed information on Environment through the CSO website.

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- Environment statistics Unit also actively participates in national, regional and international projects and initiatives such as on:
  - climate change,
  - coastal zones,
  - biodiversity,
  - sustainable development and
  - land based activities, among others

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- ❑ **The Frameworks/Models/Information Systems adopted**
- ❑ Framework for the Development of Environment Statistics (FDES)
- ❑ Driving Force-Pressure-State-Impact-Response (DPSIR)
- ❑ Pressure-State-Response (PSR)
- ❑ Causal Chain Analysis and Root Cause Analysis
- ❑ National Greenhouse Gas Inventory
- ❑ Environment Information System (EIS)
- ❑ Geographical Information System (GIS)

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DPSIR ↓	Information categories			
	Social and economic activities, natural events	Environmental impacts of activities/ events	Responses to environmental impacts	Stocks, inventories and background conditions
1. Driving Force/Pressure	✓			
2. State				✓
3. Impact		✓		
4. Response			✓	

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- Data gathered from:
  - Different Statistics Units
  - Ministries/Departments/Research institutions
  - From Sectoral Reports
  - Questionnaires & Surveys
- Topics and Data covered:
  - Flora
  - Fauna
  - Atmosphere: Meteorological phenomena
  - Land: Waste Management
  - Water
  - Human settlements: Coastal zones



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- **Dissemination – Annual with a lag of one year:**
  - **Economic and Social Indicator on “Environment Statistics”**
  - **“Digest of Environment Statistics”.**
- **Both are available as printed copies as well as on line versions to be found at**  
<http://www.gov.mu/portal/goc/cso/ei843/toc.htm> and  
<http://www.gov.mu/portal/goc/cso/report/natacc/environ08/toc.htm>.

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## □ **Good Practices for Environment Statistics**

- **Good Practice 1:** *CSO to collaborate with line ministry by hosting a statistics unit within their locals and providing all logistic supports.*
- **Good Practice 2:** *Define needs for Environment Statistics*
- **Good Practice 3:** *Identify users of Environment Statistics (User Surveys)*
- **Good Practice 4:** *Adopt/Develop frameworks/Models for Environment statistics*
- **Good Practice 5:** *Facilitate data producers/suppliers in creating databases and adopting frameworks/models*
- **Good Practice 6:** *Participate actively in national, regional and international projects where available data are used and additional data are produced and experiences are shared*
- **Good Practice 7:** *Set up appropriate data sharing mechanisms (e.g MOUs)*
- **Good Practice 8:** *Make appropriate use of technologies (GIS, Web, etc)*
- **Good Practice 9:** *Ensure good data quality*
- **Good Practice 10:** *Ensure quality and timely data dissemination*

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## □ Related Links

- Paper on Good Practices
- EIS: [Metadata - Data Custodians.doc](#)
- CHM: <http://gridnairobi.unep.org/CHMPortal/>
- NODC: <http://www.nodc-mauritius.org/>
- CSO:  
[http://www.gov.mu/portal/site/cso/menuitem.dee225f644ffe2aa338852f8a0208a0c/?content\\_id=1c400fa67278c010VgnVCM1000000a04a8c0RCRD](http://www.gov.mu/portal/site/cso/menuitem.dee225f644ffe2aa338852f8a0208a0c/?content_id=1c400fa67278c010VgnVCM1000000a04a8c0RCRD)
- Environment: <http://www.gov.mu/portal/site/menvsite>

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*Thank You  
for your  
kind attention*