



TYPES OF DATA SOURCES USED IN SURINAME: STRENGTHS AND WEAKNESSES

Name: Anjali De Abreu-Kisoensingh
Institute: General Bureau of Statistics (GBS)
Date: 13 July 2021



CONTENT

1. International & Regional guidelines
2. Tables /Graphs/Figures (2002-2020)
3. Data sources used for the ES publication
- 4a. Strengths Data sources
- 4b. Weaknesses Data sources
- 5a. Relation CC global set with Suriname ES pub
- 5b. Data availability status – Revised Climate Change Indicators
6. Way Forward

I. INTERNATIONAL & REGIONAL GUIDELINES USED

UNSD

The Framework for the Development of on Environment Statistics (FDES) (6 components, 21 subcomponents & 458 indicators).
Suriname has circa 52% data available

UNSD

The draft Global Framework on Climate Change Statistics and indicators (134 indicators).
Suriname has circa 39% data available.

UNITED NATIONS

The Sustainable Development Goals (SDGs) (17 Goals & 230+ ind.).
Suriname has circa 37% data available from the 84 Environment Related SDGs (2,3,6,7,8,9, 6,7,11,12,13,14 &15).

CARICOM

The CARICOM Core List of Environment Indicators. (12 sectors and 61 Indicators).
Suriname has 69% data available



2.TABLES /GRAPHS/FIGURES (2002-2020)

Relevant Indicators of the Environment Statistics Publications																			
Chapter	Topic	Tables									Graphs & Figures								
		1 ^e	2 ^e	3 ^e	4 ^e	5 ^e	6 ^e	7 ^e	8 ^e	9 ^e	1 ^e	2 ^e	3 ^e	4 ^e	5 ^e	6 ^e	7 ^e	8 ^e	9 ^e
		1995-2000	1999-2003	2000-2006	2004-2009	2008-2010	2009-2013	2011-2015	2013-2017	2015-2019	1995-2000	1999-2003	2000-2006	2004-2009	2008-2010	2009-2013	2011-2015	2013-2017	2015-2019
1	Demographic & Socio-economic Background	4	4	6	5	5	17	13	13	28	.	.	2	1	2	6	4	7	10
2	Climate & Natural Disasters	7	4	5	5	5	8	12	14	26	.	1	1	2	2	2	2	3	11
3	Tourism	6	9	5	4	5	9	7	7	19	.	3	4	4	4	4	4	4	4
4	Transport	3	4	5	9	7	8	10	11	19	.	.	1	3	1	4	4	5	8
5	Environment & Health	9	9	4	8	8	11	7	8	21	.	1	0	.	.	7	3	4	8
6	Water	4	6	10	8	4	18	18	20	37	.	1	1	1	1	8	3	3	7
7	Energy & Minerals	8	6	10	14	19	20	26	27	41	.	.	.	.	.	.	.	.	.
8	Forestry	6	4	7	8	7	13	13	17	21	.	3	4	5	5	8	8	14	14
9	Coastal & Marine Resources	3	5	5	5	4	8	9	8	11	.	1	1	1	3	1	3	13	
10	Land use & Agriculture	4	6	4	5	5	12	10	11	18	.	.	1	1	1	2	1	2	2
11	Biodiversity	5	5	6	4	3	26	33	29	35	.	.	1	1	1	4	4	6	8
12	Air	6	3	.	.	.	15	4	5	6	.	.	0	.	.	2	3	6	13
13	Waste	.	.	.	.	.	7	5	7	13	.	.	0	.	.	6	3	2	3
	Total	65	65	67	75	72	172	167	177	295	.	10	16	19	18	58	43	63	106

3.DATA SOURCES

Chapter 1:Demographic & Socio-economic Background	GBS: Census, household surveys (MICS & HBS), GDP, CPI, Demographic est.
Chapter 2: Climate & Natural Disaster	Meteorology service, NCCR, Fire Department
Chapter 3:Tourism	GBS: Traffic & Transport (Military Policy), STINASU
Chapter 4:Transport	GBS: Traffic & Transport & Trade Statistics (CBvS), MAS, CASAS
Chapter 5: Environment & Health	NIMOS, MICS, BOG
Chapter 6:Water	SWM, DWV & GBS: Trade Statistics
Chapter 7: Energy & Minerals	EBS, State Oil, BIS, GMD, Grassalco, GBS (Household surveys) & MICS, CBvS, Rosebel Goldmines & Newmont Suriname (gold companies)
Chapter 8:Forestry	SBB & ROGB
Chapter 9:Coastal & Marine Resources	Min of Agriculture, animal husbandry & Fisheries- Fisheries service
Chapter 10:Land Use & Agriculture	Min of Agriculture, animal husbandry & Fisheries, GBS (Trade statistics)
Chapter 11:Biodiversity	NZCS, NHS, WWF,ACT, GHFS, ROGB
Chapter 12:Air	NIMOS, BIS, Newmont & Rosebel
Chapter 13:Waste	Ministry of Public Works (garbage), AmReCo, BIS, Rosebel & Newmont

4A. STRENGTHS DATA SOURCES

Data availability

1. The Statistics Act gives the GBS the mandate to collect environment statistics .
2. GBS has a lot of experience with conducting surveys such as the MICS, the HBS, the Labor force survey and the Census.
3. The Environment Statistics publications are available in hardcopy and on the GBS website and the UNSD website.
4. MICS 2018 included some environment SDG indicators that were included in the Environment Statistics publication.
5. GBS uses Regional and international guidelines

Collaboration

1. Good collaboration between the NSO and the Environment Stakeholders. Also good collaboration between the stakeholders.
2. Good collaboration with UNDP- Suriname that provided funding for the midyear validating workshop and the launch of the Environment Statistics publication since 2014) . All the stakeholders get a complimentary copy of the Environment Statistics publication.
3. Suriname is also part of the Suriname Environment Information Network (SMIN), that is mentioned in the Environment Act.
4. The administrative data is always validated and if inconsistencies are found, the stakeholders are contacted to solve the issues.

Training

1. GBS participates in various national workshops from the ministries.
2. GBS participates in various regional and International workshop/trainings .
3. GBS is part of the Expert group on Environment Statistics (EGES)) led by UNSD
4. GBS is also part of the TWG on Environment statistics from CARICOM.

4B.WEAKNESSES DATA SOURCES

GBS: Surveys & Census

1. The Surveys/Census conducted by the GBS, contain mostly Social and economic indicators.
2. Population data and data on population with access to water, sanitation, garbage collection and electricity are outdated or not always available by district.
MICS 2018 (every 5 years)/
Census 2012 (every 10 years)/
HBS 2013/2014(every 5 years) &
Labor force Survey (quarterly but only for PARWAN).
3. Lack of financial resources to do the surveys in all 10 districts and to do the surveys more frequently.
4. Lack of finances and technical capacity to do specialized surveys.

Institutes: Administrative data

1. Since March 2020, because of COVID 19, data collection was more difficult than before.
2. Lack of data and the required metadata of environment and CC indicators. Most of time data is only available on the statistics.
- 3. Lack on knowledge of understanding the indicators and statistics. More training is needed for the stakeholders.**
4. Staff turn over is a very big issue.
5. Lack of data units at some of ministries
6. Lack of disaggregation such as sex, location, age etc.
7. Environment data is only collected every two years (in the even years) by GBS, because of lack of human resources and lack of an Environment statistics division .
8. Data collection is time consuming. It takes one full year to publish the ES pub. The GBS needs to politely follow up with the stakeholders, call and email constantly and sometime give surprise visits.

5A.RELATION CC GLOBAL SET WITH SURINAME ES PUB

1. In 2017, Suriname was introduced to the first set of the UNSD draft Climate Change indicators at the 4th Expert Group Meeting on Environment Statistics (EGES). Suriname contributed to the revision of the UNSD draft Global Framework of Climate Change Statistics and Indicators, and is also participating in the Global Consultation of the draft Global Set. Suriname made a presentation on its experience with the Global Consultation at an online UNSD-organized Information Session in June this year.
2. Although Suriname did not publish a CC statistics Report yet, circa 36% of the Climate Change indicators are available in the 9th Environment Statistics publication. Note: There is more data available on Statistics, than on the indicators (see next slide).
3. There are many data gaps especially in the area of water, air and soil quality indicators. To collect more data, specialized surveys are needed and there needs to be more collaboration between GBS and the stakeholders, especially the policy focal points working on Climate Change.
4. Suriname did 2 GHG-inventories (National Communication in 2003 and 2008). Suriname is now at the stage of preparing the third GHG-inventory using the IPCC guidelines. GBS provided some data to the local consultants responsible for Suriname's 3rd UNFCCC report.

5B.DATA AVAILABILITY STATUS – REVISED CLIMATE CHANGE INDICATORS

	Environment Statistics Chapters	Drivers	Impacts	Vulnerability	Mitigation	Adaptation	# Indicators
1	Demographic and Socio-Economic Background	2		1			3
2	Climate & Natural Disaster		7			1	8
3	Tourism						0
4	Transport	1				1	2
5	Environment and Health		1	1			2
6	Water			1		1	2
7	Energy & Minerals	4		2	3		9
8	Forestry	2	3		1		6
9	Coastal and Marine Resources						0
10	land Use and Agriculture	3	1			1	5
11	Biodiversity		1	2		1	4
12	Air	2			2		4
13	Waste			2		1	3
Total indicators with data available in the ES pub		14	13	9	6	6	48
Total indicators from the global framework of CC		19	45	26	14	30	134
% Data available in Suriname per July 2021		10	10	7	4	4	36

6. WAY FORWARD

1. Try to collect more data on CC for the 10th Environment Statistics publication, planned for 2022.
2. In 2022, plan to publish a climate Change Statistics Report for Suriname using the Global framework on Climate Change Statistics and Indicators.
3. Collaborate more with the national climate change focal point to promote linking climate change monitoring, statistics and policy, as well as to benefit from funding from the Green Climate Fund (GCF)
4. Participate in more national, regional and international meetings/workshops.

The background is a solid blue color. It features several white, stylized clouds scattered across the top and bottom. On the left and right sides, there are green leafy branches extending into the frame. The text is centered and written in a bold, white, sans-serif font.

BEDANKT
Thank You
Gracias
Merci Beaucoup