Environment Statistics Self-Assessment Tool (ESSAT)

Part II: Statistics Level Assessment

Belize Results

Table of Contents

ESSAT Background

ESSAT Part II Overview – Belize Experience

Participating Agencies

Results

Next Steps

Questions/ Comments

ESSAT BACKGROUND

The **ESSAT**:

An assessment tool created by United Nations Statistics Division

Has been used in other parts of the world

Assesses country's current position in environmental data collection

Administered to relevant government ministries

ESSAT BACKGROUND

In particular the ESSAT:

Guides data collection and compilation at a national level

Overall sets a basis for strengthening the environment statistics programs within the NSS.

Assesses: national relevance, importance, availability and the sources of environment statistics.

Assists in identifying data gaps and overlaps

STRUCTURE OF THE ESSAT

Framework for the Development of Environment Statistics (**FDES**)
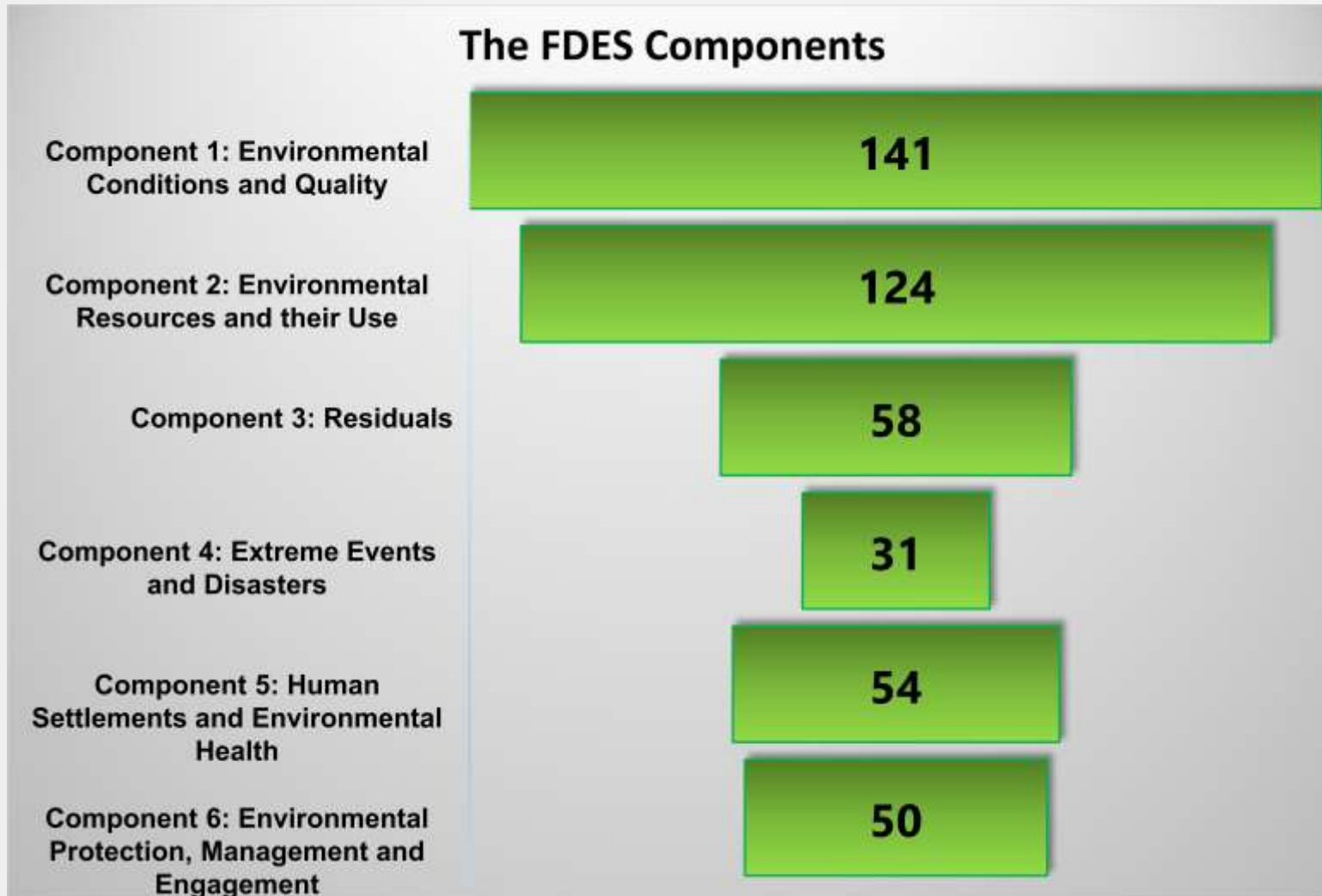
Hierarchical structure of the FDES in descending order

Component

Sub-Component

Statistical Topic

Statistics

STRUCTURE OF THE ESSAT

The FDES Components

- Component 1: Environmental Conditions and Quality — 141
- Component 2: Environmental Resources and their Use — 124
- Component 3: Residuals — 58
- Component 4: Extreme Events and Disasters — 31
- Component 5: Human Settlements and Environmental Health — 54
- Component 6: Environmental Protection, Management and Engagement — 50

❖ hierarchical structure of the FDES in descending order
  ❖ *component*
  ❖ *sub-component*
  ❖ *statistical topic*
  ❖ *statistic*

Total number of statistics **458**

STRUCTURE OF THE ESSAT

There are three types of statistics (TIERS)

TIER 1: Minimum set that each country should produce

TIER 2: Good medium term statistics

TIER 3:   Difficult to produce in short and medium term

STRUCTURE OF THE ESSAT

TIER 1 statistics:

Basic minimum set of environment statistics

Recommended for production in the short term

They are of high priority and relevance

Have a sound methodological foundation**.**

STRUCTURE OF THE ESSAT

TIER 2 statistics:

Highly encouraged to have if the situations apply

They require a greater investment in
  Time
    Resources
      Methodological development

Countries are encouraged to produce them in the medium term.

STRUCTURE OF THE ESSAT

TIER 3 statistics:

Require a more significant investment in
Time
Resources or
Technological development.

Recommended for production in the long-term.

STRUCTURE OF THE ESSAT

Distribution of Statistics by Components and Tiers

Tier	Component 1	Component 2	Component 3	Component 4	Component 5	Component 6	Total
1	32	30	19	4	12	3	**100**
2	58	51	34	11	22	24	**200**
3	51	43	5	16	20	23	**158**
Total	**141**	**124**	**58**	**31**	**54**	**50**	**458**

Overview

The Statistical Institute of Belize lead the completion of the ESSAT, in partnership with the Department of the Environment (DOE).

19 Agencies were sent relevant sections of the ESSAT Part II , of which **17** participated **(90%).**

One-on-one consultation sessions were conducted with all participating agencies.

An assessment of all indicators in the ESSAT Part II was done to remove indicators not relevant to Belize.

PARTICIPATING AGENCIES

Ministry of Agriculture, Fisheries, Forestry, Environment, Sustainable Development and Immigration (MAFFESDI)

Agriculture Department

Belize Agricultural Health Authority

Coastal Zone Management Authority Institute

Pesticides Control Board

Belize Fisheries Department

Forest Department

PARTICIPATING AGENCIES

Department of the Environment

Belize Solid Waste and Management Authority

Meteorological Service

National Emergency Management Organisation (NEMO)

National Climate Change Office

Ministry of Natural Resources

PARTICIPATING AGENCIES

Hydrology unit

Energy Unit

Ministry of Health

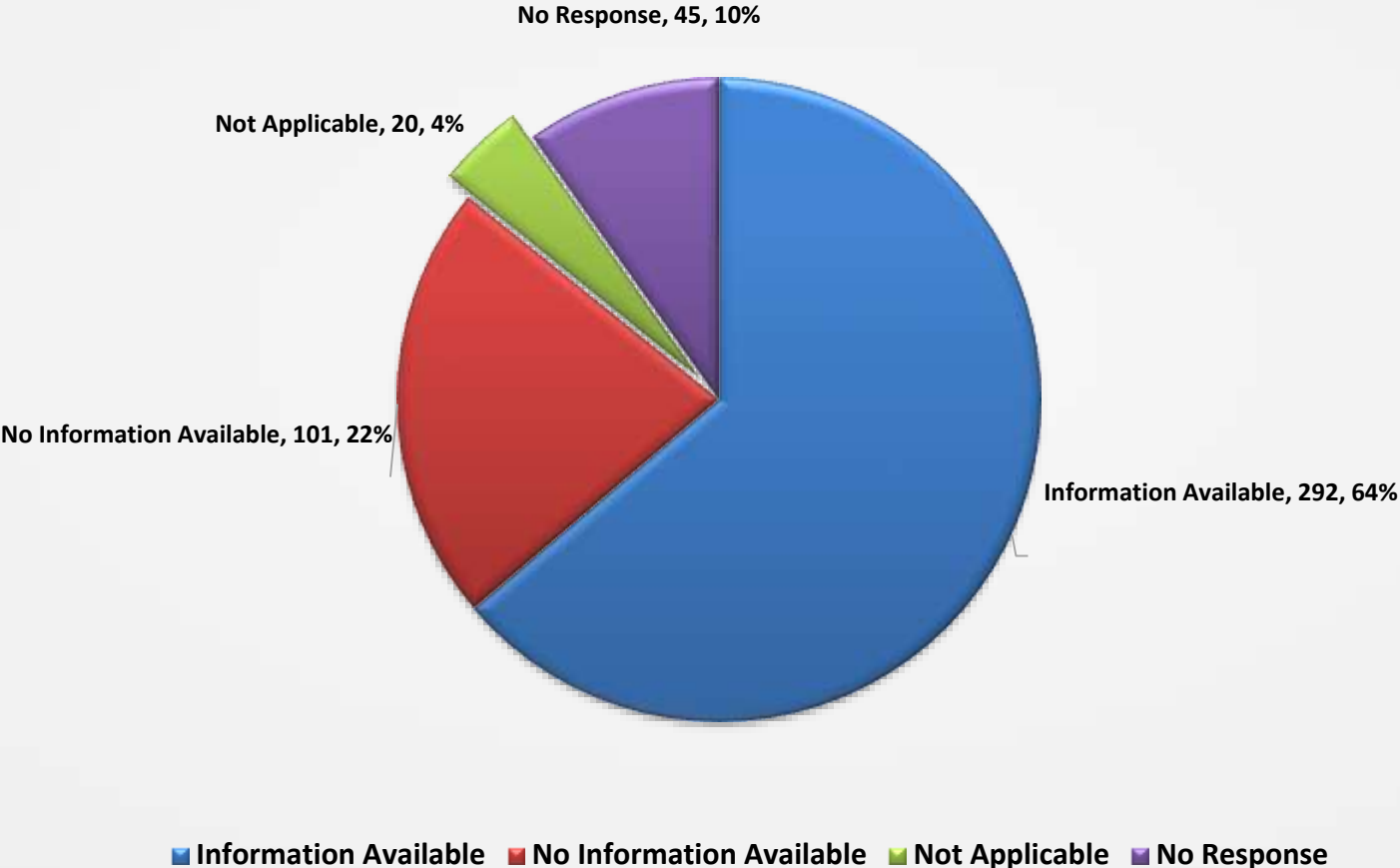Public Health Department
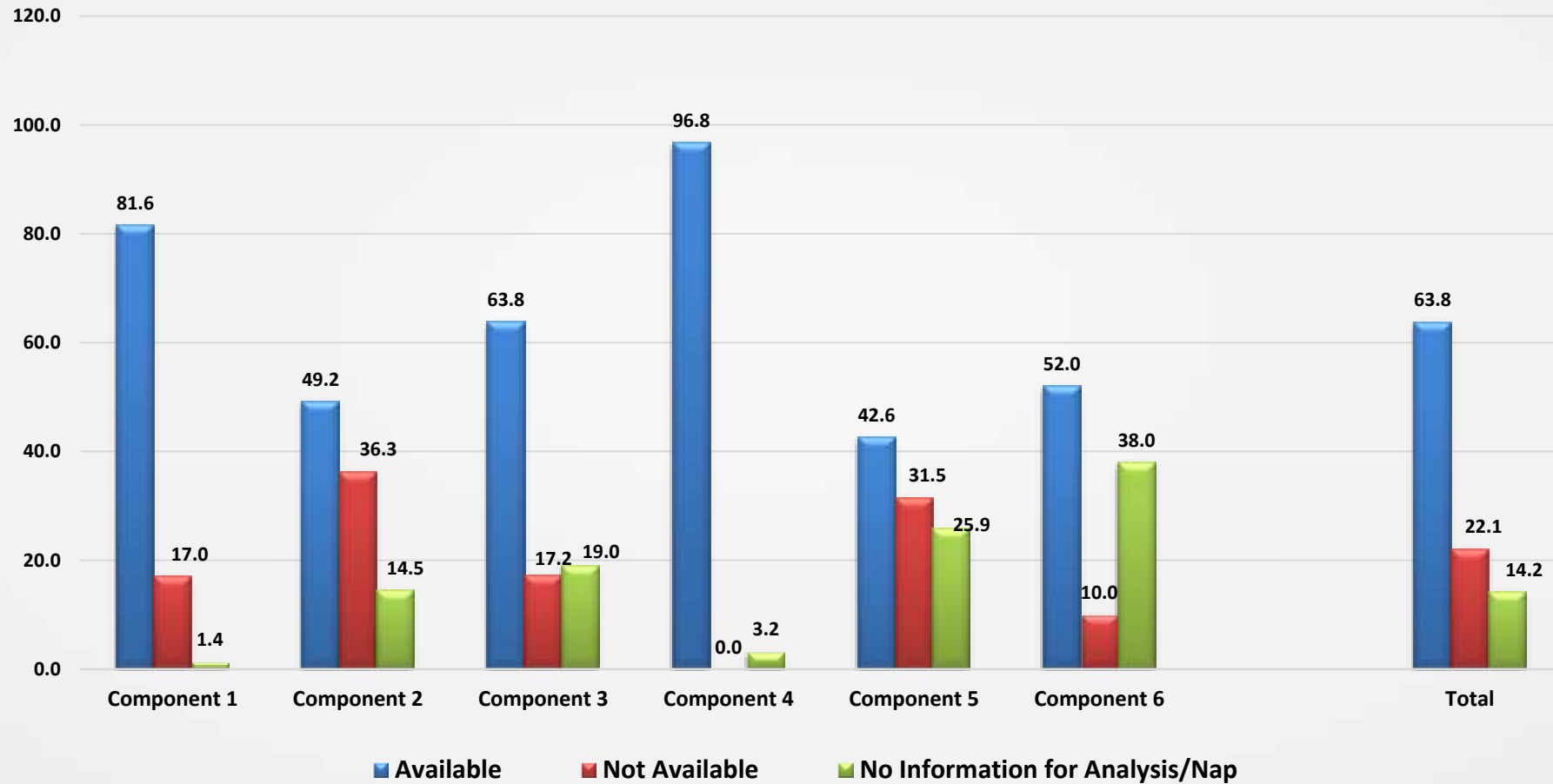
BIOFIN

Statistical Institute of Belize

RESULTS

Availability of Information for Data Assessment Gap

No Response, 45, 10%
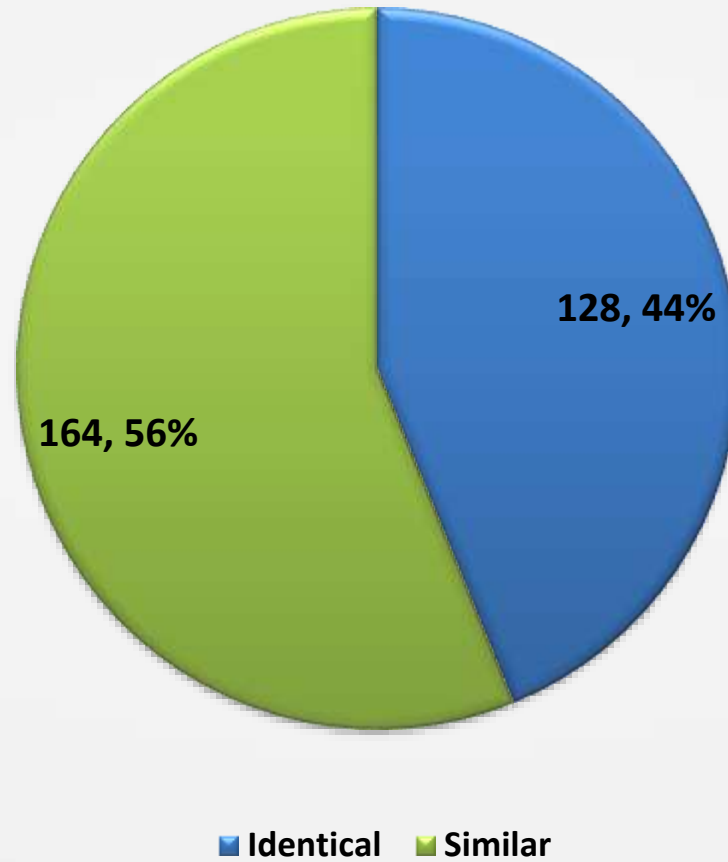
Not Applicable, 20, 4%

No Information Available, 101, 22%

Information Available, 292, 64%

■ Information Available ■ No Information Available ■ Not Applicable ■ No Response

RESULTS

Proportion of Available Statistics Belize

Legend: ■ Available ■ Not Available ■ No Information for Analysis/Nap

	Available	Not Available	No Information for Analysis/Nap
Component 1	81.6	17.0	1.4
Component 2	49.2	36.3	14.5
Component 3	63.8	17.2	19.0
Component 4	96.8	0.0	3.2
Component 5	42.6	31.5	25.9
Component 6	52.0	10.0	38.0
Total	63.8	22.1	14.2

RESULTS- Data Gaps

Identical vs Similar Available Statistics

128, 44%

164, 56%

■ Identical   ■ Similar

RESULTS

	Data Gaps	
Short Term	48	(all Tier 1)
Medium Term	125	(9 Tier 1 , 61 Tier 2, 55 Tier 3
Long Term	92	(37 Tier 2, 55 Tier 3)
Total	**265**	

RESULTS

Reasons why the Statistics is Not Available

Resource constraints

Methodological/Technical difficulty in data collection

Insufficient quality

Inaccessibility

Lack of institutional set-up/coordination

Other difficulties in data collection

Next Steps

Data sharing ... Develop:

Metadata

Data sharing protocols

A Data Protection Act

Information Sharing Agreements

Data Sharing Protocols

Set out the principles for

Legal

Secure

Confidential

Sharing of personal anonymized information

QUESTIONS?

Keep in touch

http://www.facebook.com/belizestatistics/

Sign up to receive emails of our releases

http://www.sib.org.bz/contact-us

For more information, visit our website

http://www.sib.org.bz