



Institutional Capacity of NSS & NSO for SDG-related Data Collection, Analysis, Reporting and Visualization



Md. Alamgir Hossen

Deputy Director
and

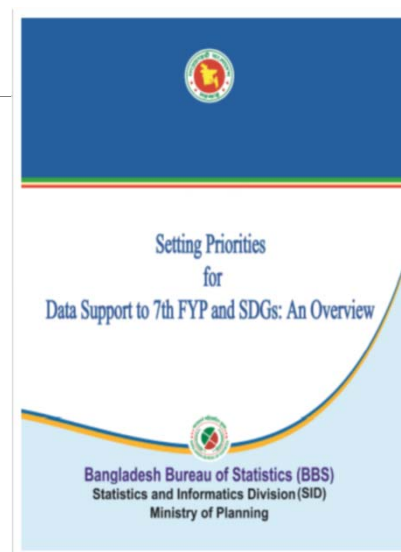
Member-Secretary, SDG Cell
Bangladesh Bureau of Statistics (BBS)
Email: alamgir.hossen@bbs.gov.bd



THE 2030 AGENDA FOR
SUSTAINABLE DEVELOPMENT

Background

- Bangladesh Bureau of Statistics (BBS), as the National Statistical Office (NSO), has completed a **rigorous exercise on Data Support for SDGs and 7th FYP** data need in Bangladesh
- Published the **first analytical report on gap of data demand and supply** in April, 2016 based on the 169 SDG targets

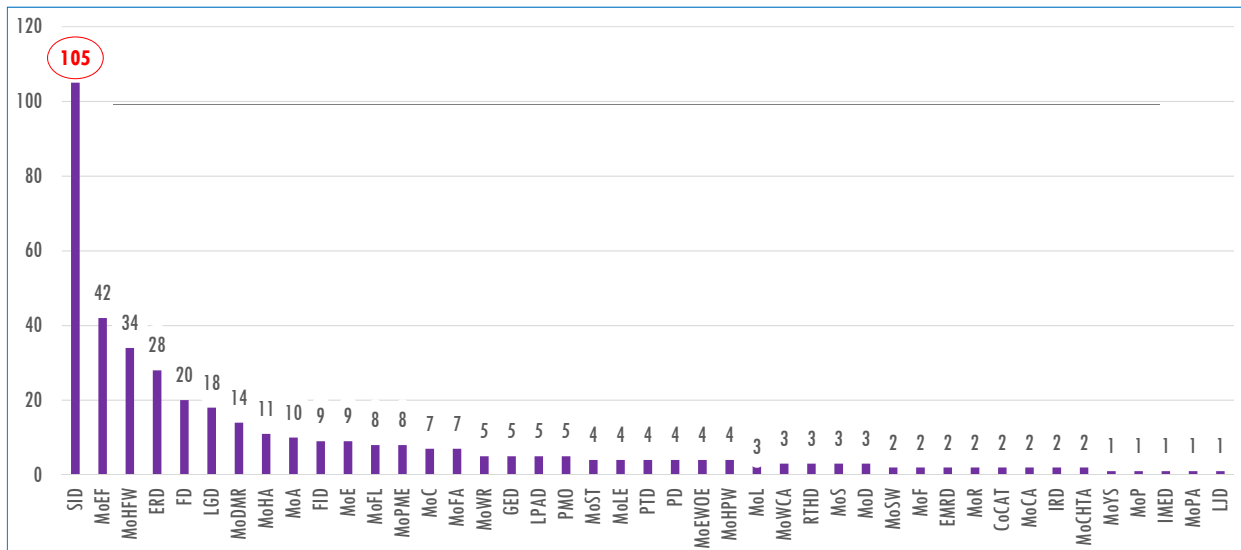


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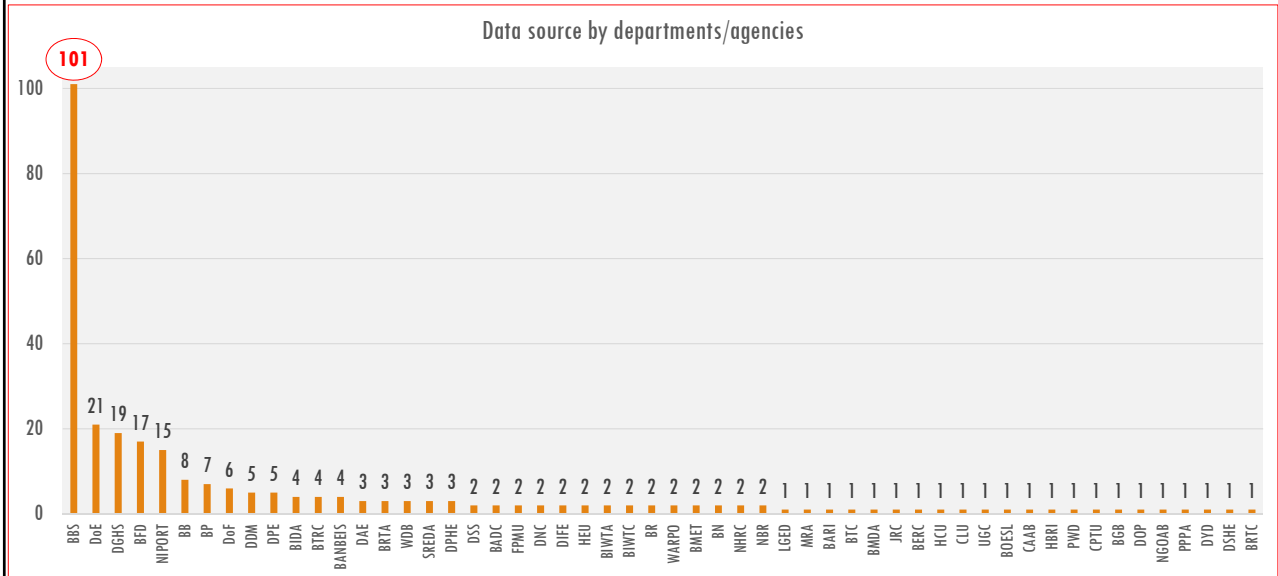


Based on the publication, General Economics Division (GED) has conducted workshops and rigorous consultation with most of the data generating relevant Ministries/Divisions and agencies including BBS and prepared a national data gap analysis and Monitoring and Evaluation Framework

Ministries/Divisions responsible for data source



Departments responsible for SDG Data Source



Tier classification Status of SDG indicators

Tier	Conceptually clear	Internationally established methodology and standards	Regularly produced	# of Indicators
Tier I	☑	☑	☑	93
Tier II	☑	☑	?	72
Tier III	?	?	?	62

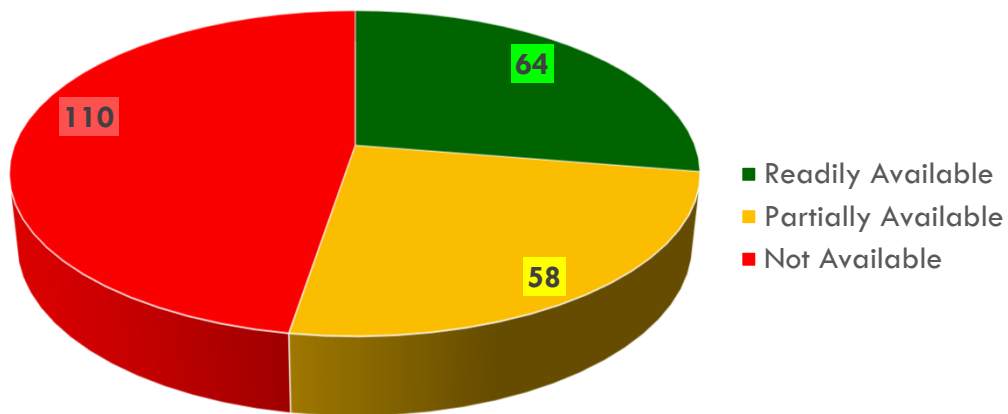
* 5 indicators with more than one tier assigned

Tier Classification and Data Availability in Bangladesh by Goal

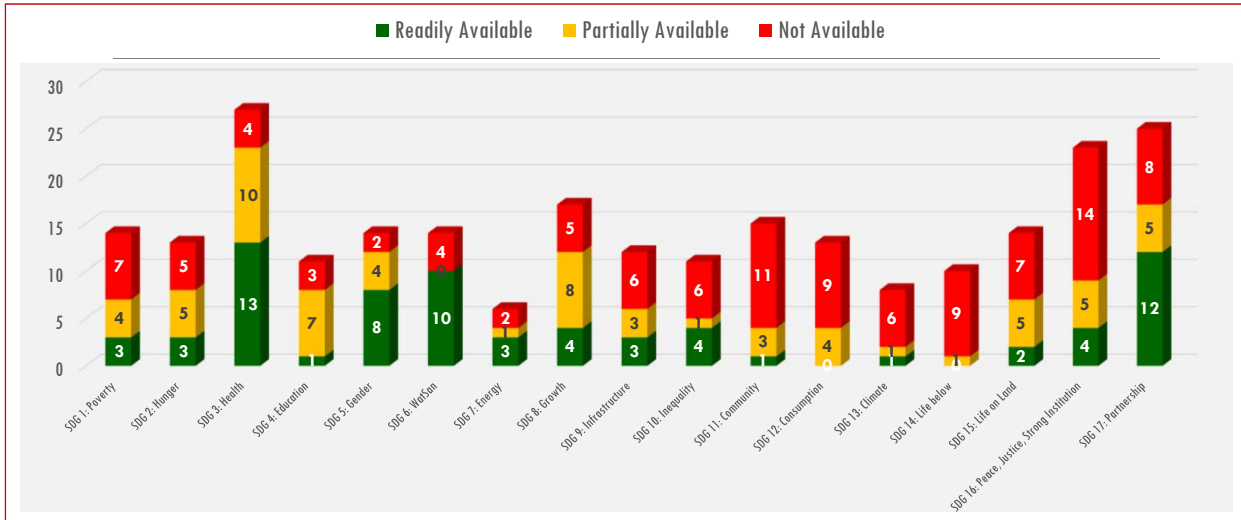
Goals	Total Indicators	Tier Classification			Data Availability		
		Tier I	Tier II	Tier III	Readily Available	Partially Available	Not Available
SDG 1: Poverty	14	3	7	4	3	4	7
SDG 2: Hunger	13	7	3	3	3	5	5
SDG 3: Health	27	17	8	2	13	10	4
SDG 4: Education	11	2	7	2	1	7	3
SDG 5: Gender	14	2	11	1	8	4	2
SDG 6: WatSan	11	4	7	0	2	2	7
SDG 7: Energy	6	4	1	1	3	1	2
SDG 8: Growth	17	8	5	4	4	8	5
SDG 9: Infrastructure	12	9	2	1	3	3	6
SDG 10: Inequality	11	2	4	5	4	1	6
SDG 11: Community	15	4	5	6	1	3	11
SDG 12: Consumption	13	2	1	10	0	4	9
SDG 13: Climate	8	5	2	1	1	1	6
SDG 14: Life below	10	2	3	5	0	1	9
SDG 15: Life on Land	14	7	4	3	2	5	7
SDG 16: Peace, Justice, Strong Institution	23	6	10	7	4	5	14
SDG 17: Partnership	25	15	3	7	12	5	8
Total	244	99	83	62	64	69	111

Data for
Tier I/II
49
indicators
are not
Available!

Data Availability in Bangladesh



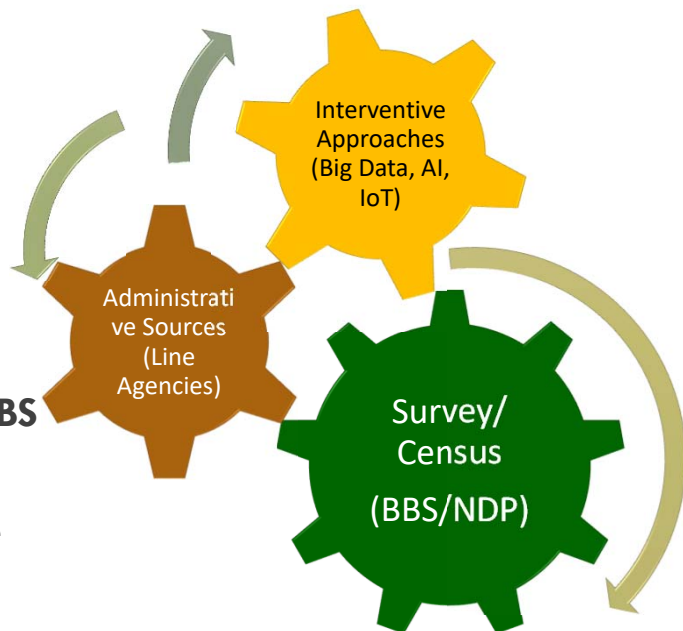
Data Availability SDGs indicators in Bangladesh



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Possible Sources of SDGs Data

- Data available in BBS – Official survey/census data
- Data available outside BBS – Administrative data
- Data not available (to be collected or developed)



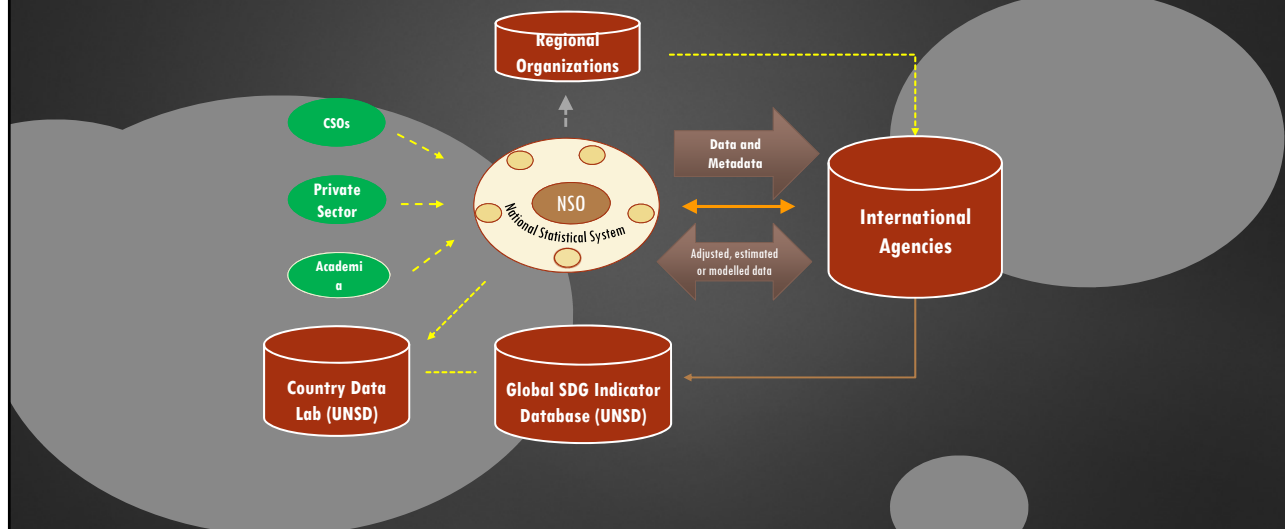
NSO in data coordination

“...global monitoring should be based on *comparable* and *standardized* national data obtained through *well-established reporting mechanisms* from countries to the *international statistical system*. Such mechanisms can be improved by strengthening the *coordination function of national statistical offices* and/or other national institutions. In order to fill data gaps and improve international comparability, countries will need to *adopt internationally agreed standards at the national level, strengthen national statistical capacity and improve reporting mechanisms*. International organizations and regional mechanisms play a significant role in facilitating the process.”

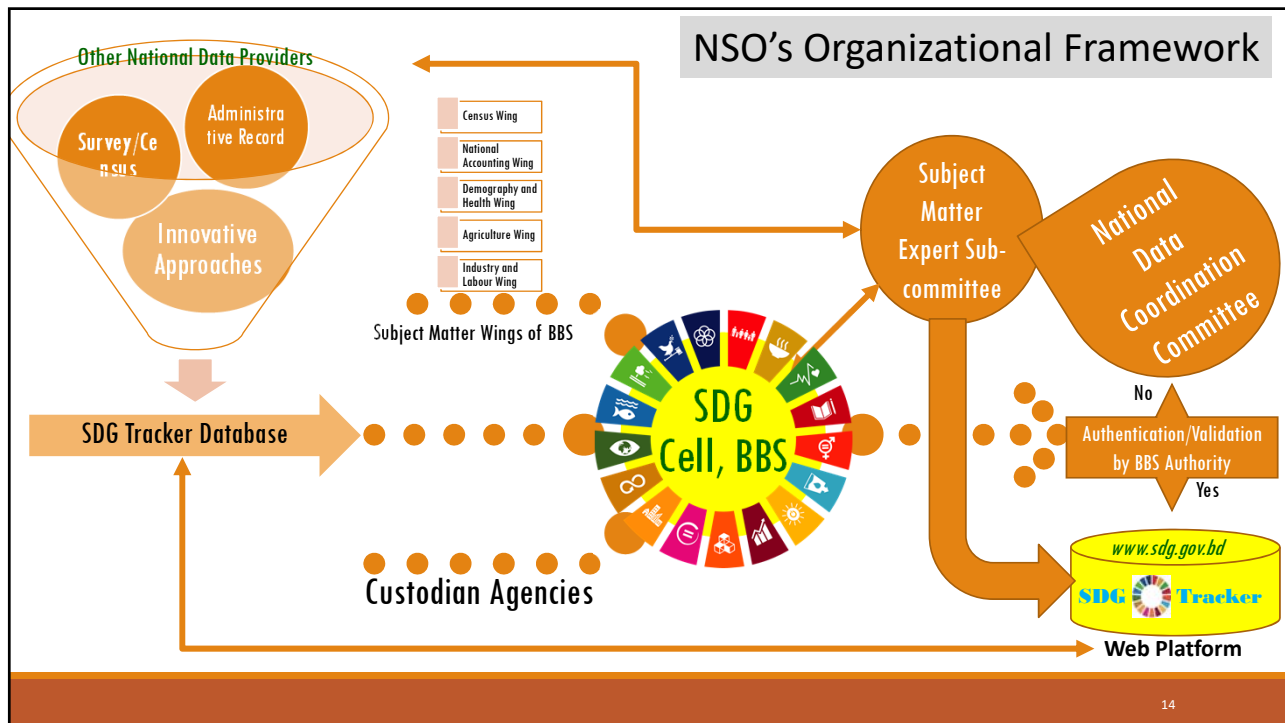
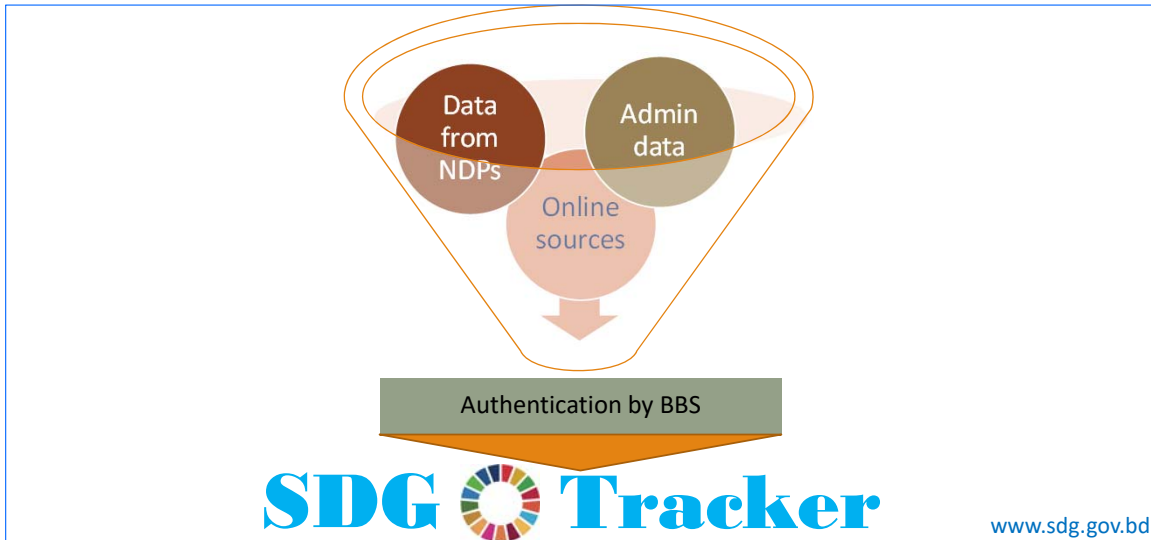
[Report of the Secretary-General- E/2016/75]

UN Recommendation on Data Flow in SDG Reporting

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Authentication of Data for SDGs



Template of Methodological Guidelines for Data Generation and Disaggregation for Monitoring and Evaluation of SDGs

Goals and targets and Indicators	Custodian Agency (ies)	Tier Classifications	Definition, Rationale, Concept, Computation Methods and formula	UN Suggested activities of data generation	UN Suggested data provider	Recent Available Data Sources	Possible future Sources	Required Disaggregation Types	Frequency of data generation	Local Indicator Group*	Timeline Action Plan for Data Publishing	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13

Local Group Classification:

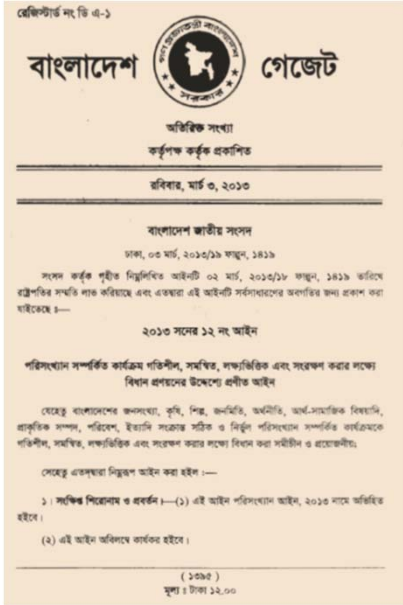
Group 1 : Indicators already produced by NSS and data exist for baseline report (preferably Year 1 = 2016)

Group 2 : Indicators in an ongoing process or could be produced within the NSDS up to 2023

Group 3 : Indicators needing more efforts (methods, financing, etc.)

On-going Initiatives to Incorporate big data in official statistics and SDG data disaggregation

- Existing law (Statistics Act, 2013) only recognizes survey and census data as official statistics
- Need to amend the Statistics Act, 2013 to incorporate administrative data and big data as official statistics
- The law supports integration of ICTs in generation of official statistics
- SDG Cell of BBS is waiting to get support from ADB Assistance Project on Big Data for in house capacity building



Statistics Act, 2013 and Innovative Data Approach

Mandatory Use of Official Statistics by all Ministries/Divisions and their sub-ordinate Offices/Departments/Agencies in Government Activities

১০। সরকারি পরিসংখ্যানের বাধ্যতামূলক ব্যবহার।—যে কোন মন্ত্রণালয়, বিভাগ বা উহাদের অধীনস্থ দপ্তর, অধিদপ্তর বা সংস্থার পরিসংখ্যান সংক্রান্ত কর্মকাণ্ডে সরকারি পরিসংখ্যান বাধ্যতামূলকভাবে ব্যবহৃত হইবে।

Official Statistics is defined as Statistics generated, stored, published and (in case of other than BBS data approved by BBS)

(৯) “সরকারি পরিসংখ্যান” অর্থ ব্যারো কর্তৃক প্রণীত, সংরক্ষিত, প্রকাশিত ও প্রযোজ্য ক্ষেত্রে, ধারা ১১ এর অধীন অনুমোদিত পরিসংখ্যান।

Authentication of the quality of Official Statistics generated for national and international agencies

(ন) জাতীয় ও আন্তর্জাতিক সংস্থার জন্য প্রণীত সরকারি পরিসংখ্যানের মান সত্যকরণ (Authentication);

Statistics Act, 2013 and Innovative Data Approach

৬। ব্যারোর কার্যাবলী।—এই আইনের উদ্দেশ্য পূরণকল্পে ব্যারোর কার্যাবলী হইবে নিম্নরূপ, যথা :—

Quickly providing the reliable and user-friendly statistics in response to the demand from government development planners, policymakers, researchers & educational institutions, national & international agencies and other users

(খ) সরকারি পক্ষের উন্নয়ন পরিকল্পকর্ম, নীতি-নির্ধারণ, পর্যালোচনা ও নীতি প্রণয়ন, জাতীয় ও আন্তর্জাতিক সংস্থা এবং অন্যান্য ব্যবহারকারীদের তথ্যিক অনুরোধ পূরণের উদ্দেশ্যে নির্ভরযোগ্য এবং ব্যবহারকারীর পক্ষে স্বাধীনভাবে সংগ্রহযোগ্য;

Ensuring ICT use in statistical activities

(এ৩) পরিসংখ্যান কার্যক্রম সম্পাদনে তথ্য-প্রযুক্তির ব্যবহার নিশ্চিতকরণ;

Development of Integrated Central Geographical Information System (GIS)

(খ) সমন্বিত সেন্ট্রাল জিওগ্রাফিক্যাল ইনফরমেশন সিস্টেম (Geographical Information System) প্রণয়ন;

Developing and storing National Database with alternative storage facilities

(ঘ) সংরক্ষণের বিকল্প ব্যবস্থাসহ জাতীয় তথ্য ভান্ডার প্রণয়ন ও আধুনিক পদ্ধতিতে আর্কাইভে সংরক্ষণ;

Ensuring modern technologies in disseminating and archiving data

১৬। প্রকাশনা।—(১) ব্যারো তৎকর্তৃক সংগৃহীত ও প্রস্তুতকৃত পরিসংখ্যান প্রকাশ করিবে।

(২) উপ-ধারা (১) এর অধীন প্রকাশিত প্রকাশনাসমূহ, সময় সময়, হালনাগাদক্রমে আধুনিক প্রযুক্তি ব্যবহার করিয়া লাইব্রেরীতে সংরক্ষণ করিতে হইবে।

Existing capacity for the dissemination of statistical data

- Mostly focused on Data producing rather dissemination
- Need of technical support in capacity building regarding-
 - *Dissemination using GIS*
 - *Developing central database platform*
 - *Capacity building of existing set up*

User engagement in dissemination platforms

- Online **BDinfo** is used for data dissemination both primary and secondary data
- **REDATAM** Platform allows users to generate customized tables and graphs from raw data set
- BBS **Web based GIS application** can be used to view data up to lowest administrative level (Mauza) with map and tables

Challenges: Data Support to SDGs

- Production of **disaggregated and frequent statistics** by age, sex, disability and sub-national level
- **Comparability of Data**: Harmonizing the concepts, definitions, methodologies etc. following international standards
- Availability of baseline data
- Conducting a large number of **new surveys**
- **Technical support** availability for regular monitoring
- Introduction of **modern technology** in collection of statistical data and quick dissemination

Way Forward

- **Leading Role of BBS** in generation and validation of the official data as NSO
- Preparation of methodological guidelines for data **disaggregation and frequency**
- **Conducting new surveys** identified for data generation- review of questionnaires are also required
- **Mining of microdata** of different survey/census/administrative sources
- **Developing partnership** with other national and international organizations
- Formulation of **Guidelines for Administrative Data** generation for SDGs indicators
- Implementation of **Statistics Act, 2013** and National Strategy for the Development of Statistics (NSDS)
- Role of **National Data Coordination Committee (NDCC)** to be ensured
- Developing the capacity of manpower- **more data analytics/data scientists**

Future Plans to incorporate Big Data analytics in BBS's work plan

- Capacity building of NSO on Big Data is required
- Technical Support is needed from the development partners
- Proposed budget allocation to introduce big data analysis in FY 2017-18
- Expecting technical help for the Big Data Assistance Project both for hands on training and Piloting
- UNICEF extended support to big data initiatives to BBS through rolling plan

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Thank You
