SDG Indicators on ICT: Some issues

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SDG Indicators on ICT

Goal	Target	Indicator
Goal 1. End poverty in all its forms everywhere	1.4: By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, ownership and control over land and other forms of property, inheritance, natural resources, appropriate new technology and financial services, including microfinance	1.4.1: Proportion of population living in households with access to basic services Access to basic information services – having a broadband internet access

SDG Indicators on ICT

Goal	Target	Indicator
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship	4.4.1 Proportion of youth and adults with information and communications technology (ICT) skills, by type of skill

SDG Indicators on ICT

Goal	Target	Indicator
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	4.a Build and upgrade education facilities that are child, disability and gender sensitive and provide safe, non-violent, inclusive and effective learning environments for all	4.a.1 Proportion of schools with access to (a) electricity; (b) the Internet for pedagogical purposes; (c) computers for pedagogical purposes; (d) adapted infrastructure and materials for students with disabilities; (e) basic drinking water; (f) single-sex basic sanitation facilities; and (g) basic handwashing facilities (as per the WASH indicator definitions)

SDG Indicators on ICT

Goal	Target	Indicator
Goal 5. Achieve gender equality and empower all women and girls	5.b Enhance the use of enabling technology, in particular information and communications technology, to promote the empowerment of women	5.b.1 Proportion of individuals who own a mobile telephone, by sex

SDG Indicators on ICT

Goal	Target	Indicator
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	9.c Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2020	9.c.1 Proportion of population covered by a mobile network, by technology

SDG Indicators on ICT

Goal	Target	Indicator
Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development	17.6 Enhance North-South, South-South and triangular regional and international cooperation on and access to science, technology and innovation and enhance knowledge-sharing on mutually agreed terms, including through improved coordination among existing mechanisms, in particular at the United Nations level, and through a global technology facilitation mechanism	17.6.2 Fixed Internet broadband subscriptions per 100 inhabitants, by speed

SDG Indicators on ICT

Goal	Target	Indicator
Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development	17.8 Fully operationalize the technology bank and science, technology and innovation capacity-building mechanism for least developed countries by 2017 and enhance the use of enabling technology, in particular information and communications technology	17.8.1 Proportion of individuals using the Internet

SDG Indicators on ICT

Srl. No.	Goal	Target	Indicator No.
1	Goal 1	1.4	1.4.1
2	Goal 4	4.4	4.4.1
3	Goal 4	4.a	4.a.1
4	Goal 5	5.b	5.b.1
5	Goal 9	9.c	9.c.1
6	Goal 17	17.6	17.6.2
7	Goal 17	17.8	17.8.1

SDG Indicators on ICT

- Ministry of Statistics & PI

- Develop National Indicator Framework of SDG (NIFSDG)

- Sustainable Development Goals National Indicator Framework Baseline Report 2015-16

- Covers 16 Goals and develop 306 indicators

National SDG Indicators on ICT

Srl. No.	National Indicator Description	Base value
1	1.4.6: Number of telephone subscriptions as percentage of total population, 2015-16, (in percentage)	83.40
2	4.4.1: Proportion of computer literate adults	--
3	4.a.1: Proportion of schools with access to computers for pedagogical purposes;	27.31

National SDG Indicators on ICT

Srl. No.	National Indicator Description	Base value
4	9.c.1: Number of Internet Subscriptions as percentage of total population, 2015-16 (in percentage)	26.98
5	9.c.2: No. of broadband subscribers per 10000 persons, 2015-16 (number per 10,000 population)	1,178.81

Data Sources

- Administrative data – Ministry of Communications

- Survey data of NSS – Education survey, Consumer expenditure survey – Ministry of Statistics & Programme Implementation

- Census data – Ministry of Home Affairs

- Education data – Ministry of Human Resource Development

- Regulatory bodies like Telecom Regulatory Authority of India

Issues

- Different data sources
- Different data framework
- Administrative data
- Survey based data
- Time lag…problem of SDG monitoring
- Some global indicators are not addressed

Way forward

- NSO will conduct a Multiple Indicator Survey during 2020 – survey will commence from 01.01.2020

- Main objective is to collect information from household for developing SDG indicators

- Core areas – Drinking water, Sanitation, Education, ICT, mass media

- Will be conducted every three years…

Way forward

- Ease of SDG monitoring
- Attempt has been made to collect information for developing some global indicators
- Global indicators related with ICT which will be addressed are – 1.4.1, 4.4.1, 5.b.1, 9.c.1, 17.6.2, 17.8.1
- Information will be collected mainly on person level
- Gender specific indicators can be developed

	for persons of age 15 years and above	
16.	whether able to copy or move a file or folder (yes - 1, no - 2)	
17.	whether able to use the copy and paste tools to duplicate or move information within a document (yes - 1, no - 2)	
18.	whether able to send e-mails with attached files (e.g. document, pictures and video) (yes - 1, no - 2)	
19.	whether able to use basic arithmetic formulae in a spreadsheet (yes - 1, no - 2)	
20.	whether able to connect and install new devices (e.g. modem, camera, printer) (yes - 1, no - 2)	
21.	whether able to find, download, install and configure software (yes - 1, no - 2)	
22.	whether able to create electronic presentations with presentation software (including text, images, sound, video or charts) (yes - 1, no - 2)	
23.	whether able to transfer files between a computer and other devices (yes - 1, no - 2)	
24.	whether able to write a computer program using a specialised programming language (yes - 1, no - 2)	

for persons of age 15 years and above

25.	whether uses internet (yes - 1, no - 2)	
26.	whether reads newspaper (yes - 1, no - 2)	
27.	whether reads magazine (yes - 1, no - 2)	
28.	whether listens radio (yes - 1, no - 2)	
29.	whether watches television (yes - 1, no - 2)	

Discussion

- 9.c.1 : Proportion of population covered by a mobile network, by technology
- How to capture through household survey?
- Coverage?
- Multiple network issue
- Conceptual issues for investigator/respondent
- 17.6.2 Fixed Internet broadband subscriptions per 100 inhabitants, by speed

Discussion

- ➡ 17.6.2 Fixed Internet broadband subscriptions per 100 inhabitants, by speed

- ➡ How to capture through household survey?

- ➡ Coverage?

- ➡ Conceptual issues for investigator/respondent

Thank You