

Capacity building workshop on information and communication technology (ICT) indicators

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Islamabad, Pakistan

Overview of ITU's work on ICT measurement

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Background



The United Nations **specialized agency for ICTs**



Mandate to produce global statistics of the ICT sector - **part of the UN statistical system**



Only global source of official ICT statistics,
ITU data used:

- Tracking global development goals: MDGs, WSIS, Broadband Commission
- UN system, including the World Bank
- World Economic Forum, academia, press...

Importance of ICT statistics

National

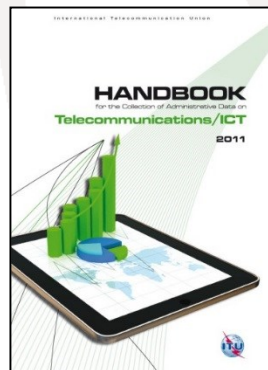
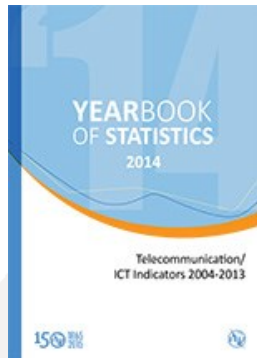
- Overall monitoring of ICT developments
- Market analysis to inform regulatory/policy interventions
- Tracking of regulatory measures, e.g. licence obligations
- Monitoring of national ICT goals, e.g. broadband plans

International

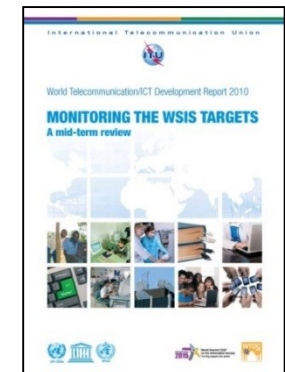
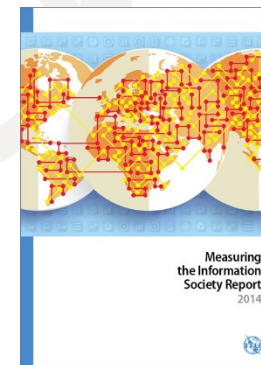
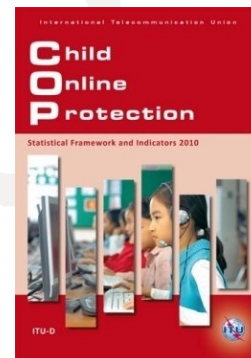
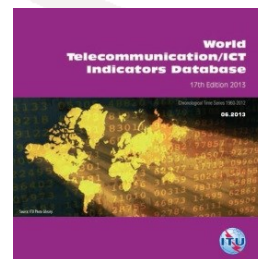
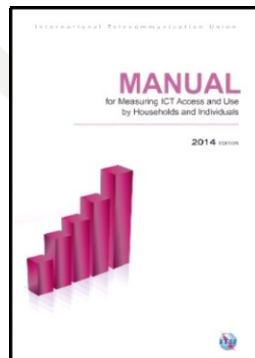
- Benchmarking national vs international ICT developments
- Monitor global ICT development targets, e.g. Broadband Commission targets, WSIS+10, SDGs
- Informing private investors (e.g. to attract FDI), international cooperation programmes, donors, the media

ITU's work on ICT statistics

1. Data collection and dissemination
2. Data analysis and research reports
3. Monitoring global ICT targets
4. Definitions and methodologies for ICT indicators
5. Capacity development
6. International cooperation

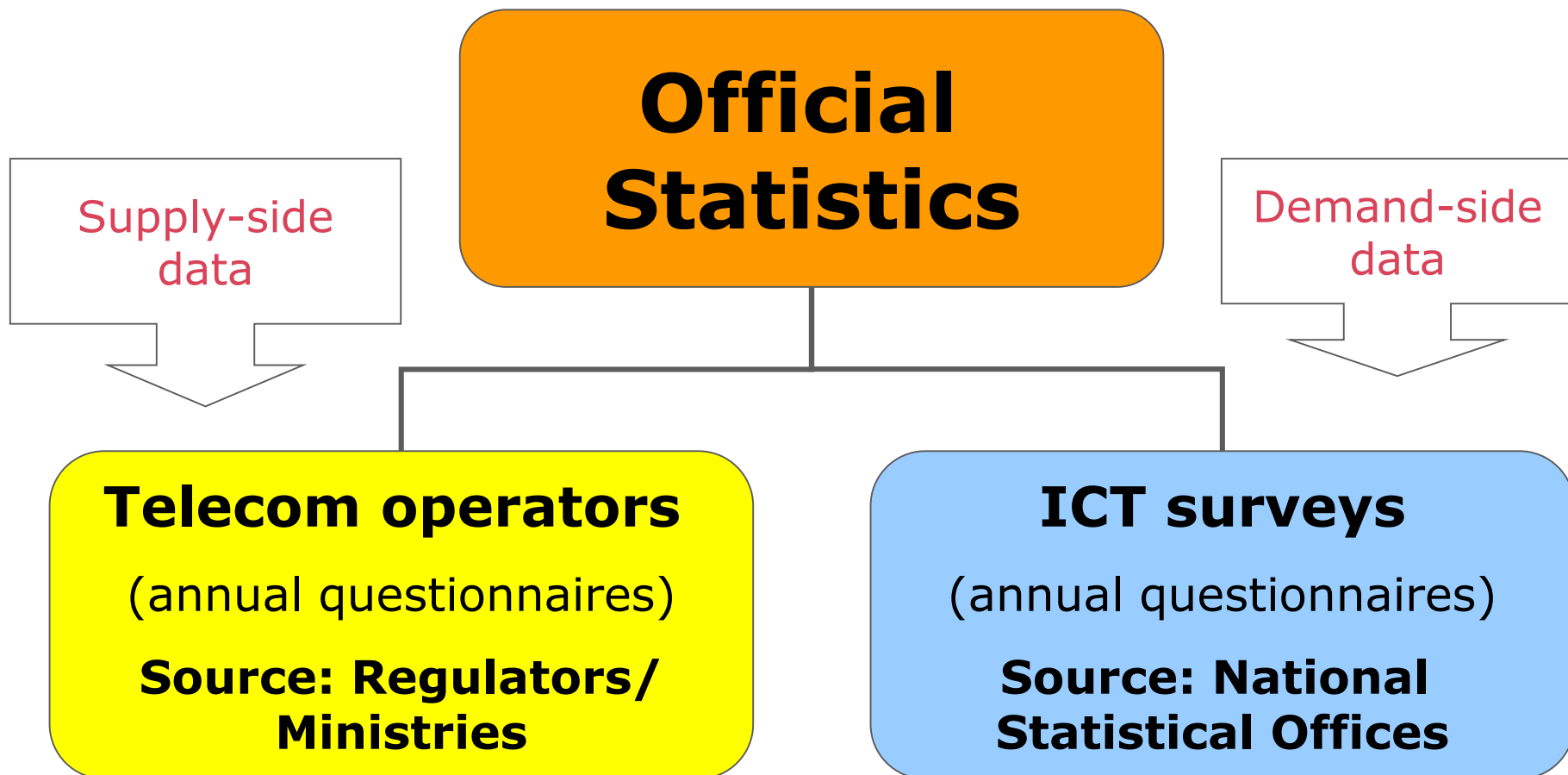


**PARTNERSHIP ON
MEASURING ICT
FOR DEVELOPMENT**

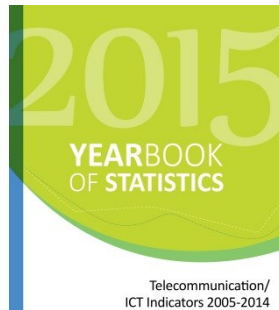
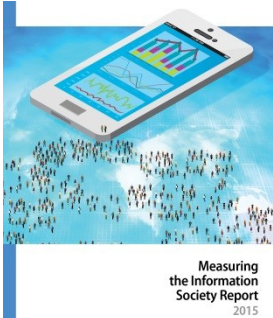


WTIS-15
13th WORLD TELECOMMUNICATION
ICT INDICATORS
SYMPOSIUM
30 NOVEMBER - 2 DECEMBER 2015
HIROSHIMA, JAPAN

Data collection - Sources for ITU statistics



Benchmarking ICT developments



- Data quality – authoritative sources
- Credible methodology
 - Harmonization through Expert Groups
- Only global source of official ICT statistics – about 190 economies
- Historical series – annual data from 1975 - present
- Relied upon by:
 - Private sector
 - Development banks
 - International organizations



Analysis: Measuring the Information Society Report

- Flagship annual statistical and analytical report on ICT developments
- Includes two key benchmarking tools:
 - ICT Development Index (IDI)
 - ICT Price Basket (IPB)
- For governments/policy makers, analysts, investors, the media
- **MIS Report 2015:**
 - Launched on **30th November 2015**
 - Featured topics: IDI, IPB, Connect 2020 Targets and the Internet of Things



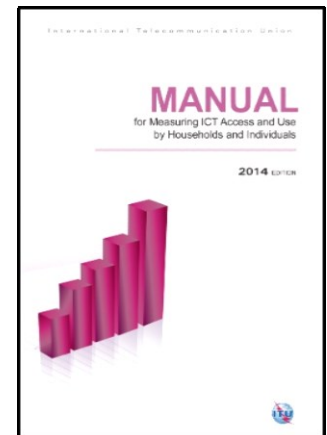
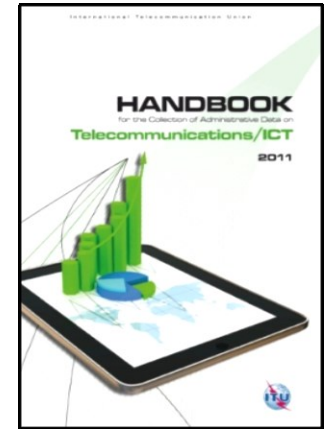
Emerging trend: **Big data**

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- Session in WTIS 2013, 2015
- Comprehensive review of «Big data in telecommunication» in MIS Report 2014
- Big data for measuring the information society project (under way)
- UNSC Working Group on Big Data for Official Statistics
- Link to post 2015 development agenda and call for *data revolution*
- Working in partnership with ITU Member States and private sector

Defining indicators and developing statistical standards

- ITU Expert Group on Telecommunication/ICT Indicators (EGTI); **ITU Handbook**
- ITU Expert Group on Household Indicators (EGH); **ITU Manual**
- World Telecommunication/ ICT Indicators Symposium (WTIS)
- In cooperation with members of Partnership on Measuring ICT for Development



You are invited to participate in EGTI and EGH, information at
indicators@itu.int

Capacity development

- Training course (5 days) on ICT household surveys and indicators (based on Household Manual)
- Training on telecommunication/ICT infrastructure indicators and data collection
- Regional, sub-regional and national workshops – such as this one
- In collaboration with members of the Partnership (e.g. UNCTAD, UN Regional Commissions)

World Telecommunication/ICT Indicators Symposium (WTIS)

- Main global event on ICT measurement – bringing together the ICT policy and ICT data community
- Presentation of the work of the statistical Expert Groups (EGH/EGTI)
- Launch of the ICT Development Index
- 21 - 24 November 2016, Botswana



Why is WTIS important?

Regulators

- Main collectors of data from operators
- Need to benchmark ICT developments internationally
- Keep up with emerging trends, e.g. monitoring IoT

Policy makers

- Require ICT data, e.g. for setting national targets
- Evidenced-based policy-making relies on sound statistics
- Attracting private investment requires authoritative data

National statistical offices

- Produce ICT data from household surveys
- Oversee the statistical soundness of national data

International cooperation

- Partnership on Measuring ICT for Development
- World Summit for the Information Society (WSIS)
- Inter-agency Expert Group on Sustainable Development Goal Indicators (IAEG-SDGs)
- UN Statistical Commission
- UN Data Managers group
- UN Data Catalog
- Broadband Commission for Digital Development

**PARTNERSHIP ON
MEASURING ICT
FOR DEVELOPMENT**



WSIS+10 
United Nations General Assembly
High-Level Meeting

**WE CAN
END POVERTY
2015**  **MILLENNIUM
DEVELOPMENT
GOALS**



Partnership on Measuring ICT for Development

- Global initiative to improve internationally comparable ICT statistics
- Main mechanism for the coordination of ICT statistics internationally (Steering Committee, Task Groups)
- Members: international and regional agencies involved in official ICT statistics



THANK YOU

More information

<http://www.itu.int/ict>

ITU data collection

Annual Questionnaires	Short WTI	IDI Telecom	Long WTI	ICT Price Basket	Short Household	IDI HH	Long Household
Addressee	Ministry of Innovation and Public Administration / National Agency on Information Society				INSTAT		
Format	Online	Online	Online	Online	Excel	Online	Excel
Date	March	April	July/Sept	Oct/Nov	March	April	June/July
# indicators	6	5	~ 70	~ 75	3	3	16 + class variables
Response Albania	YES	YES	Latest reply in 2012	YES	Not received ICT survey data from Albania		