United Arab Emirates

TRA
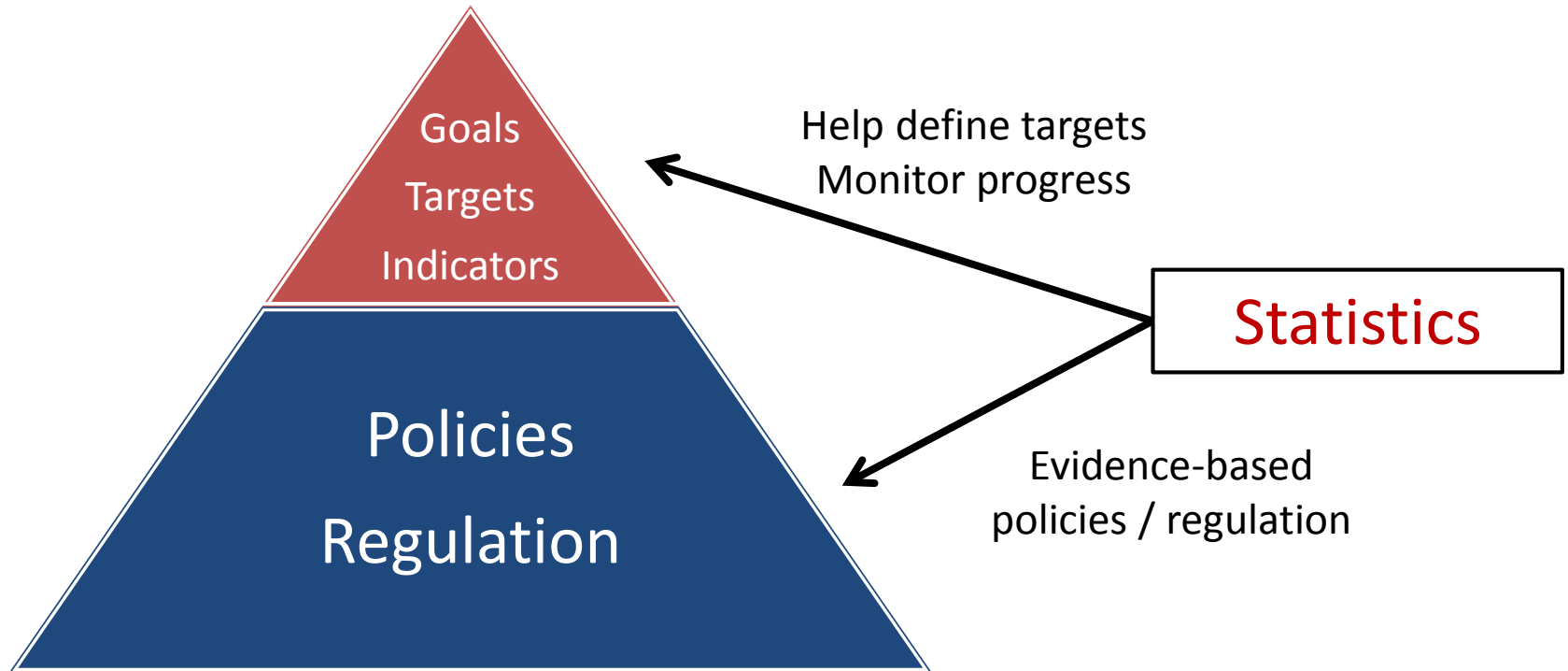TELECOMMUNICATIONS REGULATORY AUTHORITY

ITU

# ITU Regional Forum on ICT Measurement
# Dubai, 13-15 December 2016

# Overview of ITU's work on ICT measurement

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ITU/BDT

# Role of statistics in ICT policy making
## Why measuring?

# Importance of ICT statistics

| **National** | **International** |
|---|---|
| □ Overall monitoring of ICT developments | □ Benchmarking national vs. international ICT developments |
| □ Market analysis to inform regulatory/policy interventions | □ Monitoring global ICT development targets, e.g. Connect 2020 and Broadband Commission targets, WSIS+10, SDGs |
| □ Tracking of regulatory measures, e.g. licence obligations | □ Informing private investors (e.g. to attract FDI), international cooperation programmes, donors, the media |
| □ Monitoring of national ICT goals, e.g. broadband plans | |

# ITU statistics

**Collected from official sources**

**Include all countries/economies More than 100 indicators**
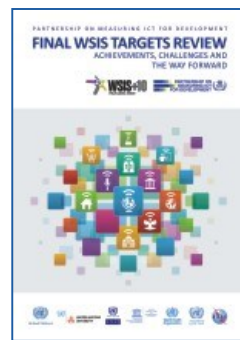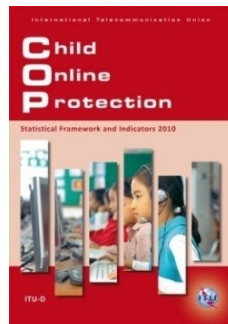
**Data are harmonized and comparable**

**ITU is the main source for global ICT statistics**
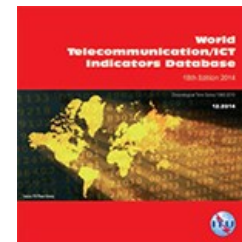
# ITU: Source for global ICT statistics

- 50 years of data collection and dissemination
- Development of statistical standards
- Data analysis and flagship research reports
- Global forum for exchange (WTIS, Expert Groups)
- Capacity development
- WSIS and SDG monitoring
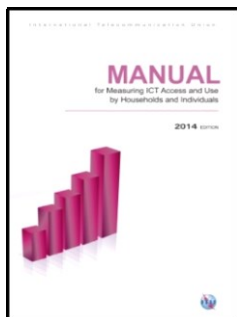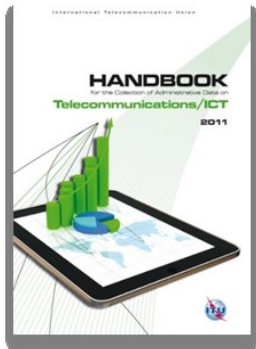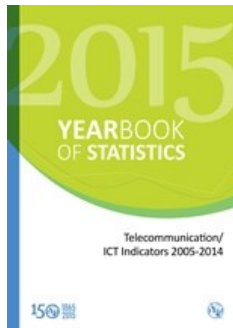
# ITU Statistics cover two sets of official data

**Administrative data**

**ITU Statistics**

**Survey data**

**Telecom statistics (infrastructure and access)** (annual questionnaire) **Source: Regulators/ Ministries**

**ICT Household Statistics (use of ICT)** (annual questionnaire) **Source: NSOs**
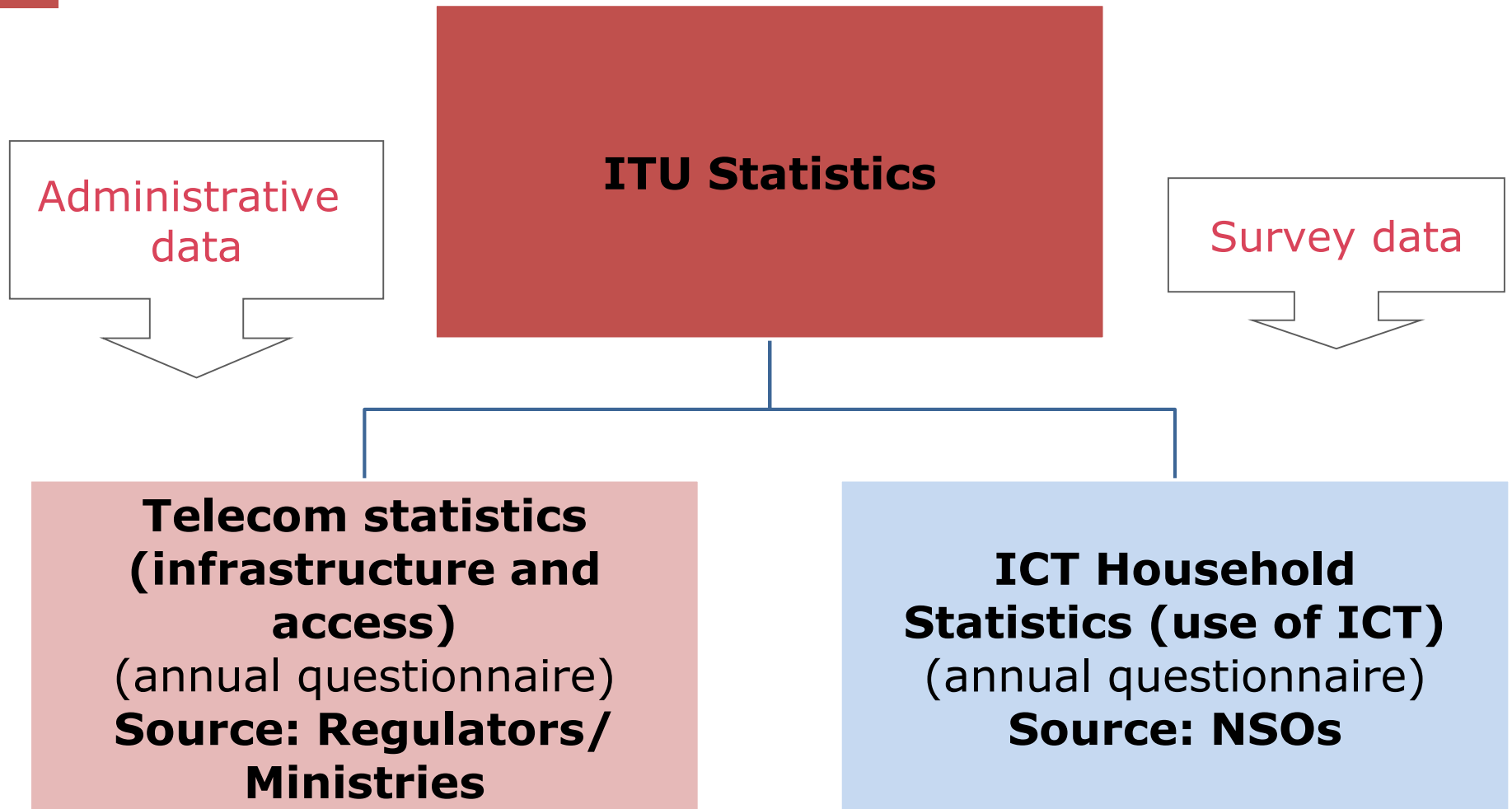
# Data collection and dissemination

## Collection of data

- Four annual questionnaires collecting more than 100 indicators

- Administrative data: ICT infrastructure, fixed/mobile telephony and broadband, TV, prices, traffic, investment, revenue

- Survey data: households with radio, TV, telephone, computer, Internet; individual usage of ICTs (by age, gender, level of education, urban/rural etc.)

- Sent to national ICT statistical focal points

## Dissemination of data

- WTI Database (2 editions per year – June and December)

- Online: ICT Eye, ITU Statistics website, IDI visualization tool, Google PDE, UN Data portal

- Regional and global reports; ITU Yearbook of Statistics; Little Data Book on ICT

- ICT Facts and Figures

- Direct requests from users (more than 1000 per year)

# Data collection and dissemination
## Main annual schedule

| When | What |
|------|------|
| ☐ February | ☐ WTI questionnaire (short) |
| ☐ March | ☐ HH questionnaire (short) |
| ☐ June | ☐ WTI Database |
| ☐ Until mid September | ☐ WTI questionnaire (long) |
| ☐ Until end October | ☐ HH questionnaire (long) |
| ☐ November | ☐ Price questionnaire |
| ☐ December | ☐ WTI Database |
| ☐ December | ☐ ITU Yearbook of Statistics |

# EGTI and EGH
## Defining indicators and developing international standards

- ☐ Expert Group on Telecommunication/ ICT Indicators (EGTI)
  - ☐ Since 2010
  - ☐ Around 700 members from 140 countries
- ☐ Expert Group on ICT Household Indicators (EGH)
  - ☐ Since 2012
  - ☐ Around 470 members from 125 countries
- ☐ Online discussion forum
- ☐ Face-to-face meeting
  - ☐ **4-7 October 2016, Geneva**
  - ☐ More than 100 participants from around 50 countries
- ☐ Report to WTIS for adoption
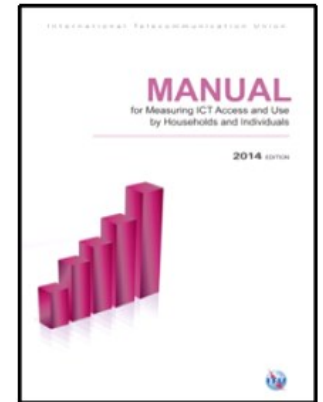
# Measuring the Information Society Report
## Main content – 8 editions

- Latest trends in ICT developments worldwide
  - Fixed, mobile, broadband, Internet, revenue, investment
  - Monitoring global goals (MDGs/SDGs, WSIS targets, Connect 2020)
- ICT Development Index (IDI)
  - IDI top performers and dynamic countries
  - Digital divide, regional analysis
- ICT prices and affordability
  - ICT Price Basket (IPB)
  - Prices of fixed and mobile voice and data
- Emerging trends
  - Big data, IoT, digital natives, gender, broadband, broadcasting
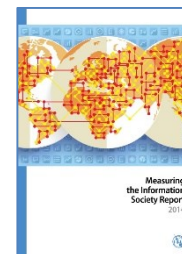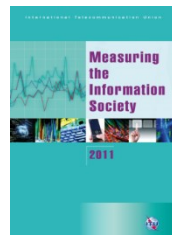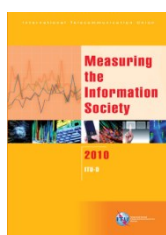
# World Telecommunication/ICT Indicators Symposium (WTIS)

- Main global event to discuss emerging ICT trends and the role of measurement

- High-level segment bringing together leaders from Government, industry, academia

- Presentation and adoption of the work of EGTI and EGH

- Agreed outcomes and recommendations for future work on ICT statistics
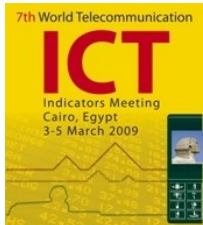
# Global goals and targets
## relevant to ICT monitoring

- ☐ WSIS goals and targets

- ☐ Connect 2020 goals and targets

- ☐ UN 2030 Agenda for Sustainable Development – SDGs and targets

- ☐ Broadband Commission targets

# SDG indicator framework



169 targets

231 indicators
(7 ICT indicators)

# International cooperation and partnerships

- International and regional organizations
  - Partnership on Measuring ICT for Development
- UN Statistical community
  - UN Inter-agency and Expert Group on SDG indicators (IAEG-SDG)
  - UN Global Working Group on Big Data for Official Statistics
- Private sector (big data)
- Broadband Commission for Digital Development

# Partnership on Measuring ICT for Development

# Thank you

For more information and data: www.itu.int/en/ITU-D/statistics