



# International Telecommunication Union

## **Joint UNCTAD-ITU-UNESCAP Workshop Information Society Measurements in Asia-Pacific Bangkok, 26-28 July 2006**

### **ITU data collection - overview (Core ICT indicators: basic access and infrastructure)**

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 **PARTNERSHIP ON  
MEASURING ICT  
FOR DEVELOPMENT**



# ITU Statistical Obligation: Why?

- As a United Nations agency, the ITU has an obligation to produce statistics covering its sector. This is in line with other specialized agencies that publish statistics covering their respective field of operations. This forms part of the global statistical system of the UN.
- Inside ITU, Resolution No. 8 (Istanbul, 2002) calls on the Director of the BDT “...to survey countries and produce world and regional reports, in particular on...world telecommunication development.”





# Data collection – Administrative sources

## HOW?

- Annual telecommunication Indicators questionnaire addressed to government agencies responsible from ICT/telecom (regulators or ministries) or operators
- Online research
- Annual reports
- **More than 200 economies**

## WHAT?

**(around 100 indicators)**

- Telephone network
- Mobile services
- Traffic
- Staff
- Quality of Service
- Tariffs
- Revenues & Investment
- Broadcasting
- Information Technology





# Basic ICT infrastructure and access indicators

## *Basic core*

- A-1 Fixed telephone lines per 100 inhabitants
- A-2 Mobile cellular subscribers per 100 inhabitants
- A-3 Computers per 100 inhabitants
- A-4 Internet subscribers per 100 inhabitants
- A-5 Broadband Internet subscribers per 100 inhabitants
- A-6 International Internet bandwidth per inhabitant
- A-7 Percentage of population covered by mobile cellular telephony
- A-8 Internet access tariffs (20 hours per month)
- A-9 Mobile cellular tariffs (100 minutes of use per month)
- A-10 Percentage of localities with public Internet access centres

## *Extended core*

- A-11 Radio sets per 100 inhabitants
- A-12 Television sets per 100 inhabitants





# Basic access core indicators - why?

- Availability of infrastructure to use ICTs
  - Telephone (mobile, fixed)
  - Computer
- Affordability
  - Mobile cellular tariffs
  - Internet access tariffs
- Quality of service
  - International Internet bandwidth
  - Broadband Internet subscribers
- Universal access
  - Percentage of population covered by mobile telephony
  - Percentage of localities with Public Internet Access Centres (PIACs) by number of inhabitants (rural/urban)



## ICT Households and individuals statistics

- Agreed in February 2005
- ITU to collect and disseminate available data, including data in international database
- Availability (access) of ICT in household data were first published in 2003, then in March 2006
- To collect more usage ICT household indicators and publish by end of 2006
- To work with partners to enhance capacity of countries to collect and disseminate ICT household and individual statistics



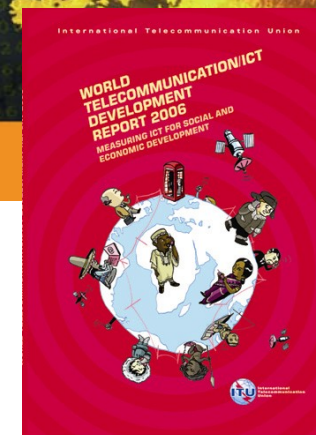
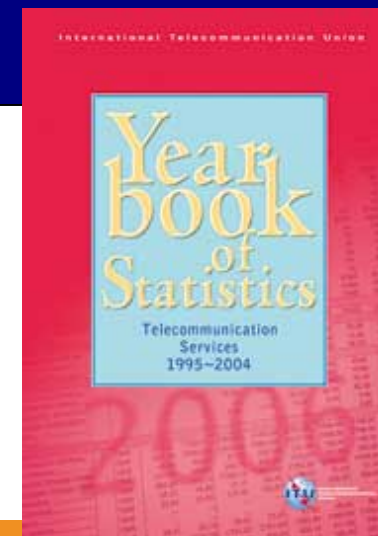
# Data Collection – Challenges

1. Not all countries return the questionnaires
2. Not all questions get answered
3. More work to aggregate operators' data since the fall of monopoly
4. Operators data or annual reports sometimes not available
5. Newer telecom/ICT data hard to obtain from developing countries
6. Some information collected doesn't meet the ITU definition



# Data dissemination

1. Yearbook of Statistics (July 2006)
2. World Telecommunication Indicators (WTI) database (August 2006)
3. World Telecommunication Development Report (March 2006)
4. Regional Telecommunication Indicators reports (various)
5. WTI tables publication (December 2006)
6. Case studies (ex. Hong Kong and Australia)
7. Free statistics (<http://www.itu.int/ITU-D/ict/statistics/>)
8. Requests through email, telephone, fax







# World Telecommunication Indicators Meeting

- 5<sup>th</sup> meeting, conducted every two years
- Last held in February 2005
- 11-13 October 2006, Geneva
- Participants from telecom/ICT ministries, regulators, operators, NSO, analysts and other users of ITU statistics
- To update ITU World Telecommunication Indicators Handbook
- <http://www.itu.int/ITU-D/ict/conferences/>

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**ICT INDICATORS**

Through its [World Telecommunication Indicators](#), the ITU's Market, Economics and Finance (MEF) Unit is recognized as the main source of global, and internationally comparable, ICT/telecommunication statistics.

**PARTNERSHIP ON MEASURING ICT FOR DEVELOPMENT**

To coordinate and improve statistical measurements of ICT on a global level, ITU, with other organizations, created the [Partnership on Measuring ICT for Development](#). The multi-stakeholder Partnership has made important steps in developing a coherent approach to advance the development of ICT indicators globally, and in particular in developing countries.

**ITU helps track the Millennium Development Goals (MDG)**

ITU has the mandate to measure Target 18 (part of Goal 8) of the [Millennium Development Goals](#): 'In cooperation with the private sector, make available the benefits of new technologies, especially information and communications'. Specifically, ITU is monitoring:

- ▶ total telephone subscribers per 100 inhabitants,
- ▶ personal computers per 100 inhabitants, and

**LATEST**

- ▶ [Yearbook of Statistics](#), **New !**  
[Chronological time series 1995-2004](#)
- ▶ [World Telecommunication Indicators Database](#)  
**Last update 20 April 2006**
- ▶ [World Telecommunication/ICT Development Report 2006: Measuring ICT for social and economic development](#)

**PUBLICATIONS: DATA & ANALYSIS**

Besides its [World Telecommunication Indicators Database](#), the MEF Unit also publishes a number of analytical [reports](#) on national, regional, and global ICT/telecommunication developments:

- [World Telecommunication Indicators 2004/2005](#)
- **FREE** - [Measuring ICT: the global status of ICT indicators](#)
- **FREE** - As part of the 'From the Digital Divide to Digital Opportunities' Publication, ITU and Orbicom publish [ICT Opportunity Index](#)



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