Progress in Measuring ICT for Development

Susan Teltscher
Head, Market Information and Statistics Division
Telecommunication Development Bureau
Measuring ICT for development

- Measuring ICT access
- Measuring ICT use
- Measuring ICT impact
- Benchmarking ICT and measuring the digital divide
- Work of the Partnership
Measuring ICT access

Source: ITU

Note: *Estimates.
The broadband divide

Fixed broadband

Source: ITU

Mobile broadband

Source: ITU
Measuring ICT access: data availability

Proportion of countries where data on selected ICT are available, 2007

- Fixed telephone lines: 75%
- Mobile cellular subscriptions: 87%
- Estimated Internet users: 81%
- Fixed broadband subscribers: 69%
- % households with Internet: 29%

Source: ITU
Measuring ICT use

- ICT use by households
- ICT use by individuals
- ICT use by businesses
- ICT use by workers
- ICT use by public entities (government, education, health, etc.)
Measuring ICT use: data limitations

Percentage of countries where data on "proportion of households with Internet access at home" are available, by region

- Africa: 26%
- Asia: 37%
- Latin America & Caribbean: 47%
- Europe and North America: 90%

Percentage of countries where data on "proportion of businesses using the Internet" are available, by region

- Africa: 7%
- Asia: 26%
- Latin America & Caribbean: 17%
- Europe & North America: 60%

Source: ITU and UNCTAD
Benchmarking the information society

- **ICT Development Index (IDI)**
- Launched in March 2009
- Monitors progress in ICT (2002-2007) for 150 countries, 11 indicators
- Measures the digital divide

→ Need accurate and comparable statistics

www.itu.int/ict
Measurement gaps

- Data on ICT use in developing countries
- Data that are representative for the entire country (not case studies)
- Data disaggregated by gender, urban/rural, education, employment
- Measuring ICT impact: requires micro-level data on ICT use
Measurement challenges

- Lack of coordination among stakeholders at the national level (ICT policy makers, statisticians)
- Lack of awareness concerning the specific data needs and data quality
- Lack of human and financial resources
Partnership on Measuring ICT for Development

- Global initiative to improve ICT statistics
- Response to WSIS call to measure the information society
- WSIS Tunis Agenda: Follow up and evaluation
- Five years of successful cooperation (launched in June 2004 at UNCTAD XI, Brazil)
Core list of ICT indicators

- Endorsed by UN Statistical Commission
- Revision and extension of core list

Infrastructure (9)
Household and individuals (13)
Businesses (12)
ICT sector and ICT trade (4)
ICT in education (9)
Partnership Steering Committee

- ITU, UNCTAD, ECLAC

Partnership Task Groups

- E-Government - ECA
- Database Development – World Bank
- Capacity Building - UNCTAD
- Education (finished) - UIS
- Measuring impact (new) - OECD
Capacity building

- Regional and national workshops
- Technical assistance missions
- Two Manuals and training courses
Future Agenda

- Capacity building
- UN Statistical Commission 2010
- Data dissemination
- E-government indicators
- **Measuring impact**
- Global event 2010?
11 Members (May 2009)

International level

ITU
OECD
UNCTAD
UNESCO Institute for Statistics
World Bank

Regional level

ECA
ECLAC
ESCAP
ESCWA
Eurostat

New member: UN DESA

Strong institutional commitment
Memorandum of Understanding
For further information

indicators[at]itu.int

www.itu.int/ict

measuring-ict.unctad.org