



**ICT and E-Business Branch**

**UNCTAD – United Nations Conference on Trade and Development**

**ITU-UNESCAP-APT Capacity Building Workshop  
Information Society Statistics: Core ICT Indicators  
Bangkok, 6-8 November 2007**

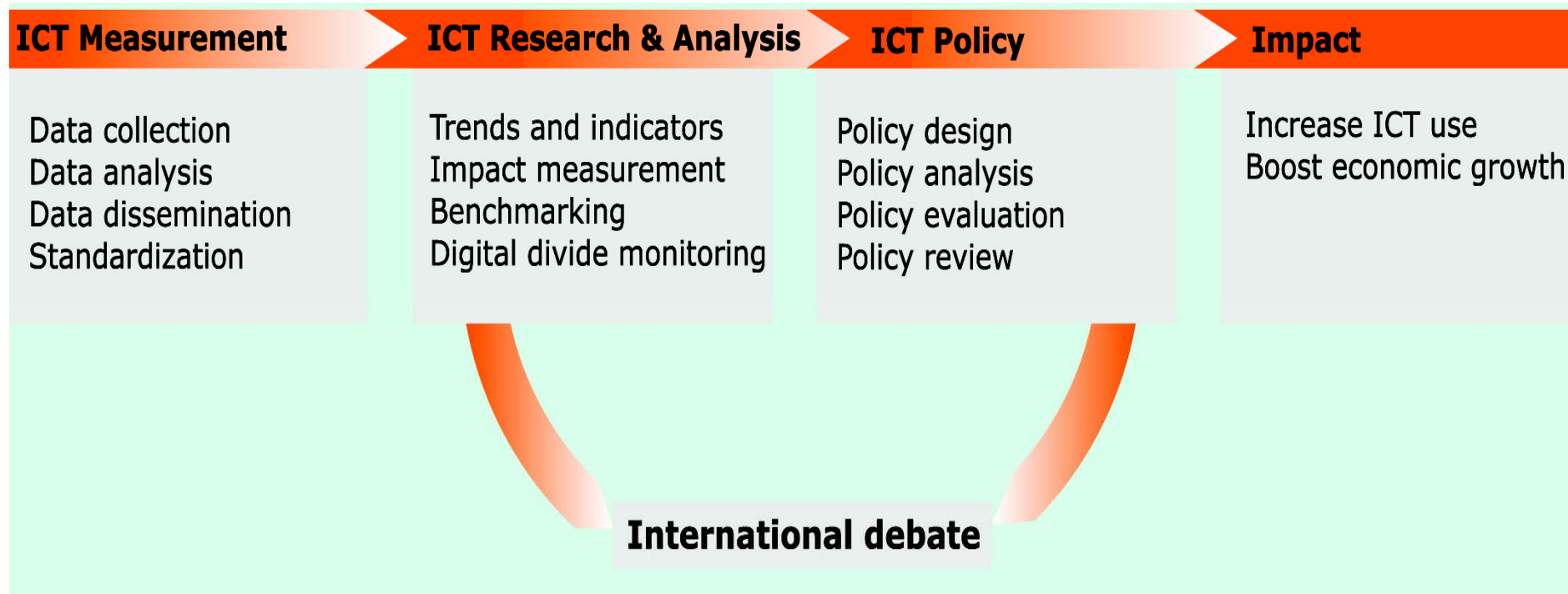
## ***UNCTAD and ICT measurement***



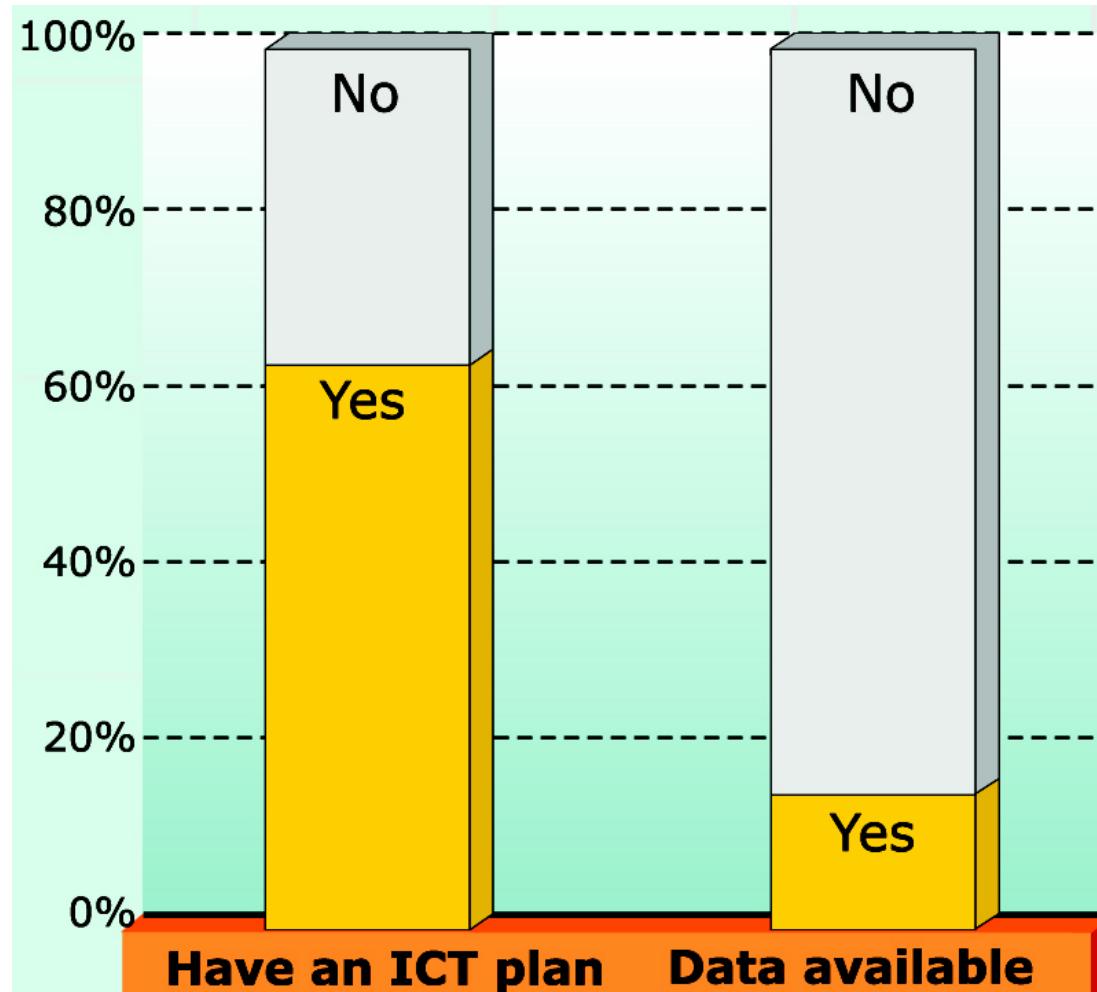
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ICT and E-Business Branch, SITE  
UNCTAD*



# UNCTAD and ICT for Development



# The data gap in developing countries



Source: UNCTAD (2006)



# UNCTAD and ICT measurement

- ✓ Develops internationally comparable **indicators** on ICT in business
- ✓ Collects data and maintains an ICT **database**
- ✓ **Analyses and disseminates** ICT statistics and information for policy making
- ✓ Provides **technical assistance** to help build ICT statistical capacity and review national ICT policies
- ✓ Contributes to the **Partnership**

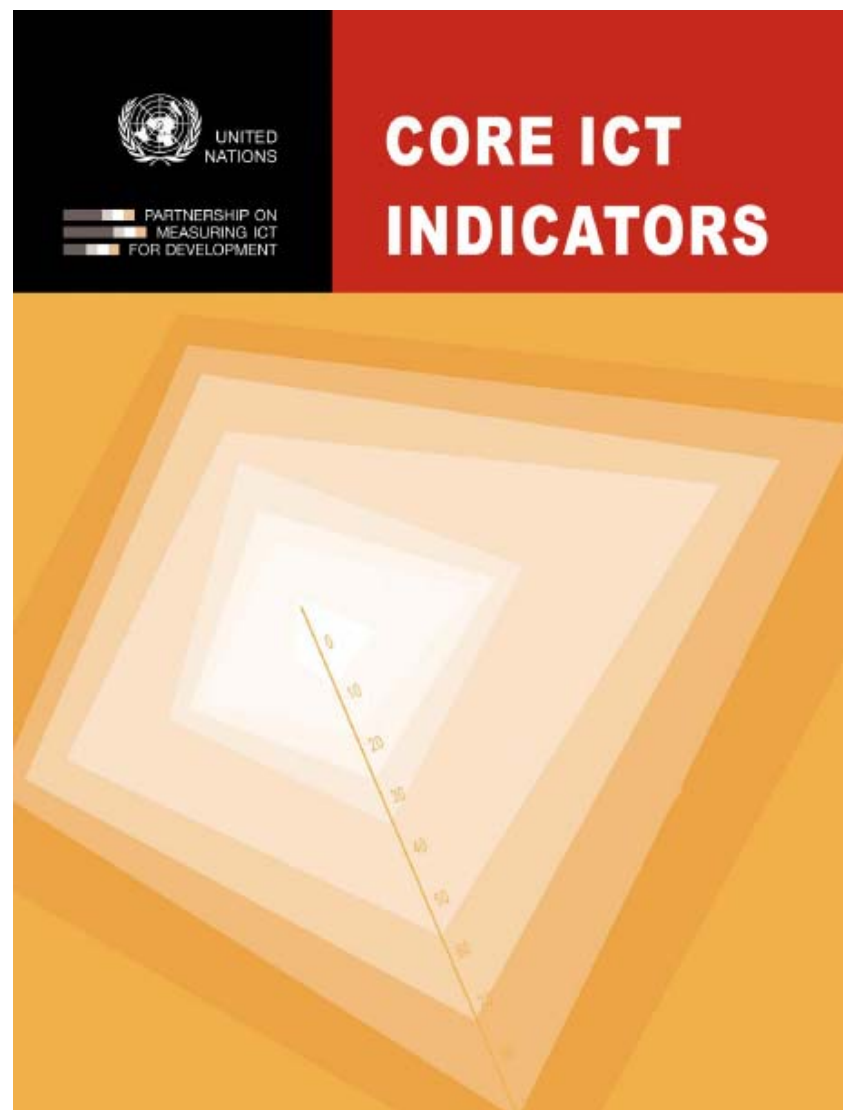


# Partnership core list of ICT indicators

Definitions, model questions,  
methodologies:



<http://measuring-ict.unctad.org>



# Partnership core list of ICT indicators

<i>Set of indicators</i>	<i>Basic core</i>	<i>Extended core</i>	<i>Reference</i>	<i>Total</i>
ICT infrastructure and access	10	2		12
ICT access and usage by households and individuals	10	3	1	14
ICT usage by businesses	8	4		12
ICT sector and trade in ICT goods	4			4
<b>Total</b>	<b>32</b>	<b>9</b>	<b>1</b>	<b>42</b>



# International ICT business data collection

- **OECD**: ICT business data for OECD member countries
- **Eurostat**: ICT business data for EU
- **UNCTAD**: **ICT business data for all member countries**
- **Others** (WB, regional bodies, private providers)



# UNCTAD data collection

## Annual survey with NSOs

- **2004 – 2006:** selected developing countries
- **As of 2007:** all UNCTAD members countries (except EUROSTAT members)
- Data often not comparable or representative



**Core indicators on ICT use in enterprises and the ICT sector in UNCTAD ICT database**







UNCTAD

**Questionnaire on ICT usage by enterprises  
and on the ICT sector**

**Please fill in the information below:**

Country:	Please choose a country!
Date:	
Organisation:	
Name of Respondant:	
Address:	
Postbox:	
Postal code:	
City:	
Telephone:	
Fax:	
E-mail:	

UNCTAD is collecting official statistical data on the use of ICTs in enterprises from national statistical offices in developing countries. The information will feature in UNCTAD's annual *Information Economy Report (IER)* 2007/2008.



# UNCTAD questionnaire – main sheets

- Survey information (data sources)
- 1a) ICT usage indicators – *size scope*
- 1b) ICT usage indicators – *geographic scope*
- 1c) ICT usage indicators – *industrial classification*
- 2a) ICT sector indicators – *workforce*
- 2b) ICT sector indicators – *value added*
- Notes



# UNCTAD data collection

## What we have learned

### Comparability:

- Lack of continuity in data collection (one-off surveys)
- Differences in types of surveys, sampling units, frames, sizes, denominator
- Differences in response categories (e.g. modes of access and activities the Internet is used for)
- Metadata as important as statistical data

### Availability:

- Lack of coordination between Government entities



# UNCTAD data collection

## ICT business indicators are still scarce in developing countries

- ✓ Only a **small number** of developing countries collect ICT business indicators – but growing
- ✓ Most countries collect **basic access indicators** (availability of computer, Internet and Website)
- ✓ Data collection is mainly **through manufacturing and services establishment surveys**, which most NSOs already have in place
- ✓ More advanced indicators are collected through stand-alone **ICT surveys**



# UNCTAD data collection

## Considerations at the policy level

- Long-term process: start early (start small)
- Awareness creation among policy makers
- Link ICT agenda with e-measurement agenda both nationally and internationally (follow-up to WSIS)



# UNCTAD data collection

## Considerations at the technical level:

- Coordination among national statistical systems
- Use core list as a starting point (add questions to existing surveys)
- Use agreed-upon definitions and indicators – need to harmonize results
- **Capacity building in NSOs:** definitions and methodologies; survey implementation and data collection; database development and analysis



# UNCTAD data dissemination

Results published in the annual:



## ***Information Economy Report (IER)***

- Trends and figures
- Policy analysis
- Business sector analysis

<http://www.unctad.org/ecommerce/>

# New Website launched February 2007

## measuring-ict.unctad.org



- ✓ **Statistical data**
- ✓ **Country info**
- ✓ **Technical resources**
- ✓ **Partner info**





# measuring-ict.unctad.org

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ICT Indicators for Development

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Welcome to the Measuring ICT Website

### Highlights

- UNCTAD data collection
- Collaboration with the Thai NSO
- ICT at the UN Statistical Commission

## Welcome to the Measuring ICT Website



UNCTAD member States recognize that it is crucial to assess the state of use and impact of ICTs in developing countries. By using comparable and reliable data and indicators on their information societies, Governments can formulate and evaluate policies that will maximize the benefits of ICT for the development of their countries.

At the national level, more and more countries are measuring ICT. UNCTAD helps developing countries find ways to monitor and measure overall digital economy developments and ICT use.

At the international level, the measurement of ICT diffusion and impact is a subject of inter-agency cooperation, notably through the Partnership on Measuring ICT for Development.

### Private area

Name

Password  [Register](#) | [Help](#)

### Quick links

- Measuring ICT for policy making
- UNCTAD's Work on ICT Measurement
- About this Website

### Documents

- Measuring ICT: The Global Status of ICT Indicators, Partnership on Measuring ICT for Development, 2005, 3249Kb



# measuring-ict.unctad.org

The screenshot displays the website's interface. At the top, there are navigation links: My Settings | Contacts | Page index | Latest updates | Search | Sitemap. The main header features the UNCTAD logo, the text "Measuring the information society" with a stylized '@' symbol, and "ICT Indicators for Development". Below this is a secondary navigation bar with links: Home | About | Partnership | Data | Countries | Organizations | Events. A search bar is located on the right side of this bar. The main content area shows a breadcrumb trail: Welcome to the Measuring IC... / Data / UNCTAD Data. On the left, a "Data" menu lists: UNCTAD Data, ITU Data, OECD Data, and Eurostat Data. The "UNCTAD Data" item is circled in red, and a red arrow points to the main content area. The main content area is titled "UNCTAD Data" and contains the text "Highlights of the annual UNCTAD survey:" followed by a bulleted list of indicators. On the right, there is a "Private area" login form with fields for Name and Password, and buttons for Login, Register, and Help. At the bottom right, it says "Last updated: 13 February 2007 09:55".

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Measuring the information society

ICT Indicators for Development

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Welcome to the Measuring IC... / Data / UNCTAD Data

Search

Data

UNCTAD Data

ITU Data

OECD Data

Eurostat Data

UNCTAD Data

Highlights of the annual UNCTAD survey:

- Core indicators on use of ICT by businesses and on the ICT sector, selected economies, 2005, or latest year (table 1, table 2, notes);
- Exports of ICT-enabled services by country, 2000-2003 (million \$);
- Exports of ICT-enabled services by sector and country, 2003 (million \$);
- Exports of computer and information services by country, 2000-2003 (\$).

Private area

Name

Login

Password

Register | Help

Last updated: 13 February 2007 09:55



# UNCTAD technical assistance 2006-08

UNCTAD assists statistical agencies in developing countries in the production of ICT statistics via:

- **Advisory services** and missions to countries
- ✓ A specialized **training course** on ICT business statistics
- ✓ A technical ***Manual for the production of statistics on the information economy***
- ✓ **Workshops** at the regional and global levels.

**UNCTAD leads the Partnership Task Group on Capacity Building**





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***Thank you***

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*[www.unctad.org/ecommerce](http://www.unctad.org/ecommerce)*

