Joint UNECA-ITU-UNCTAD Workshop
Information Society Measurements in Africa
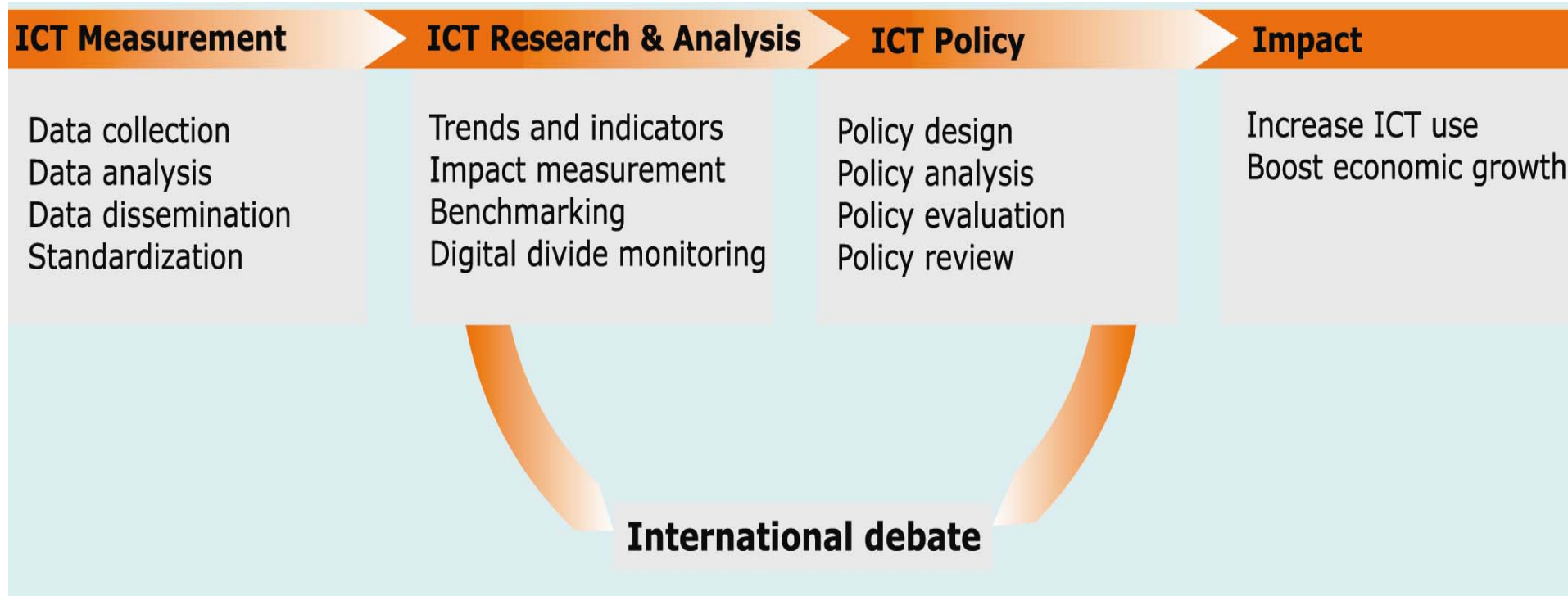**Addis Ababa, 7-9 March 2007**

UNCTAD and ICT measurement

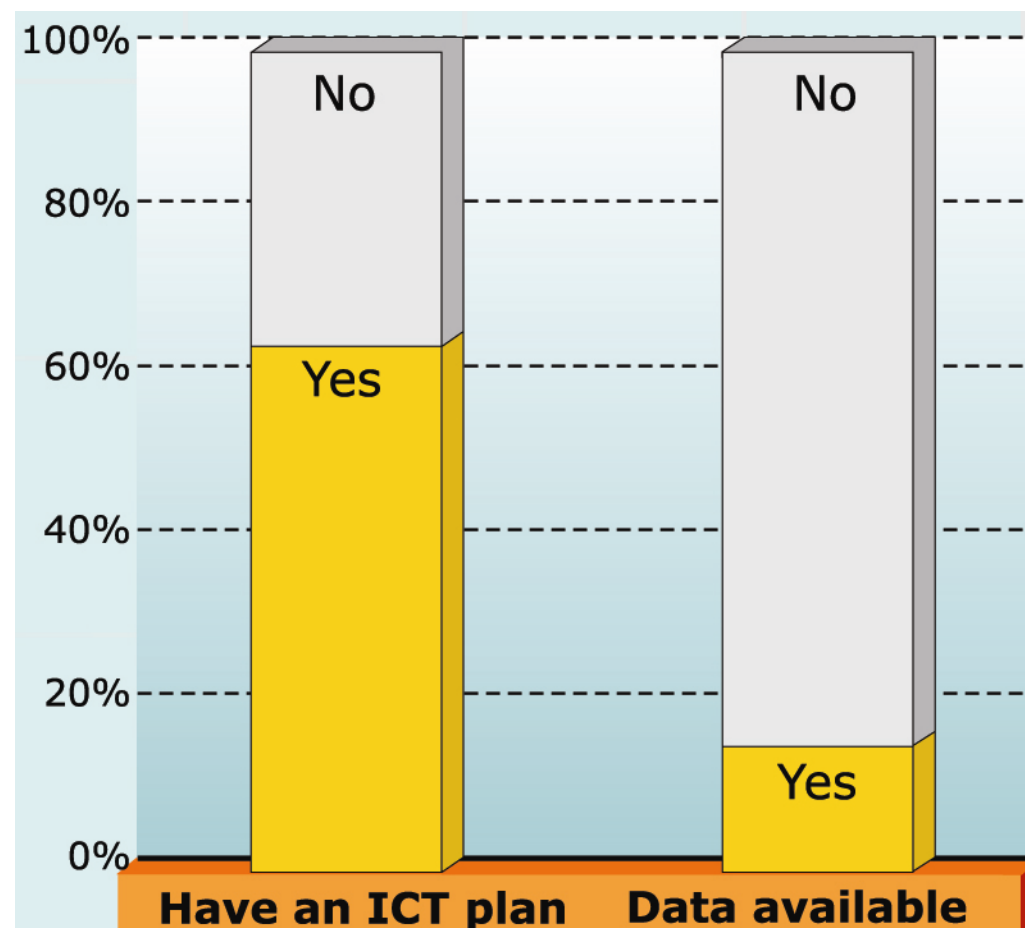*Dr. Susan Teltscher*
Chief, ICT Policy and Analysis Unit
ICT and E-Business Branch, SITE
UNCTAD

UNCTAD and ICT for Development

ICT Measurement	ICT Research & Analysis	ICT Policy	Impact
Data collection Data analysis Data dissemination Standardization	Trends and indicators Impact measurement Benchmarking Digital divide monitoring	Policy design Policy analysis Policy evaluation Policy review	Increase ICT use Boost economic growth

International debate

Bridging 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 a **database**

✓ **Disseminates** timely **information**

✓ Provides **technical assistance** to help build ICT statistical capacity (advisory missions, training, technical workshops)

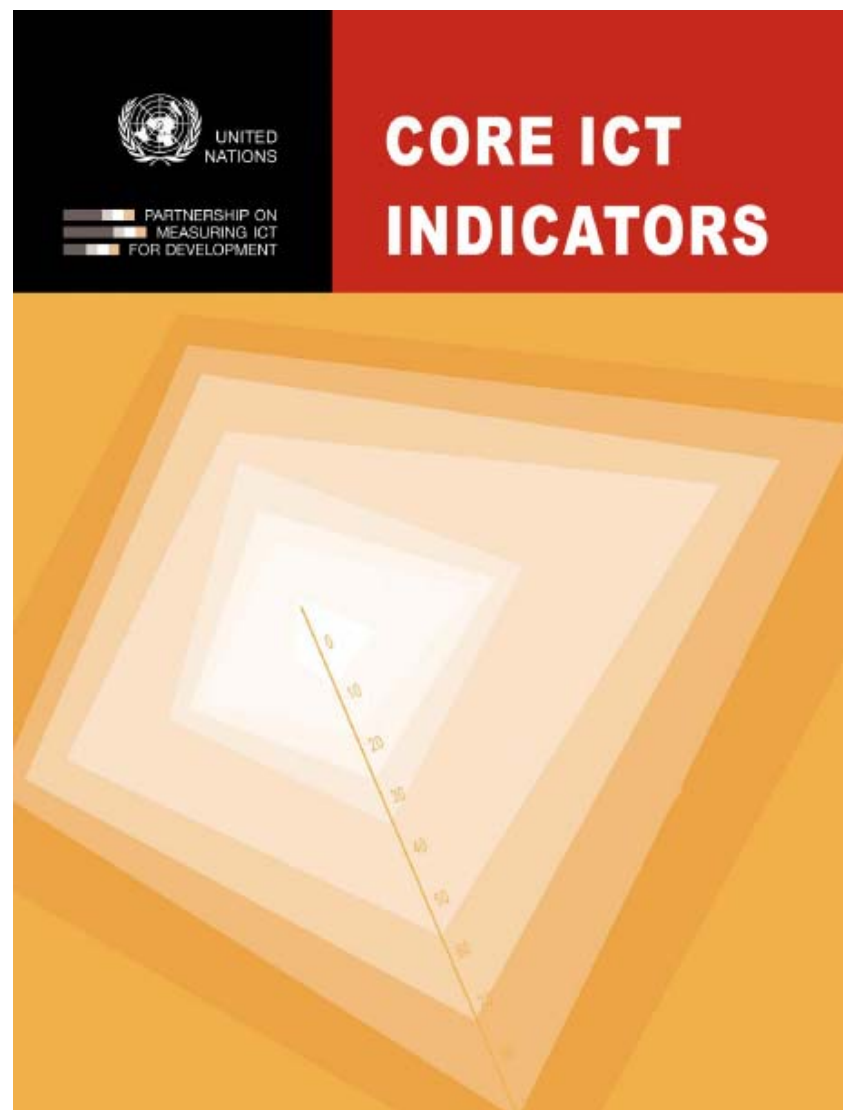**UNCTAD leads the Partnership Task Group on Capacity Building**

PARTNERSHIP ON
MEASURING ICT
FOR DEVELOPMENT

Core list of ICT indicators

Definitions, model questions, methodologies:

PARTNERSHIP ON
MEASURING ICT
FOR DEVELOPMENT

http://measuring-ict.unctad.org

Core list of ICT indicators

Set of indicators	Basic core	Extended core	Reference	Total
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
Total	32	9	1	42

International ICT business data collection

- ➢ OECD: ICT business data for OECD member countries

- ➢ Eurostat: ICT business data for EU

- ➢ **UNCTAD: ICT business data for developing countries**

- ➢ Others (WB, regional bodies, private providers)

UNCTAD data collection

Annual survey with developing country NSOs

- ➢ **2004:** 23 countries – 10 comparable results
- ➢ **2005:** 39 countries – 19 comparable results

- ➢ **2006:** 60 countries – 34 responses (57%) of which 4 only on ICT sector, 23 comparable results (for some indicators) (38%) *(African region: Cameroon, Gambia, Maurititus, Morocco)*

- ➢ **2007:** all developing countries (ongoing)

➡ **Core indicators** on **ICT use in enterprises** and the **ICT sector**

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)

Availability:

➢ Lack of coordination between Government entities

UNCTAD data collection

ICT business indicators are scarce in developing countries

- ✓ Only *small number* of developing countries currently collect ICT business indicators

- ✓ 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 specific *ICT surveys*

UNCTAD database

- UNCTAD Information Economy Database

- MS Access-based, compatible with UNCTAD questionnaire

- All UN member countries

- Core list of ICT business indicators, ICT sector, ICT trade

- Country information back to 2001 (if available)

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

measuring-ict.unctad.org

measuring-ict.unctad.org

UNCTAD technical assistance 2006-08

➢ Assisting statistical agencies in developing countries in their ICT data collection and dissemination efforts, via advisory missions;

✓ Developing and delivering a specialized training course and a methodological manual (2007);

✓ Conducting technical workshops at the regional level.

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Thank you

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www.unctad.org/ecommerce