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Results of stocktaking, core ICT indicators, and assistance to developing countries

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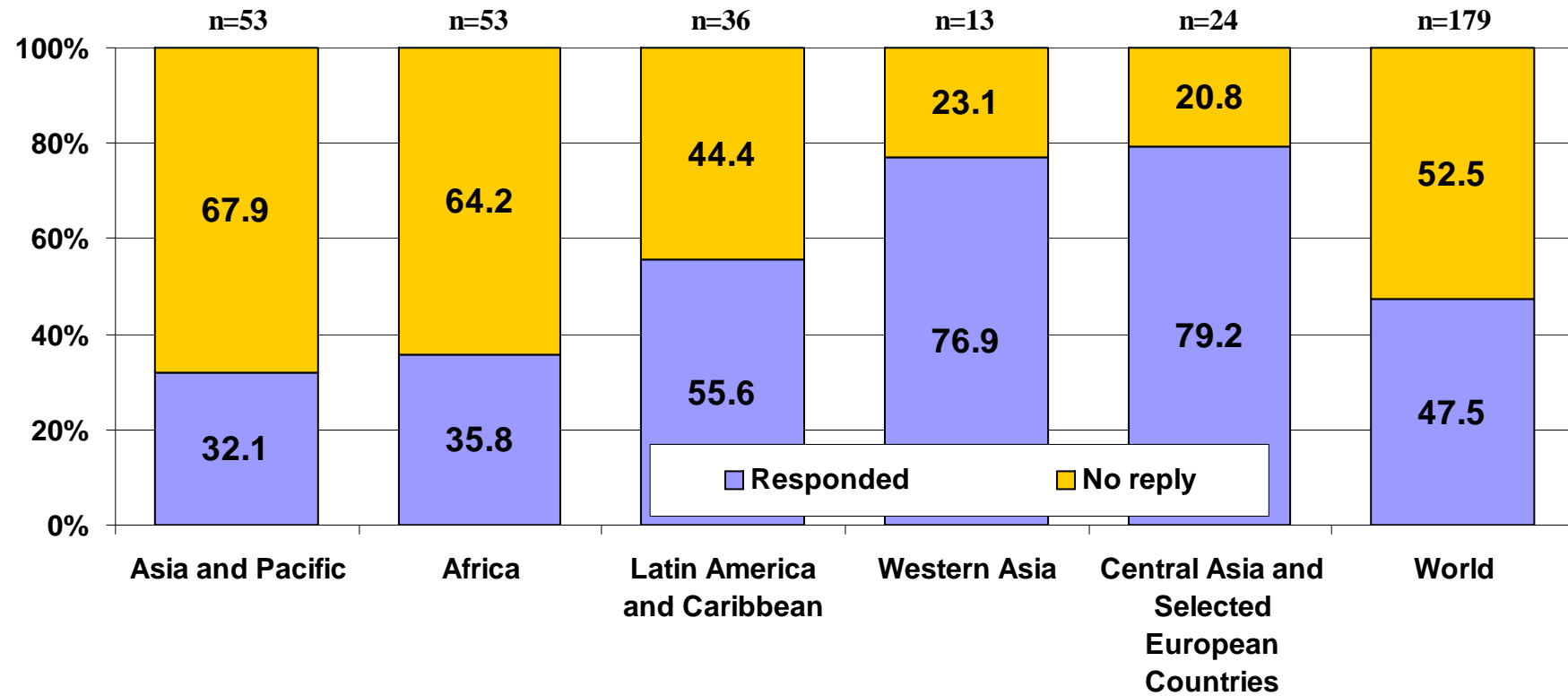➢ **ICT data are scarce in developing countries**

Global ICT Indicators Stocktaking:
Africa, Asia-Pacific, Latin America-Caribbean, Central-Eastern Europe, Western Asia

➡ Metadata survey (household and business) to NSOs July/August 2004 (UN RCs, UNCTAD)

➡ Types of indicators collected/planned (list of 20 each for household and business surveys)

Distribution of stocktaking responses

Proportion of countries collecting household ICT indicators

Type of indicator	Indicators	Africa	Latin America and Caribbean	Asia-Pacific	West Asia	Central Asia and CEE countries	OECD
Basic access to ICT (presence of ICTs in household)	1) electricity	89	95	**94**	90	84	4
	2) radio	84	80	**67**	80	68	4
	3) fixed telephone	74	100	**83**	90	84	21
	4) mobile phone	53	95	**78**	70	68	79
	5) TV	74	100	**78**	80	79	82
	6) computer	47	100	**83**	80	74	89
	7) Internet	31	100	**61**	60	42	89
Internet access	8) Methods of access	21	30	**33**	10	21	86
	9) Location of frequent use	21	40	**33**	0	16	79
	10) Frequency of Internet use	26	35	**33**	20	21	82
ICT usage	11) Purposes of PC use	26	25	**33**	30	26	21
	12) Purposes of Internet use	21	25	**33**	30	32	75
	13) Concrete services / activities the Internet is used	10	25	**17**	20	21	79
	14) Languages of visited Internet sites	5	0	**6**	0	0	0
	15) Types of products/ services purchased over the	5	20	**17**	0	16	71
	16) Value of purchased goods/ services over the	0	15	**17**	0	16	43
Barriers to usage	17) Barriers to PC usage	16	10	**6**	10	11	0
	18) Barriers to Internet usage	10	15	**17**	10	5	57
	19) Barriers to purchase over the Internet	0	15	**11**	0	16	57
	20) Geographic location where the Internet goods are purchased	0	10	**6**	0	5	0

Proportion of countries collecting business ICT indicators

Type of indicator	Indicators	Africa	Latin America and Caribbean	Asia-Pacific	West Asia	Central Asia and CEE countries	OECD
Basic access to ICT	1) Fixed telephone	47	40	**56**	40	53	4
	2) Mobile devices	26	40	**56**	10	58	11
	3) Presence of computers	32	35	**39**	20	32	89
	4) Number of computers	32	20	**33**	10	32	4
	5) Presence of Internet access	32	55	**56**	10	58	89
Advanced ICT access and usage	6) Type of Internet access	26	25	**33**	0	32	86
	7) Local network	21	25	**22**	0	26	82
	8) Website	37	50	**33**	0	26	89
	9) ICT investment	21	15	**28**	0	32	21
	10) Share of employees using a computer	16	15	**22**	0	37	79
	11) Share of employees using the Internet	16	10	**17**	0	26	79
Internet activities and e-commerce	12) Services the Internet is used for	11	20	**28**	10	21	89
	13) Value of purchases	16	15	**6**	0	16	61
	14) Value of sales	26	25	**6**	0	16	86
	15) Customer group	11	10	**6**	0	11	71
	16) ICT training	21	20	**6**	0	5	64
Barriers to usage	17) Barriers to computer use	21	10	**28**	0	11	0
	18) Barriers to Internet use	16	5	**22**	0	16	4
	19) Barriers to e-commerce	11	10	**11**	0	11	75
	20) Geographic location of sales	5	0	**6**	0	16	64

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

- **Most countries collect basic access indicators (availability of telephone, computer or Internet)**

- **More advanced indicators are collected through specific ICT surveys**

- **Those which have started to collect some indicators actively plan to collect more in the near future – high demand**

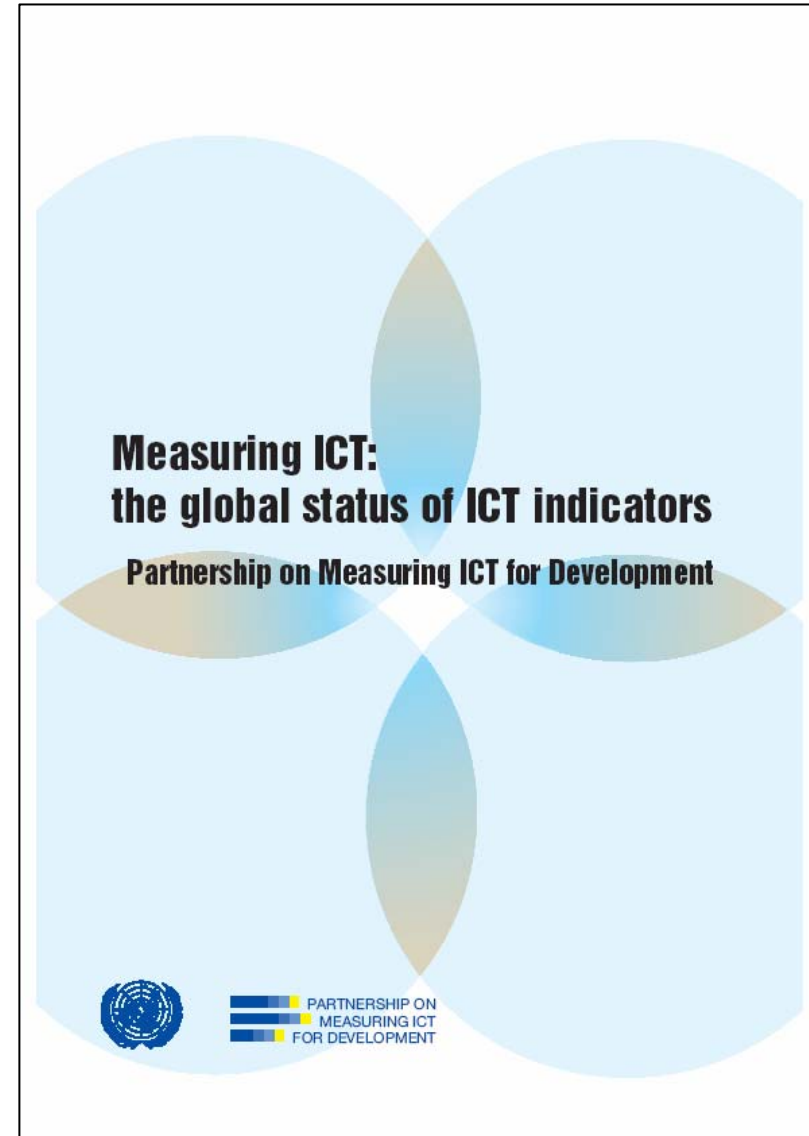- **Regional variations - highest number of indicators collected in Asia-Pacific and Central Asia/CEE, few in LDCs**

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Results published in:

measuring-ict.unctad.org

www.itu.int/ict

Measuring ICT:
the global status of ICT indicators
Partnership on Measuring ICT for Development

- **Results of stocktaking and of regional workshops (regional core lists)**

- **OECD countries - emerging consensus on definitions and methodologies**

- **First proposal sent to all NSOs (December 2004)**

- **Final proposal based on feedback (NSOs, Partners, experts), as an input to WSIS Thematic Meeting**

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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 access and usage by businesses	8	4		12
ICT sector	4			4
Total	32	9	1	42

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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

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Basic core

HH-1 Proportion of households with a radio

HH-2 Proportion of households with a TV

HH-3 Proportion of households with a fixed line telephone

HH-4 Proportion of households with a mobile cellular telephone

HH-5 Proportion of households with a computer

HH-6 Proportion of individuals that used a computer

HH-7 Proportion of households with Internet access at home

HH-8 Proportion of individuals that used the Internet

HH-9 Location of individual use of the Internet

HH-10 Internet activities undertaken by individuals

Extended core

HH-11 Proportion of individuals with use of a mobile telephone

HH-12 Proportion of households with access to the Internet by type of access from home

HH-13 Frequency of individual access to the Internet in the last 12 months

Reference indicator

HH-R1 Proportion of households with electricity

Basic core

B-1 Proportion of businesses using computers

B-2 Proportion of employees using computers

B-3 Proportion of businesses using the Internet

B-4 Proportion of employees using the Internet

B-5 Proportion of businesses with a website

B-6 Proportion of businesses with an intranet

B-7 Proportion of businesses receiving orders over the Internet

B-8 Proportion of businesses placing orders over the Internet

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Extended core

B-9   Proportion of businesses accessing the Internet by modes of access

B-10 Proportion of businesses with a Local Area Network (LAN)

B-11 Proportion of businesses with an extranet

B-12 Proportion of businesses using the Internet by type of activity

- Internet e-mail
- Getting information
  - About goods or services
  - From government organisations/public authorities via websites or e-mail
  - Other information searches or research activities
- Performing Internet banking or accessing other financial services
- Dealing with government organisations/public authorities
- Providing customer services
- Delivering products online

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Basic core

ICT-1 Proportion of total workforce involved in the ICT sector

ICT-2 Value added in the ICT sector

ICT-3 ICT goods imports as percentage of total imports

ICT-4 ICT goods exports as percentage of total exports

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Definitions, model questions, methodologies:

measuring-ict.unctad.org

www.itu.int/ict
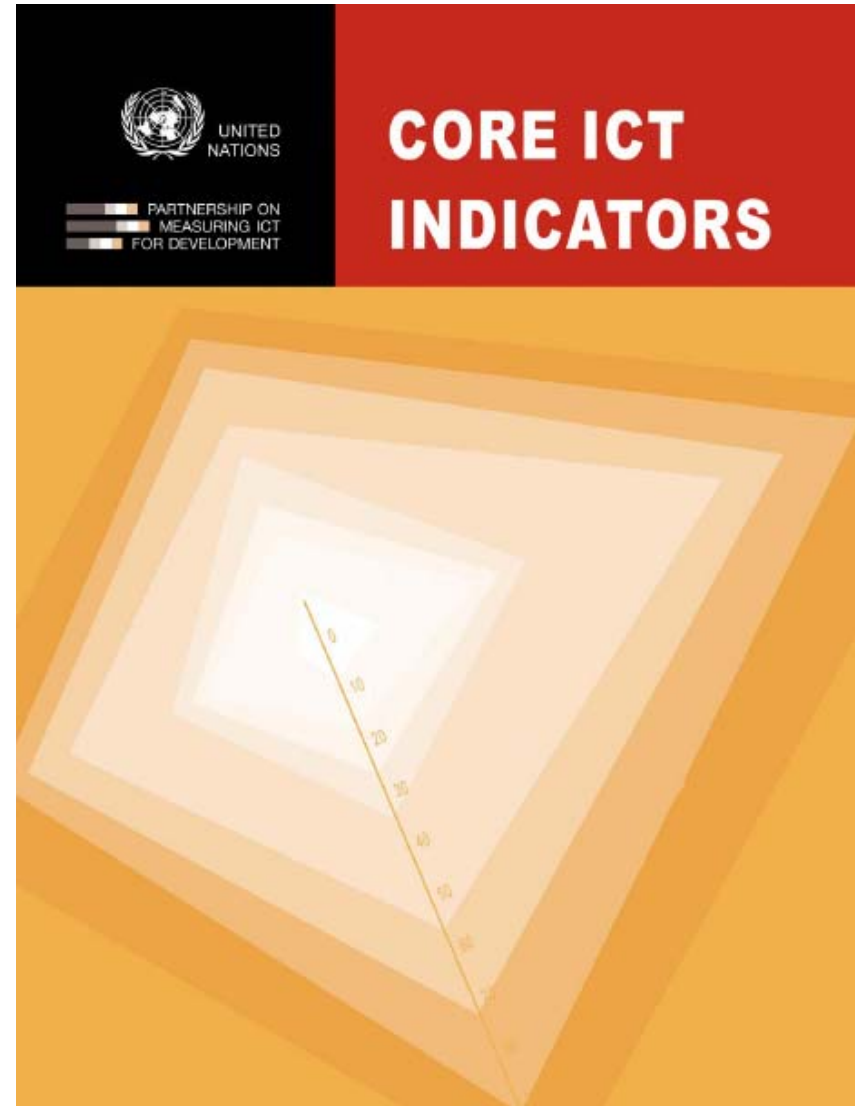
- Awareness raising among policy makers on the importance of statistical indicators for monitoring ICT policies

- Assistance to statistical agencies in developing countries in their ICT data collection and dissemination efforts

- Specialized training courses on information society statistics

- Technical workshops at the regional level to exchange experiences and discuss methodologies, data collection etc.

➡ Partners contribute their expertise and resources to the development and implementation of Partnership projects.

➡ The Partnership actively seeks contributions from donors to support capacity building in developing countries.

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http://itu.int/ict

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