

TELECOMMUNICATION DEVELOPMENT BUREAU

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 $5^{\rm TH}\,\rm WORLD$ TELECOMMUNICATION/ICT INDICATORS MEETING, GENEVA, 11-13 OCTOBER 2006

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TITLE: ICT Opportunity Index

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ICT OPPPORTUNITY -AN ENGINE FOR GROWTH

- ICT PLAYS AN IMPORTANT ROLE IN ECONOMIES – CONTRIBUTION OF ICT TO DEVELOPMENT AND SOCIO-ECONOMIC GROWTH HAS BEEN WELL DOCUMENTED
- EXPANDING ICT OPPORTUNITY IS A
 BROADBASED DEVELOPMENTAL GOAL THIS
 IS A WELL RECOGNISED ASPECT OF GROWTH
 STRATEGIES OF ALL COUNTRIES

MEASURING ICT DEVELOPMENT

- DEGREE OF ICT USAGE AND ICT LED INVESTMENT – POSITION AND EXTENT VARIED ACROSS COUNTRIES –
- MEASUREMENT OF ICT DEVELOPMENT, ITS EXTENT AND ITS EVOLUTION IS A KEY INDICATOR SOUGHT BY POLICY MAKERS, REGULATORS, INVESTORS AND OTHER STAKEHOLDERS-MEASURING THE DIGITAL DIVIDE IS A KEY INFORMATION INPUT

ITU MANDATE

- ITU S MANDATE IS TO CONTRIBUTE AND ENHANCE THE EFFORTS TOWARDS MEASUREMENT OF ICT DEVELOPMENT - SO PROVIDE A BASIS FOR EVIDENCE BASED POLICY MAKING AND STRATEGY DIRECTION
- ITU DERIVES ITS MANDATE TOWARDS THIS EFFORT THROUGH RESOLUTIONS DIRECTED BY MEMBER STATES

Mandates

MANDATE FROM WTDC

- RESLUTION 8- To further develop and improve benchmarking efforts, including ICT Opportunity Index
- To encourage countries to collect information illustrating national digital divides

MANDATE FROM WSIS

PARA 28- To develop and launch a composite ICT index

CONCEPTUAL ASPECTS- MEASURING ICT DEVELOPMENT AS A COMPOSITE INDEX: ICT OPPORTUNITY INDEX

- To begin with, the ICT-OI is meant to be an "instrument that would quantify the Digital Divide and systematically monitor its evolution"
- 1. This evolution meant,to measure the digital divide across economies at a given point in time
- 2. And its evolution over time
 THIS WAS THE BACKGROUND FOR THE ICT-OI
 THE ICT OPPORTUNITY INDEX

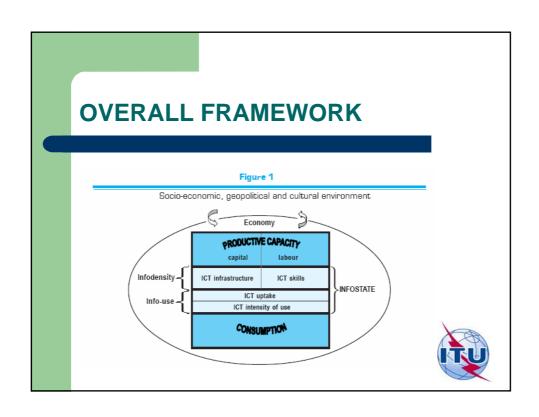
FRAMEWORK OF ICT-OI INDEX

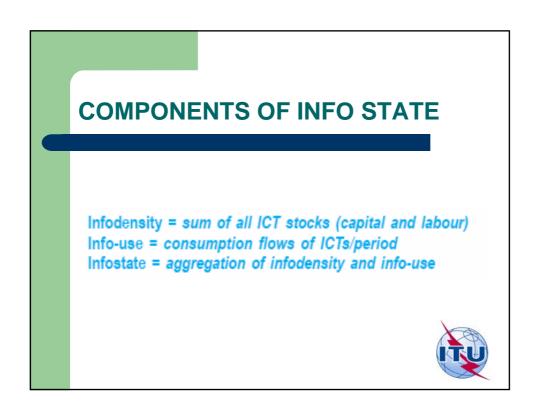
- 1. User –friendly framework:
 - i. Places an emphasis on developing economies
 - ii. Relies on a modeling approach that yields policyrelevant results
 - iii. Focuses on ICT's but is broader than scope than pure connectivity measures.
 - iv. Broad based in its interpretation of OPPORTUNITY as being *enabled* to access ICT services

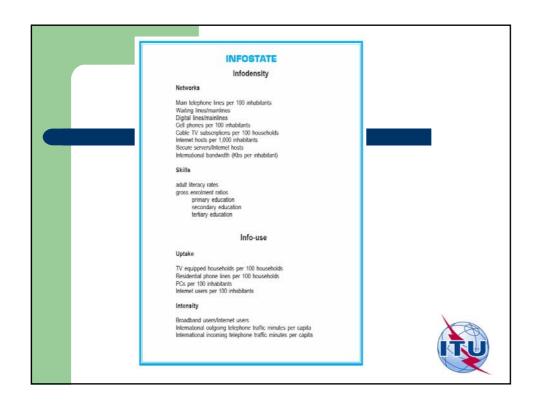


SCOPE OF INDEX

- THE SCOPE OF THE INDEX WAS TO BE *INCLUSIVE* FROM A DEVELOPMENTAL PERSPECTIVE- EMBRACING THE WIDE SPAN AND DIFFERENTIATED LEVELS OF ICT USAGE AND INVESTMENTS
- THE INDEX SOUGHT TO MEASURE *THE INFO STATE*
- DIGITAL DIVIDE AS THE RELATIVE DIFFERENCE IN INFOR STATES IN THE ECONOMY





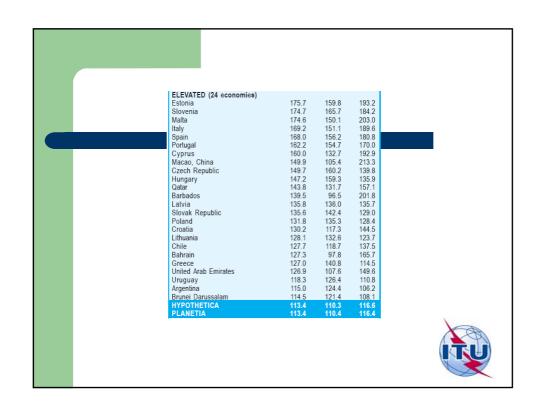


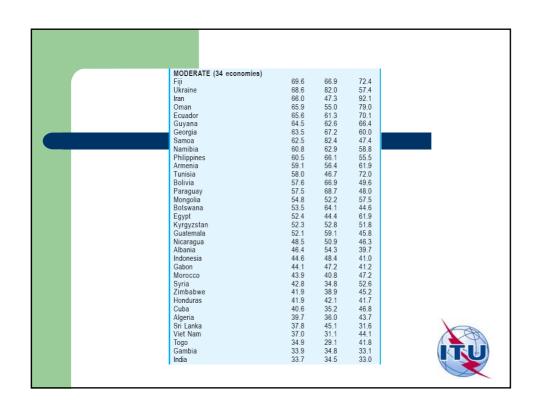
COUNTRY PROFILES

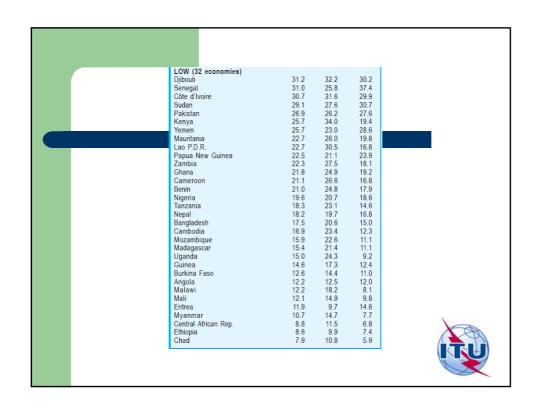
- REPRESENTATION OF COUNTRIES THROUGH A BENCHMRKED AVERAGE- CALLED HYPOTHETICA /PLANETIA OF THE INFO STATE
- PROVIDES THE CATEGORIZATION OF COUNTRIES AS PER THE LIST BELOW
 - A) HIGH
 - B) ELEVATED
 - C) INTERMEDIATE
 - D) MODERATE
 - E) LOW



	Infostate	Infodensity	Info-use	
		indices		
HIGH (23 economies)				
Denmark	254.9	246.1	264.0	
Sweden	251.1	242.4	260.1	
Switzerland	250.7	219.0	286.9	
Netherlands	242.5	238.5	246.6	
Norway	239.5	234.3	244.8	
Canada	235.0	201.4	274.1	
United States	231.8	212.3	253.2	
Finland	228.4	238.4	218.8	
Hong Kong, China	227.9	185.2	280.5	
Iceland	226.7	200.5	256.3	
Singapore	225.7	180.1	282.7	
Luxembourg	218.9	194.5	246.3	
Belgium	217.8	207.5	228.7	
United Kingdom	214.9	209.7	220.2	
Austria	210.6	203.4	218.1	
Australia	209.6	197.5	222.5	
Korea (Rep.)	208.6	171.1	254.2	
Germany	201.9	186.1	219.2	
Japan	198.9	176.7	223.9	1
Ireland Israel	197.7 194.0	189.7 177.5	206.1 212.0	X
	194.0	181.2	207.1	
France New Zealand	193.7	181.2	207.1	







UNDERSTANDING REASONS FOR DIGITAL DIVIDE

- A) NETWORKS ARE A MAJOR CONTRIBUTOR FOR THE DIGITAL DIVIDE
- B) SKILL INDICATORS ALSO CONTRIBUTE AS ICT SKILLS MOVE WITH THE PERVASIVENESS OF ICT DEVELOPMENT
- C) ICT UPTAKE WITH INDICATORS SUCH AS TV, INTERNET ETC, THESE AFFECT THE SPAN OF ICT OPPORTUNITY
- D) ICT INTENSITY OF USE MEASURED BY TRAFFIC AND BROADBAND USAGE IS UNEVEN IN ITS DISTRIBUTION AND IMPACTS INEQUALITY IN ICT OPPORTUNITY



ICT OI -TIMING

- EXERCISE WAS DONE FOR 2003 FOR 139 ECONOMIES
- SITUATION HAS CHANGED DRAMATICALLY SINCE THEN
- GROWTH IN FIXED, MOBILE BROADBAND PENETRATION HAS NARROWED THE DIGITAL DIVIDE

