

**Global Information and Communication Technologies**

## **Egypt's Place in the Information Society**

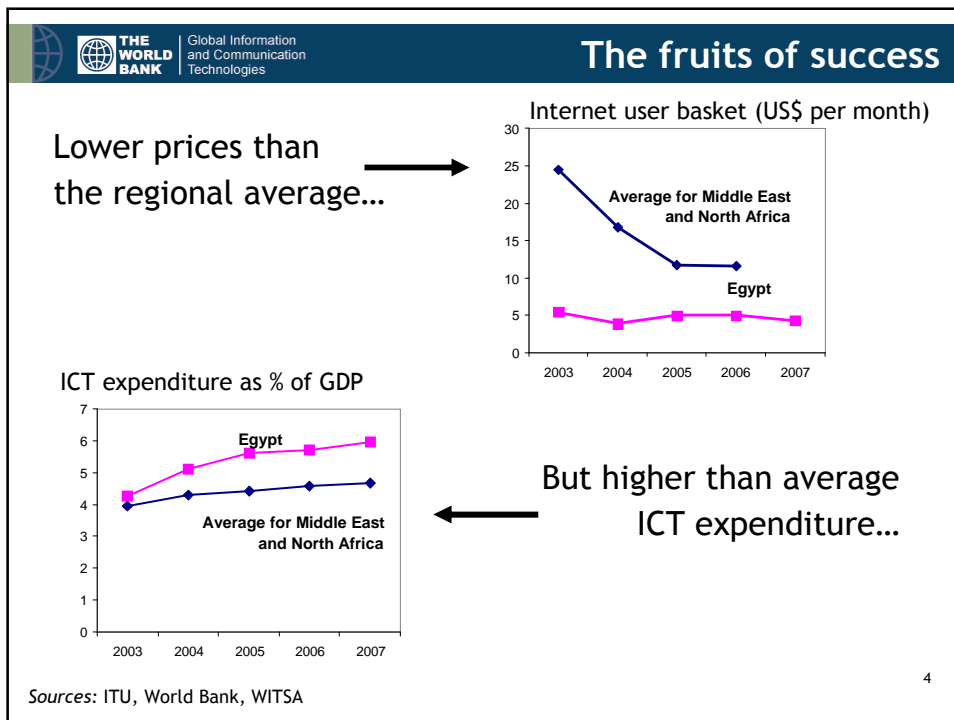
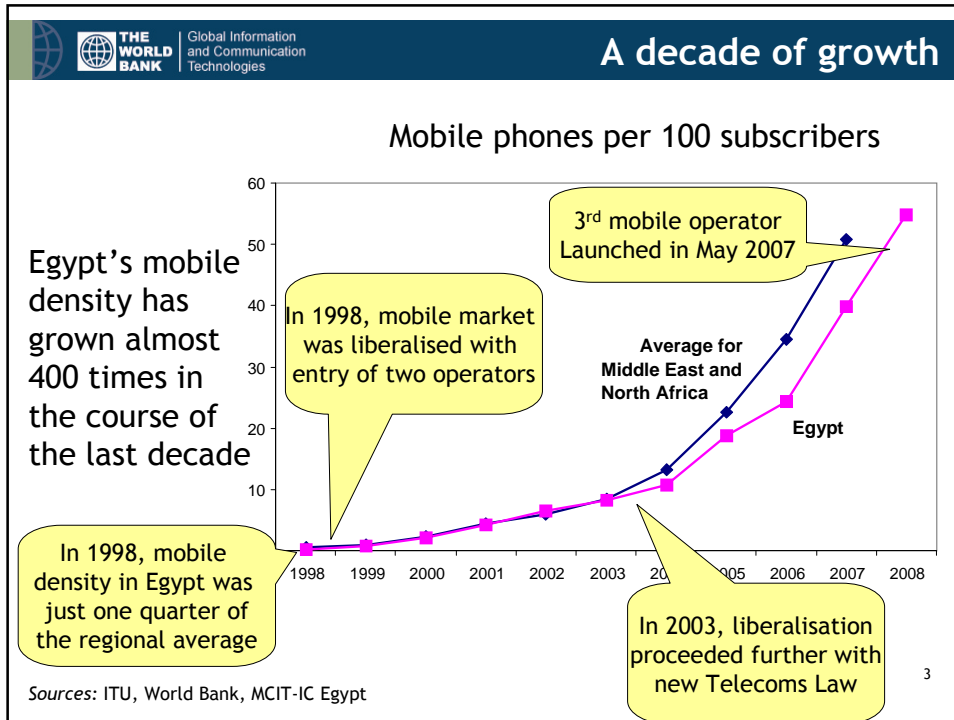
**Dr Tim Kelly,**  
**Lead ICT Policy Specialist, *infoDev*, World Bank**

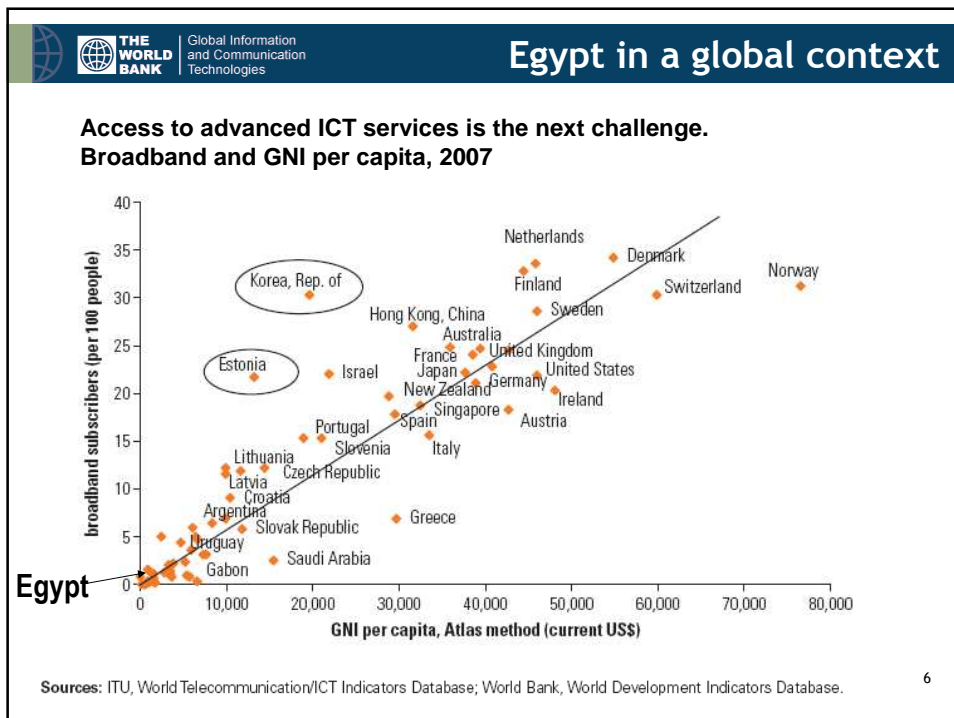
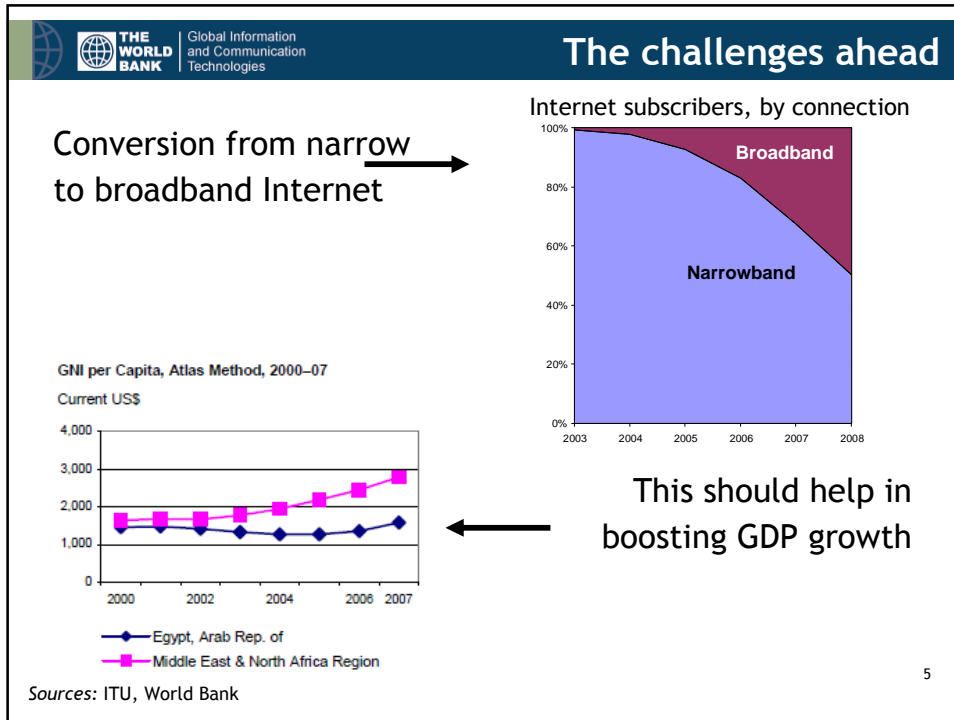
**Special Session on "Egypt's ICT Measurement Profile"**  
**World Telecommunication Indicators Meeting, Cairo, 3 March 2009**

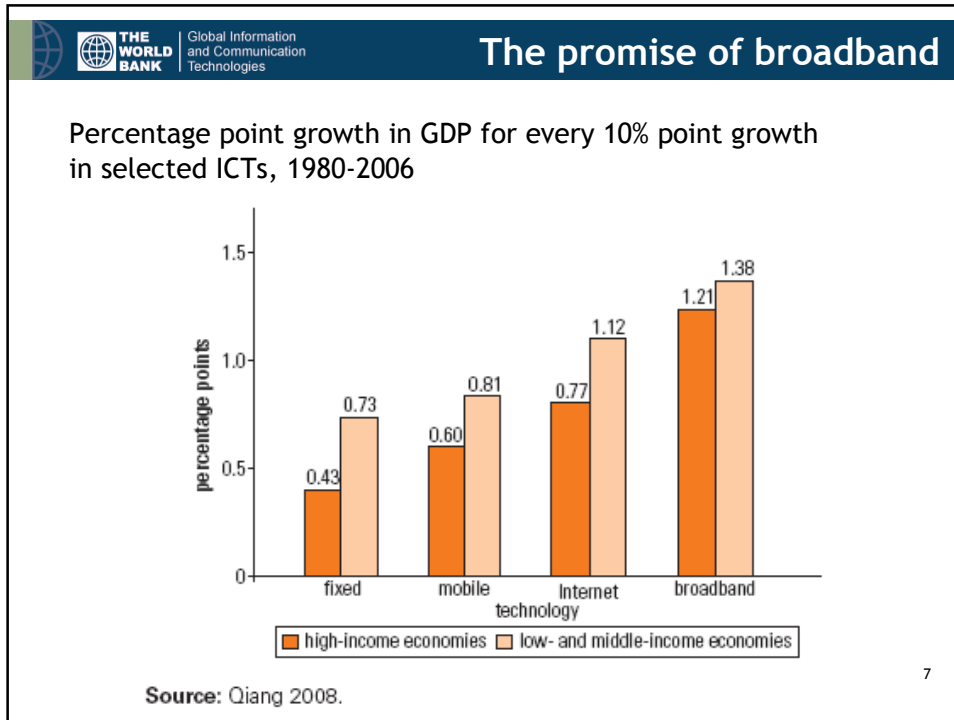
**Agenda**

- **A decade of growth**
  - The remarkable growth of mobile communications in Egypt
  - Examples of policy changes in the mobile communications sector
- **Egypt in a global context**
  - Future challenges
  - Moving towards advanced ICT services
  - Top-level findings from World Bank's "Information and Communication for Development 2009" report
- **World Bank engagement with Egypt**
  - Previous and ongoing work
  - Statistical Capacity-Building workshop, March 9 -12

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## World Bank IC4D 09 Report


### Extending reach and increasing impact

**Part I**

- Chapter 1: Overview
- Chapter 2: Convergence
- Chapter 3: Economic Impact of Broadband
- Chapter 4: Backbone Networks in Africa
- Chapter 5: E-government Experiences from India
- Chapter 6: National E-government Institutions
- Chapter 7: IT and IT-enabled Services

**Part II**

- Key Trends in ICT Development
- Progress in Measuring ICT
- At-a-glance Tables for 150 Economies

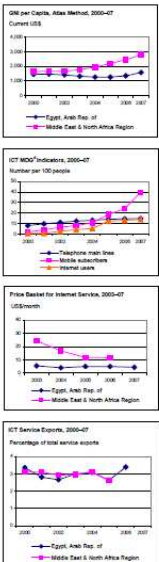


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## At-a-glance Tables


### Egypt, Arab Republic of

	Egypt, Arab Rep. of		Lower-middle-income group	Middle East & North Africa Region
	2006	2007	2007	2007
<b>Economic and social context</b>				
Population total (million)	67	75	3,437	313
Urban population (% of total)	43	43	42	67
GNI per capita, World Bank Atlas method (current US\$)	1,460	1,590	1,997	2,794
GDP growth, 1990-2006 and 2000-07 (avg. annual %)	6.2	4.6	7.9	4.6
Adult literacy rate (% ages 15 and older)	—	71	69	73
Gross primary, secondary, tertiary school enrollment (%)	60	77	65	70
<b>Sector structure</b>				
Separate telecommunications regulator	Yes	Yes	—	—
Status of main fixed-line telephone operator	Public	Public	—	—
Level of competition <sup>a</sup>	M	M	—	—
International long distance service	C	C	—	—
Mobile telephone service	C	C	—	—
Internet service	C	C	—	—
<b>Sector efficiency and capacity</b>				
Telecommunications revenue (% of GDP)	2.8	3.8	3.1	3.2
Mobile and fixed-line subscribers per employee	126	236	62.9	71.7
Telecommunications investment (% of revenue)	18.8	24.4	27.1	27.3
<b>Sector performance</b>				
<b>Access</b>				
Telephone main lines (per 100 people)	8.2	14.9	15.8	18.4
Mobile telephone subscribers (per 100 people)	2.2	29.6	37.3	50.7
Internet subscribers (per 100 people)	0.9	3.6	6.8	9.1
Personal computers (per 100 people)	1.2	4.9	4.5	6.3
Households with a television set (%)	88	97	79	96
<b>Usage</b>				
International voice traffic (minutes/person/month) <sup>b</sup>	1.0	3.5	—	2.7
Mobile telephone usage (minutes/user/month)	—	132	324	—
Internet users (per 100 people)	0.7	14.0	15.8	16.4
<b>Quality</b>				
Population covered by mobile service (%)	—	94	80	95
Broadband subscribers (% of total Internet subscribers)	—	19.0	41.7	—
International internet bandwidth (bits/second/person)	0	189	224	160
<b>Affordability</b>				
Price basket for residential fixed line (US\$/month)	4.3	3.7	7.2	3.9
Price basket for mobile service (US\$/month)	—	4.2	8.0	6.6
Price basket for internet service (US\$/month)	—	4.3	16.7	11.6
Price of call to United States (US\$ for 3 minutes)	3.33	1.46	2.00	1.46
<b>Trade</b>				
ICT goods exports (% of total goods exports)	—	—	20.7	—
ICT goods imports (% of total goods imports)	—	—	20.4	—
ICT service exports (% of total service exports)	3.4	3.4	16.3	2.6
<b>Applications</b>				
ICT expenditure (% of GDP)	—	6.0	6.6	4.7
E-government (V/eo measure index) <sup>c</sup>	—	0.61	0.33	0.22
Secure Internet servers (per 1 million people, June 2008)	0.2	0.9	1.5	0.8



- At-a-glance tables gives a snapshot:
  - Over time (2000-2007)
  - Relative to MENA region
  - Relative to Low-mid income
- Sector structure
- Sector efficiency and capacity
- Sector performance assessed by:
  - Access
  - Usage
  - Quality
  - Affordability
  - Applications

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## World Bank engagement with Egypt

- Examples of technical assistance in ICTs
  - 2007: Study of the impact of telecoms liberalization on growth, employment and investment
  - 2007: Study of policy and regulatory responses to convergence
  - 2008: Revision of the GDP deflator for Communication and Information Technology Services
  - 2008-09: Measuring FDI in the ICT Sector
  - 2008-09: Needs Assessment for Statistical Capacity Building
  - 2008-09: Cyberlaws, awareness raising campaign and dissemination
- Examples of project delivery
  - 2009-2010: Project on Mainstreaming the use of ICTs and Management Information Systems in Irrigation water delivery systems
  - Partners include World Bank, infoDev, Korea Trust Fund, Ministry of Water Resources and Irrigation
  - Cairo Airport Development project is the largest current World Bank project in the MENA region (value of loan - US\$335 million)
  - Oct 2008, new US\$500 million Financial Sector Development Policy loan
  - Feb 2009, new US\$600 million loan announced to support the Ain Sokhna Power Project


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## Statistical Capacity Building

- Workshop organised for MCIT-IC, 8, 10-12 March 2009
- Day 1: Statistics and economics focus
  - Sessions on defining ICT sector, selection of indicators, design of questionnaire surveys etc
- Day 2: Policy and economic focus
  - Sessions on trends in ICT policy, links between ICTs and economic growth, pricing and affordability, mainstreaming in other sectors of the economy
- Day 3: Private sector focus
  - Sessions on technology and market trends, ICT and the financial crisis, understanding ICT firms' annual reports and analysing FDI in ICT
- Day 4: Open session on follow-up

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# Thank you

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