

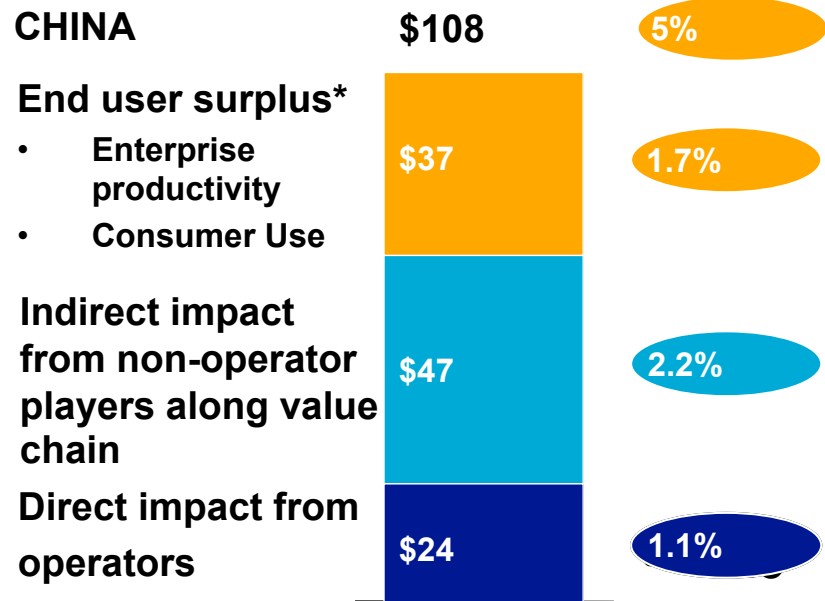


eGovernment Workshop 4
Items International Conf, Nov 8-9 2010, GWU Marvin Center
Samia Melhem, World Bank



Contribution and Impact of the ICT Sector

Wireless economic impact, 2005 USD billions, percent

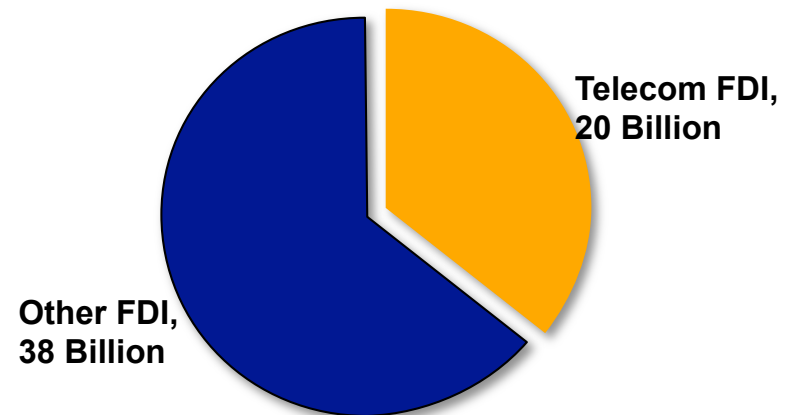


Source: McKinsey & Co.

10% increase in teledensity contributes to 0.6% of GDP growth

...and on investments

Telecom FDI versus Total FDI in SSA (2000-2004)



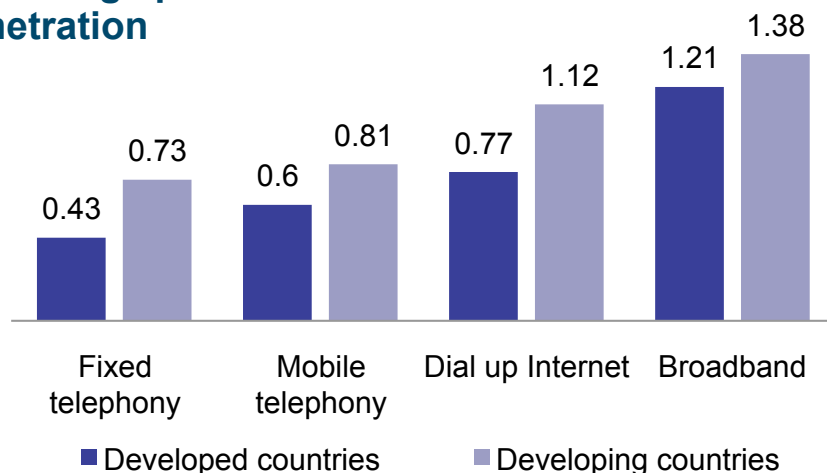
Source: World Bank WDI (2007)

35% of total FDI in SSA was from telecom (2007)

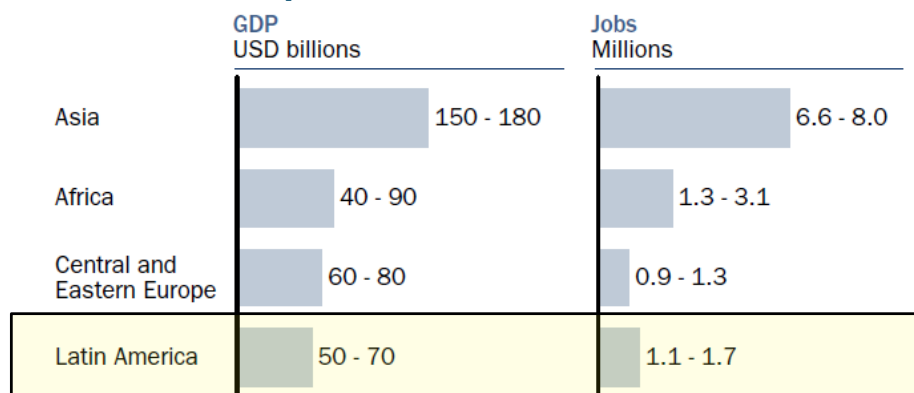


ICT supports economic growth, investments and job creation

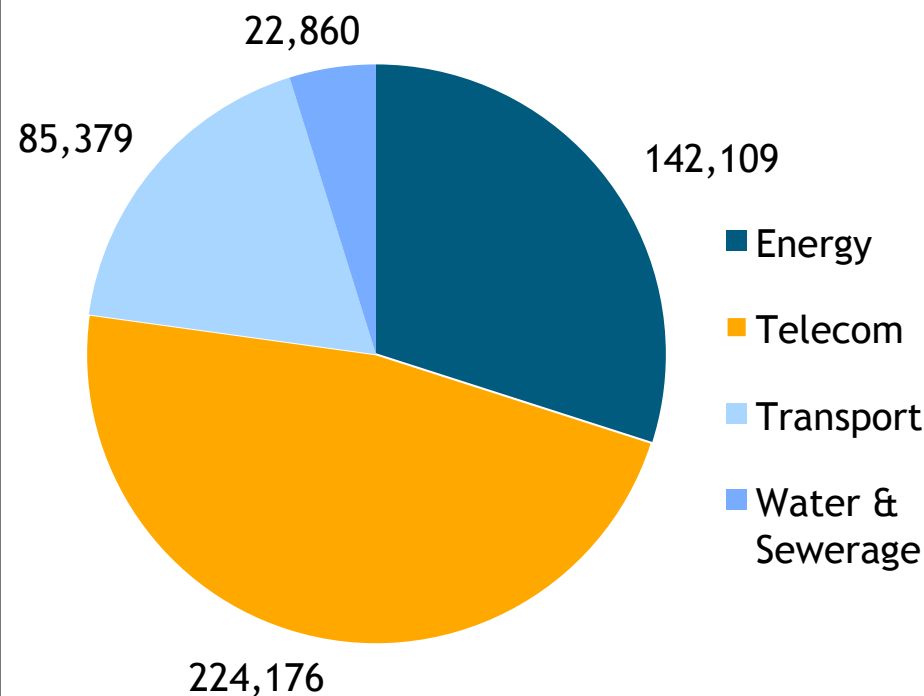
Economic impact of ICT: Percentage point increase in GDP growth for every 10 percentage point increase in market penetration



Potential economic impact of increased broadband penetration



Investments on infrastructure in LAC 1990 - 2007 (in US\$ million)



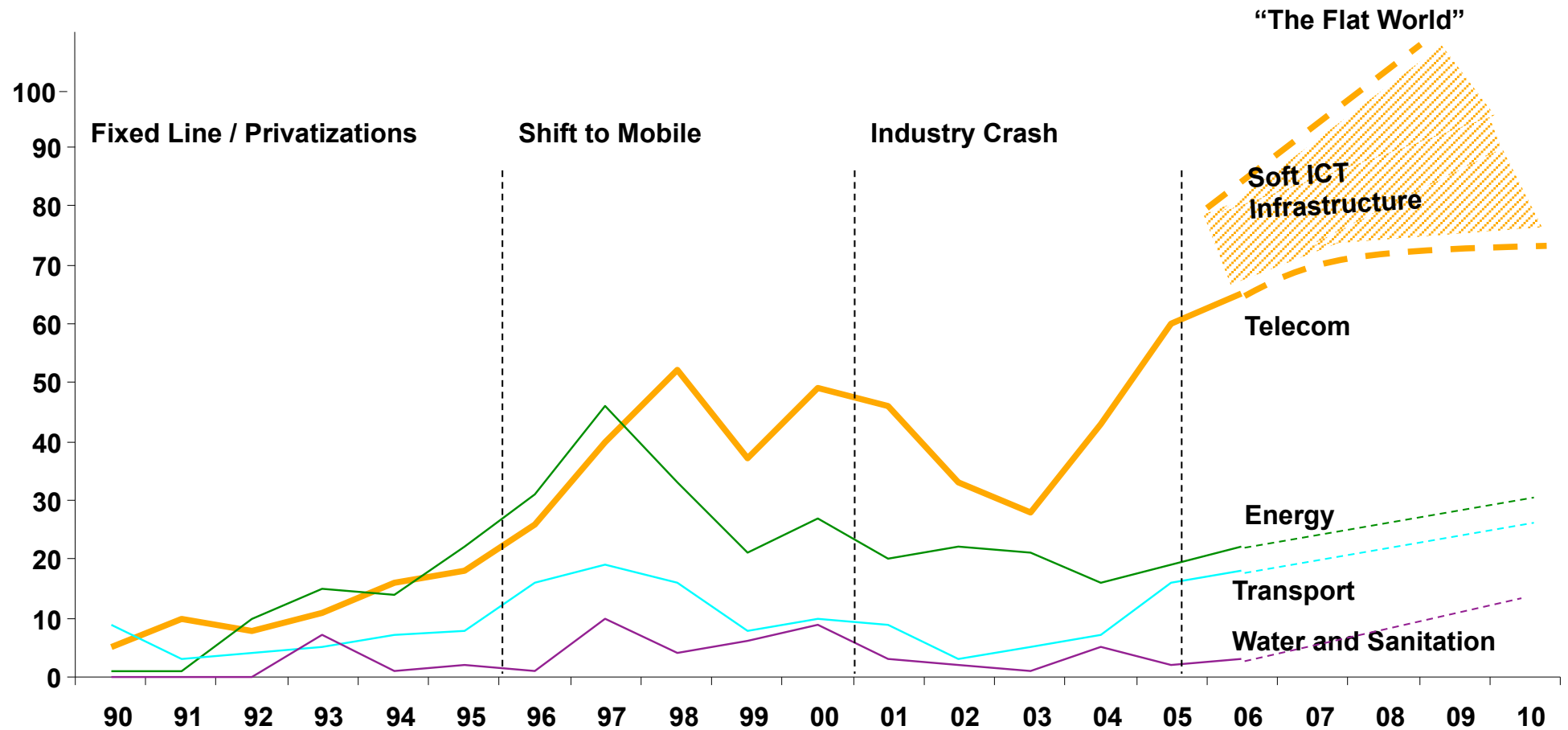
Source: Private Participation in Infrastructure Database

47% of private investments in infrastructure in LAC was from telecom

** McKinsey & Company, Mobile broadband for the masses, February 2009, p. 4



Leading sector for private sector investment

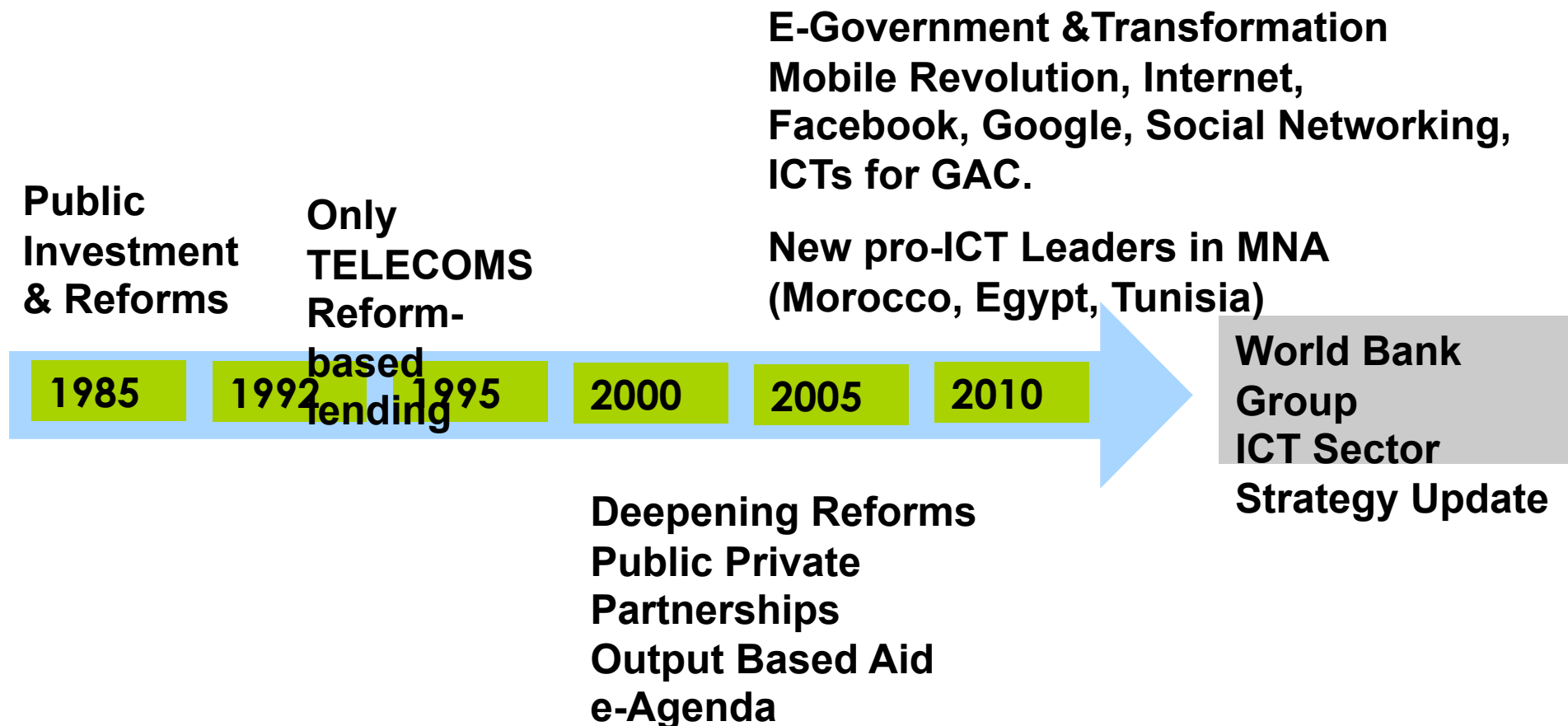


Investments in Infrastructure in Low and Middle Income Countries*
(USD Billions)

*Source: Private Participation in Infrastructure Database



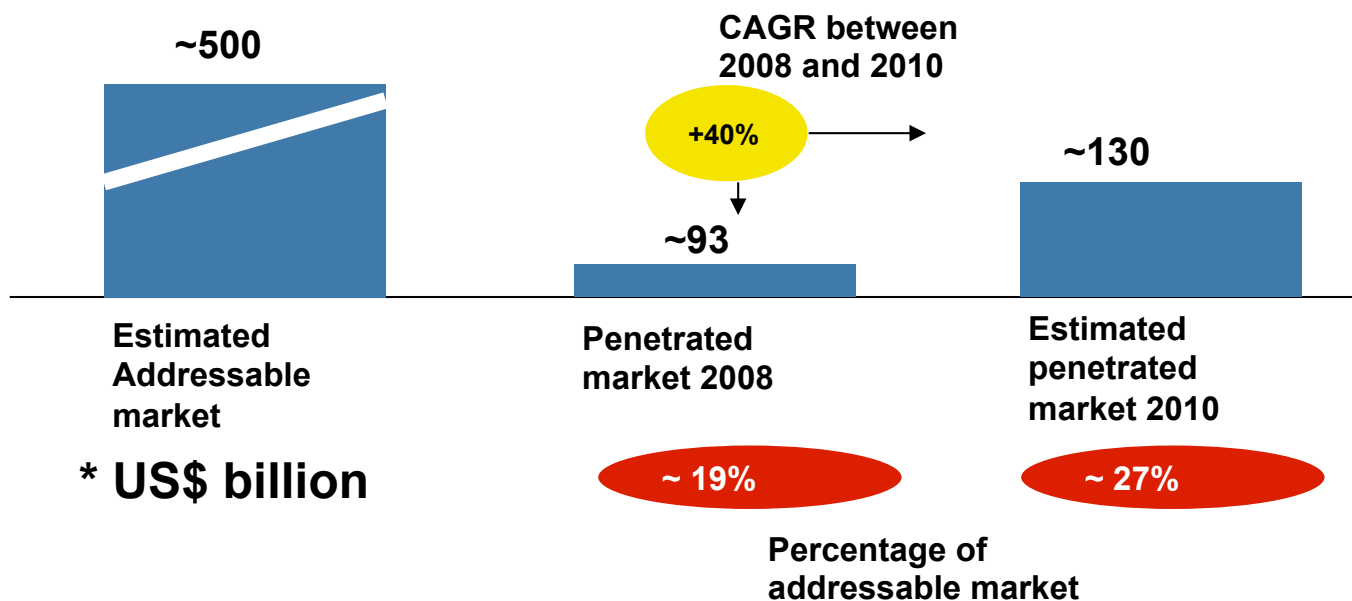
ICT sector lending: Evolution since 1985





IT sector: Realizing the opportunity global outsourcing

Global IT/ITES market*



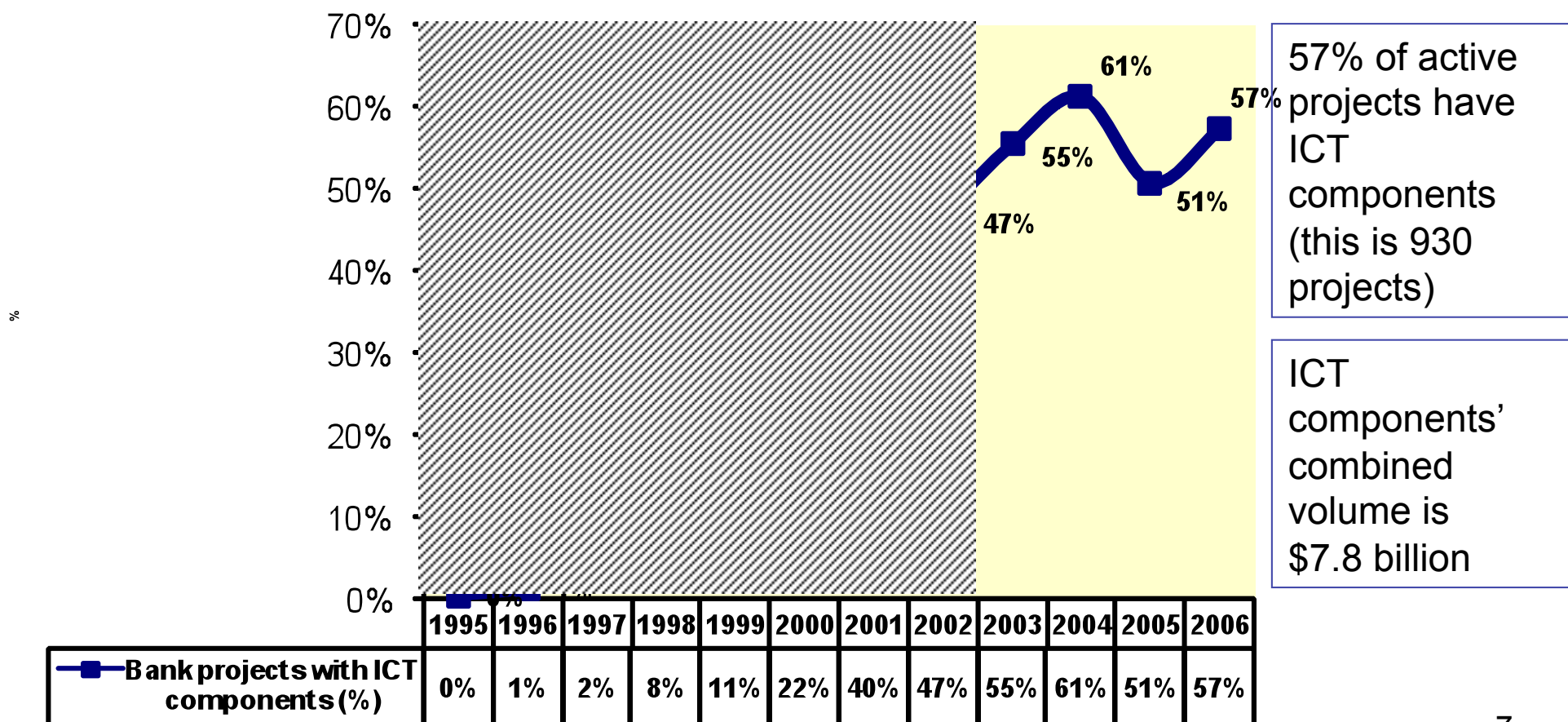
Source: McKinsey & Co.

IT and ITES markets hold great opportunities for the MENA region, notably in software development, graphic design and export of other information-processing services for Arabic and English speaking audience.



The Number of Projects with ICT is Growing

About 150 contain ICT components (out of 250 new WB projects each year).





Active e-Government Projects

Year	Country	Project	TTL	Total Project	Componets
2003	Ukraine	e-Development Project	Cancelled	6.00	Innovation
2004	Sri Lanka	e-Lanka	Asya Akhlaque/ Sandra Sargent	83.00	A, eGov, Contnt
2005	Tunisia	ICT Sector Development	Carlo Rossotto	15.37	eGov WAN
2005	Ethiopia	ICT Assisted Development	Bobak Rezaian	31.80	eGov, Wan
2006	Vietnam	ICT Development	Christine Qiang	106.9	SharedS, eGov
2006	Mongolia	ICT Development	Peter Silarszky	11.85	Capacity Bldg
2006	Ghana	e-Ghana	Mavis Ampah	82.70	Tax, Cust, eGP
2007	Rwanda	e-Rwanda	Samia Melhem	10.00	A, eGov, Contnt
2007	Kenya	RCIP	Isabel Neto	172.00	ITES
2009	Mexico	eMexico	Randeep Sudan	80.00	ITES
2010	Benin	eBenin	Boutheina Guermazi	10.00	A, eGov, Contnt
2010	RCIP, CAB, WARCIP	Regional Connectivity Projects, Central/West Africa,	Burtin, Bezzina	427.00 215.00 250.00	Access, PPPs in connectivity infrastructureg
2010	OECS	eCaribbean	Navas	27.00	eGov, Contnt



ICT applications in all sectors

E-Government for Public Sector Management

Public Sector Administration

- Public Debt Database/Monitoring System
- Judicial systems, Court Administration System
- E-voting Administration
- e-Procurement
- Payroll Processing and HRMS
- Document & Records Management
- eMail and office applications for Government
- Cloud Computing

Financial Sector

- Financial Management Information Systems
- Public Expenditure Management
- Treasury, Budgeting and Fiscal Systems
- Electronic Payment Systems,
- Tax administration, On-line Tax declaration

Trade Facilitation

- Custom Systems/Trade & logistics facilitation
- Business Registry and Licensing
- Single point of entry for the chamber of commerce
- Information on laws and regulations & compliance information

SMEs

- Access to international information
- Logistic support, e-commerce
- Business connectivity

Human Resource Management

- Human Resources Management Systems
- Employment and wage accounting information
- G2G services, score cards, feedback, surveys

Urban Management Systems

- Land/Property Management Systems
- Urban planning Systems
- Community based information systems & services
- Land titling, Registries, Cadastral Systems
- Transport Information Systems & GPS Applications

Environment & Natural Resource Management

- GIS initiatives
- Environmental Protection & Resource Management
- Environment/Agriculture Integration Systems
- Ecologically-balanced Agricultural Management
- Water Resources Management

Health

- Hospital Administration systems
- Preventive health care, Curative health care
- Internet based public health systems
- Doctors' forum, Diagnostic tools
- Health Information Systems & Technology Center
- Telemedicine, m-Health

Education

- Basic, Higher, Professional Educational Systems
- Distance Learning, GDLN, etc.
- Computers for Classroom, e-learning
- Education MIS
- On-line registration, student records.

Social Sector/Service Delivery

- Social Safety Net
- Pension, Social Risk Management Systems
- Mobile Payments of social benefits



Latest E-government Projects/or components (in PREM/PSD projects)

Projects Approved in 2009/2010	
Country	Components
OECS	Horizontal and vertical activities including legal and regulatory framework, standards, interoperability, security, financial management etc.
Benin, Mozambique, Morocco	Establishing policy framework, developing innovative PPP models for piloting new applications, eGovernment to support service delivery, improvement, support to ICT strategy, eProcurement
Mexico	PPPs in e-Government, including study on outsourcing and development of pilot projects
India	Capacity building, program management, e-Bharat Fund for implementation of State level e-government applications
Projects under identification, stand-alone on a Public Sector Reform Investment Loan	
Stand-alone	Moldova, Afghanistan, Armenia, Khazakstan,
Part of a PSR SIL	Jordan, Yemen, Morocco, Tunisia, Lebanon, Gambia, Uganda, Philippines, Indonesia, Cambodia, Chile, Bangladesh, Pakistan, Russia,, Cameroon, Nigeria, Tanzania, China, Niger, etc.



eRwanda Project Components

1. Strengthening GoR efficiency and effectiveness

2. Improving service delivery to citizens and the private sector

3. Improving access to enhanced telecom infrastructure

4. Project Management



BRIDGING THE DIGITAL DIVIDE

INSA
FINANCIAL DEVELOPMENT BANK







Thank you!
Q&A