

e-TUNISIA measuring the achievement



DIGITAL OPPORTUNITY FORUM 2006
Working Together toward the Inclusive digital world
COEX InterContinental Hotel
August 31 – September 1, 2006 Seoul, Korea

Dr. Mohamed Saïd OUERGHI
ouerghi@sei.gov.tn

1

OVERVIEW

- Measuring ICT achievement
- A glance to e-tunisia project
- The DOI applied to Tunisia
- Beyond the DOI calculation

2

OVERVIEW

Measuring ICT achievement

- A glance to e-tunisia
- The DOI applied to Tunisia
- Beyond the DOI calculation

3

Measuring ICT achievement

- e-indicators
 - Fixed/mobile telephone density
 - Proportion of households with a computer
 - Internet subscribers per 100 inhabitants
 - Proportion of businesses with a website
 - ICT goods exports as percentage of total exports
 - ...
- methodologies
 - NRI = Network Readiness Index (WEF)
 - DAI = Digital Access Index (ITU)
 - ISI = Information Society Index (IDC)
 - ...
 - DOI = Digital Opportunity Index (ITU/KADO)

4


Measuring ICT achievement

- DOI : what is it ?
 - internationally endorsed indicators (WSIS)
 - measure the countries' progress in building the Information Society
 - can be also used to analyze and enrich ICT national policy

5

Measuring ICT achievement

- DOI : how to use it ?
 - 3 categories
 - 11 indicators
 - Calculating DOI value (weight)
 - Analyzing DOI value (goal post)



	Sub-index	Goal post	Sub-index weight	Category weight
Opportunity	Percentage of population covered by mobile cellular services	100	10%	30%
	Internet access (ratio as percentage of population)	10	10%	
	Mobile cellular ratio as percentage of population	20	10%	
Enabling environment	Proportion of households with a computer	100	20%	30%
	Proportion of households with Internet access	100	20%	
	Ratio of Internet subscribers per 100 inhabitants	100	20%	
Infrastructure	Proportion of households with a computer	100	20%	30%
	Ratio of Internet subscribers per 100 inhabitants	100	20%	
Opportunity	Proportion of households with a computer	100	20%	30%
	Ratio of Internet subscribers per 100 inhabitants	100	20%	

6

OVERVIEW

- Measuring ICT achievement
- A glance to e-tunisia

The DOI applied to Tunisia

- Beyond the DOI calculation

13

The DOI Applied to Tunisia

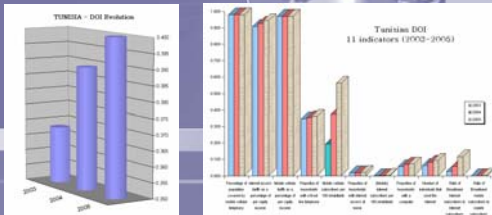
- Calculation

DOI Values	2000	2001	2002	2003	2004	2005
DIGITAL OPPORTUNITY INDEX	...	...	...	0.37	0.39	0.41
Opportunity	...	...	...	0.95	0.96	0.96
Percentage of population covered by mobile cellular telephony	...	...	...	0.98	0.98	0.98
Internet access tariffs as a percentage of per capita income	...	...	0.60	0.91	0.93	0.94
Mobile cellular tariffs as a percentage of per capita income	...	...	...	0.97	0.97	0.97
Infrastructure	...	...	...	0.12	0.16	0.20
Proportion of households with a fixed line telephone	...	0.33	0.35	0.35	0.35	0.36
Mobile cellular subscribers per 100 inhabitants	0.01	0.04	0.06	0.19	0.37	0.56
Proportion of households with Internet access at home	...	...	0.01	0.01	0.02	0.02
(Mobile) Internet subscribers per 100 inhabitants	...	...	...	0.00	0.00	0.00
Proportion of households with a computer	0.03	0.03	0.05	0.06	0.07	0.07
Usage	0.01	0.01	0.02	0.03	0.05	0.07
Number of individuals that used the Internet	0.03	0.04	0.05	0.06	0.08	0.09
Ratio of Broadband Internet subscribers to Internet subscribers	-	-	-	0.03	0.06	0.12
Ratio of Broadband mobile subscribers to mobile subscribers	-	-	-	-	-	0.00

14

The DOI Applied to Tunisia

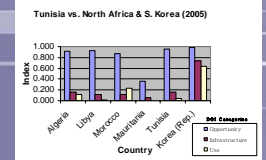
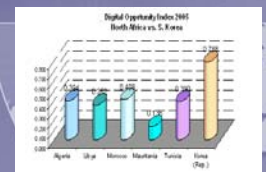
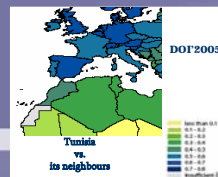
- Analyze



15

The DOI Applied to Tunisia

- Comparison



16

OVERVIEW

- Measuring ICT achievement
- A glance to e-tunisia
- The DOI applied to Tunisia

Beyond the DOI calculation

17

Beyond the DOI calculation

- Broadband Action Plan
 - Fast, cheap, reliable, and secure
 - Fiber, ADSL, VSAT, WiMax
 - ...
- Digital Culture Plan
 - PC Family,
 - Computer centers for children and specific groups,
 - Internet & computer bus Labs,
 - Development of PubliNets,
 - Other programs

18

Beyond the DOI calculation

- Digital Economy Act
 - Incentives and financial support
 - Outsourcing,
 - Strategic alliance,
 - Partnership on pilot technological projects
 - ...
- Digital Administration Plan
 - digitalization of administrative services
 - e-government,
 - electronic banking compensation,
 - civil and transport registration,
 - Post applications
 - ...

19

Beyond the DOI calculation

- Suggestion
 - Extend the MCT/ICT dashboard with indicators included in DOI
 - Extend the MCT/ICT dashboard with indicators included in other indices
 - Track indicators by : technology, region, gender, age, income, ...

20

Ministry of Communication Technologies

3 bis Rue d'Angleterre - 1002 Tunis - Tunisia

www.infocom.tn

Phone: +216 71 325 143

Fax: +216 71 327 941

21