A collection of items including a chessboard, medals, a compass, and glasses. The chessboard is in the top left, with several pieces visible. Below it are two medals: one with a red ribbon and one with a blue ribbon. A compass is in the bottom left. A pair of glasses is in the center. The background is a light-colored surface.

Application of the Digital Opportunity Index to Bulgaria

Dr. Kamen Spassov
Seoul, Sep 1, 2006

A GATEWAY TO A MARKET OF 550,000,000

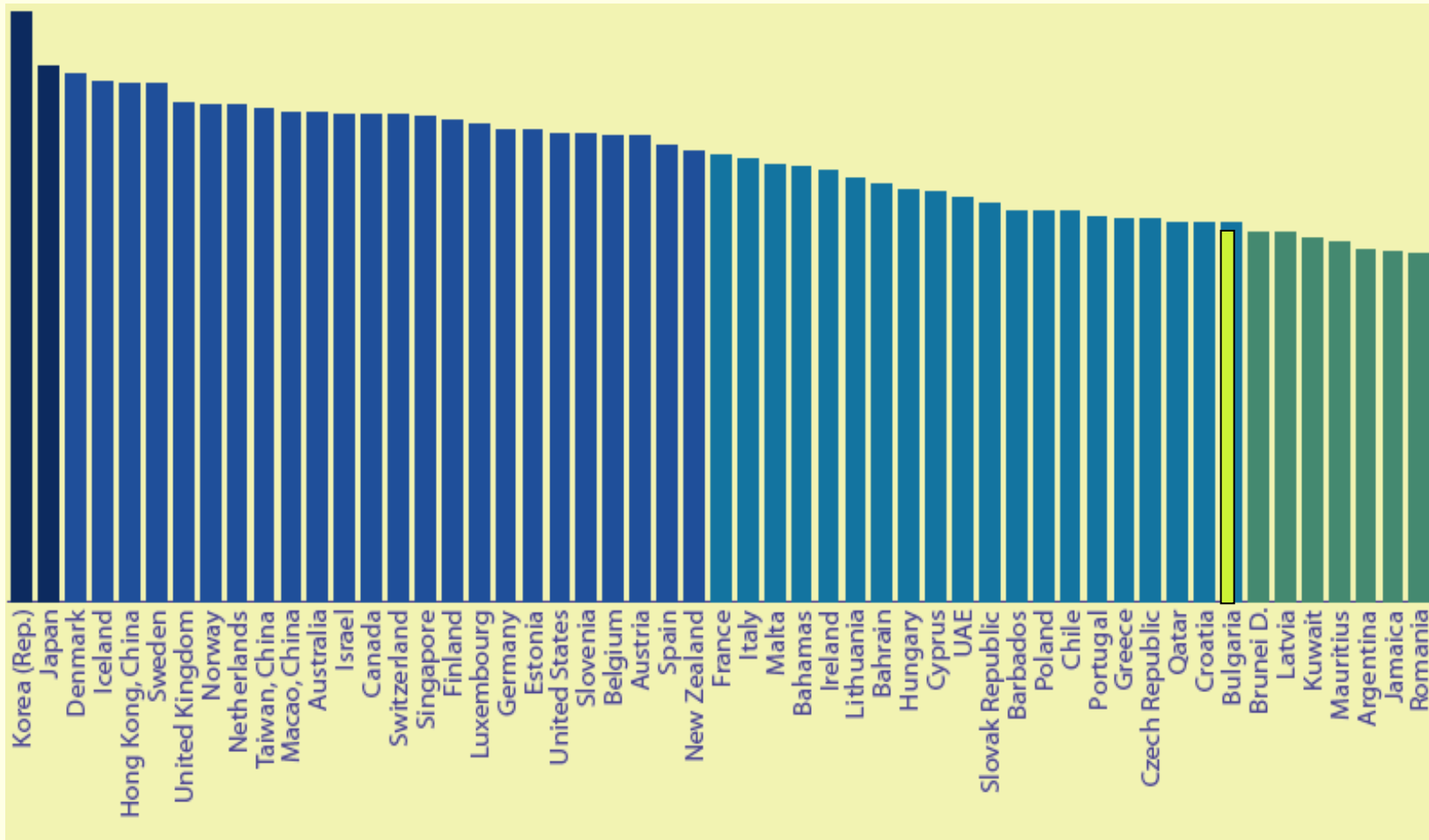
FACT SHEET

- **BULGARIA** – located between Europe, the Middle East, Russia and Africa - Turkey, Greece, Macedonia, Serbia, Romania, Bosnia, Croatia, Slovenia, Albania
- **POPULATION: 7.7 million**
- **GDP: \$28 billion**
- **ECONOMY: ~75% private**
- **Expected EU membership from year 2007**
- **GDP GROWTH: 5%**
- **INFLATION: 4%**



Seoul, September 1, 2006

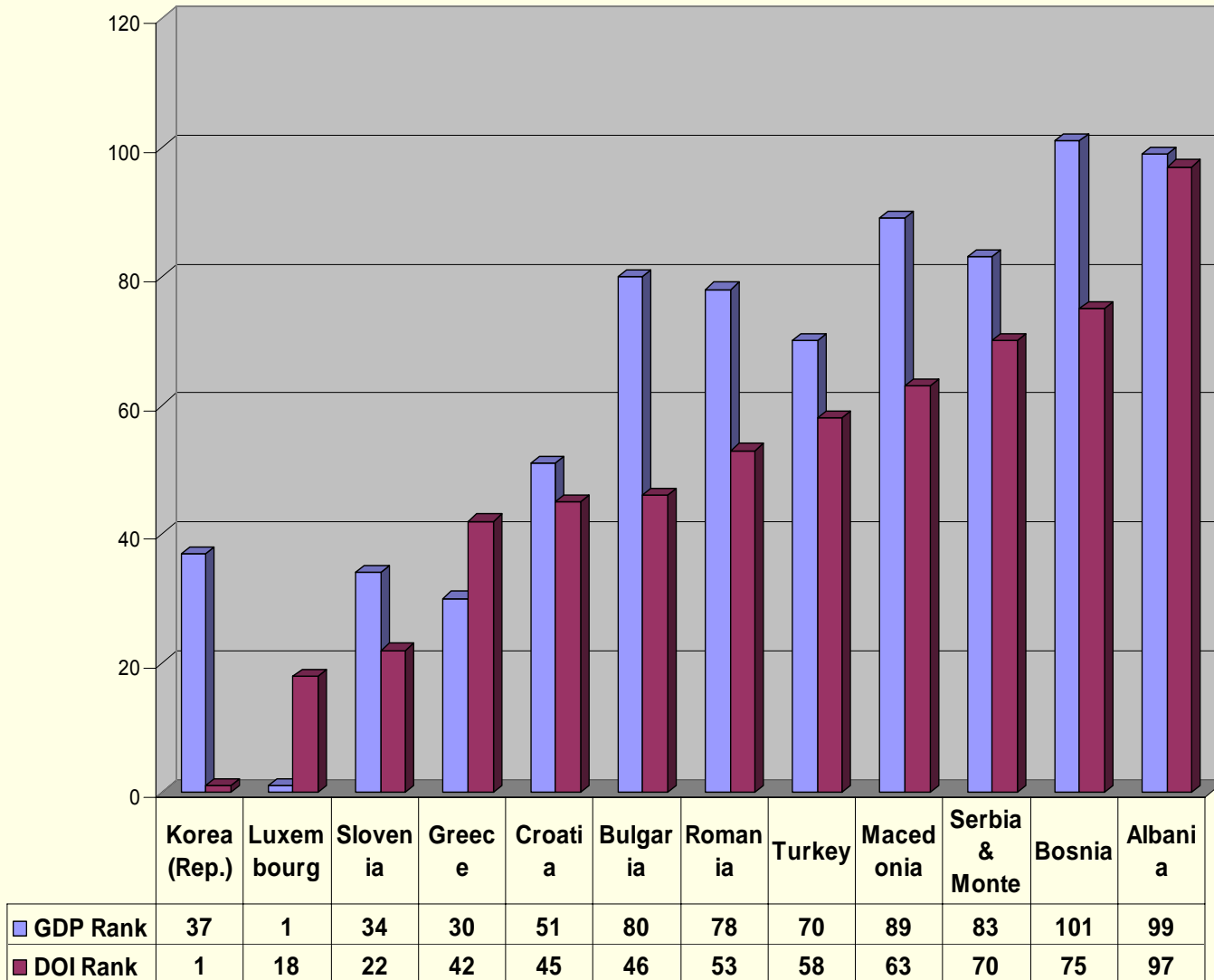
Digital Opportunity Index



This map is a part of the World Information Society Report 2006, available at www.itu.int/wisr

Seoul, September 1, 2006

DOI vs. GDP Ranking



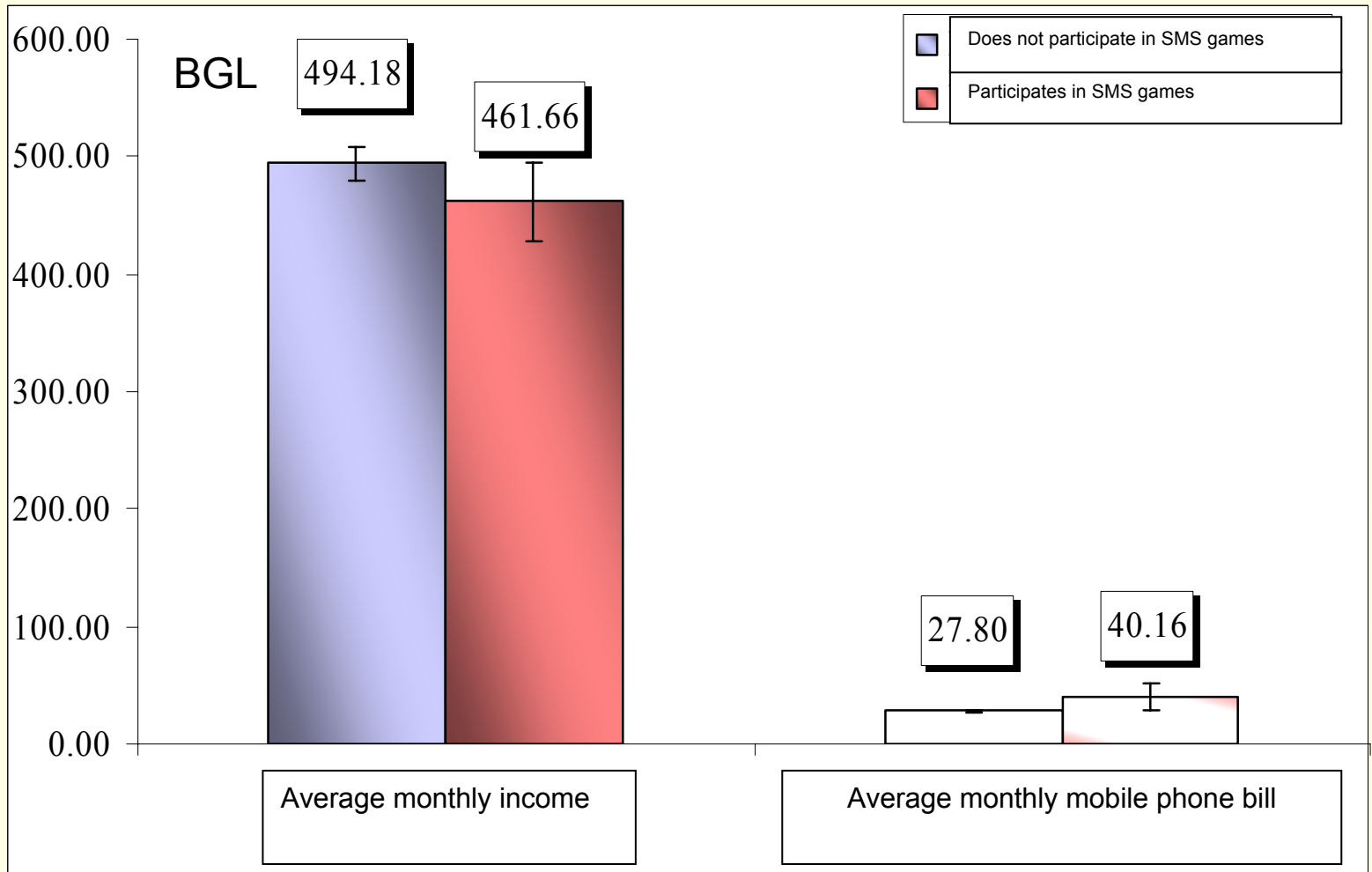
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Ranking

Country	GDP Rank	DOI Rank	Mobile DOI Rank	Fixed DOI Rank
Korea (Rep.)	37	1	1	1
Luxembourg	1	18	17	18
Slovenia	34	22	8	27
Greece	30	42	23	48
Croatia	51	45	40	44
Bulgaria	80	46	49	43
Romania	78	53	58	58
Turkey	70	58	54	63
Macedonia	89	63	60	78
Serbia & Montenegro	83	70	65	74
Bosnia	101	75	74	70
Albania	99	97	72	102

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Income & Mobile bill



GDP/Capita = \$2,740

\$1 = 1.5 BGL

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Mobile Services

Year	Prepaid		On contract	
	Number	%	Number	%
31.12.2004	3 085 348	65%	1 644 383	35%
30.06.2005	3 444 324	66%	1 783 965	34%
31.12.2005	4 188 801	67%	2 055 892	33%

	Bulgaria	EU-15*	EU-25*
31.12.2004	61 %	86%	83%
30.06.2005	67%		
31.12.2005	80%	92%	91%

BG Commission for Regulation of Communications

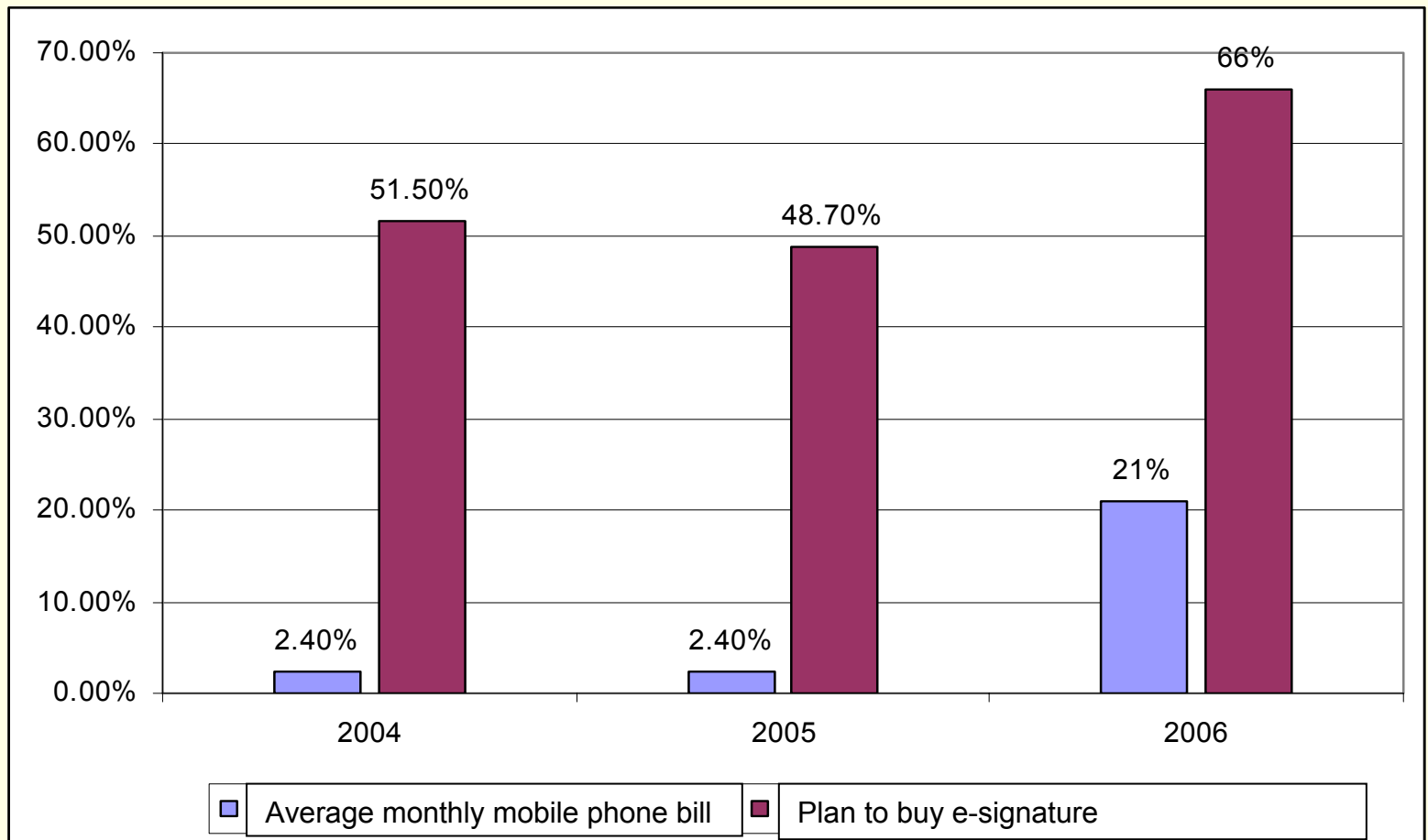
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e-Government Services

Service Category	2003	2004	2005
To Citizens (12 types of services)	43.9%	58.0%	47.06%
To Businesses (8 types of services)	34.0%	43.0%	80.56%
Total (20 types of services)	39.4%	51.0%	58.65%

CCICMT, e-Government Report, December 2005

Business & Electronic Signature



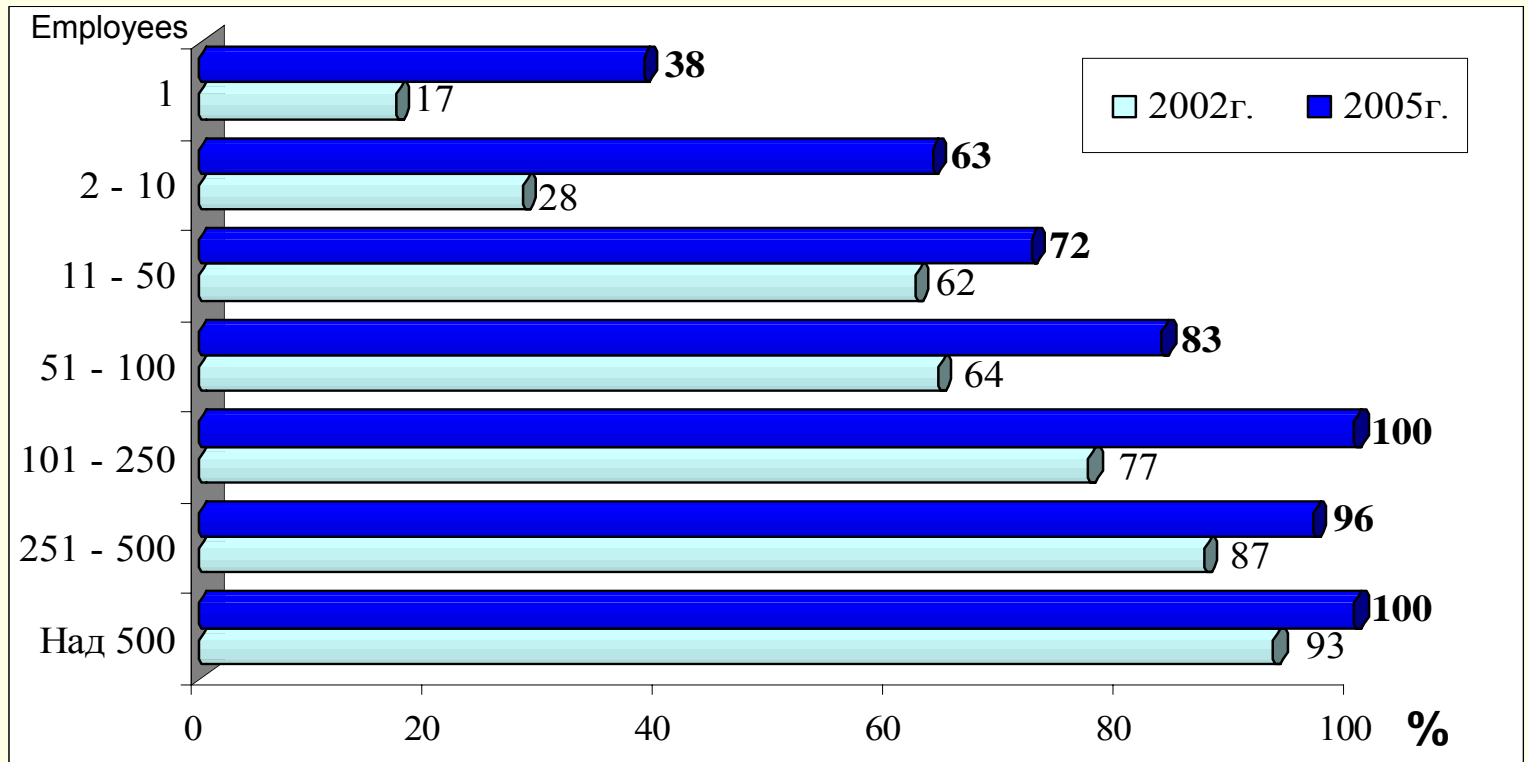
Estat (Jan 2004, Feb-Mar 2005) and Alfa Research (Jan 2006)

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Use of Computers

	<i>IV 2000</i>	<i>IX 2000</i>	<i>VI 2001</i>	<i>X 2001</i>	<i>V 2002</i>	<i>X 2002</i>	<i>V 2003</i>	<i>VII 2003</i>	<i>X 2003</i>	<i>X 2005</i>
At home	2,6	4,4	5,3	7,5	4,8	5,2	6,2	6,5	6,9	19,8
At work	6,3	7,5	7,2	7,0	9,1*	7,3	8,5	8,3	7,9	13,3
Other place	3,1	2,1	6,5	4,1	2,5	2,5	6,1	7,3	7,7	8,0
Respondents over 18 years old	1161	1158	1066	971	1170	1079	1107	1054	1098	948

Businesses with Internet Access



Vitosha Research December 2005

Per cent of households or individuals with broadband access to the Internet	10,6 %
Per cent of companies with broadband access to the Internet	44 %
Per cent of public administrations with broadband access to the Internet	100 %

Computer utilization

Activity type	Use of Internet %	Average weekly usage %			
		<i>Up to 8 h</i>	<i>8-21 h</i>	<i>21-40 h</i>	<i>More than 40 h</i>
Games	48,1	80,9	12,8	4,7	1,6
Music listening	60,3	62,4	19,7	4,1	13,8
Watching movies	53,7	73,7	20,4	5,8	0,0
Internet	54,3	60,3	15,3	8,1	16,2
Chat, e-mails, Internet phone calls	43,8	73,5	15,3	7,8	3,4
Study related (school, university, job)	40,1	56,9	14,2	14,1	14,8
Software development/Web design	8,4	15,5	24,8	0,0	59,7
Processing of photos and videos, digital imaging	16,4	89,1	6,7	4,2	0,0
CAD, computer arts	6,7	44,4	23,2	16,3	16,0
Others	7,7	71,2	19,9	8,9	0,0

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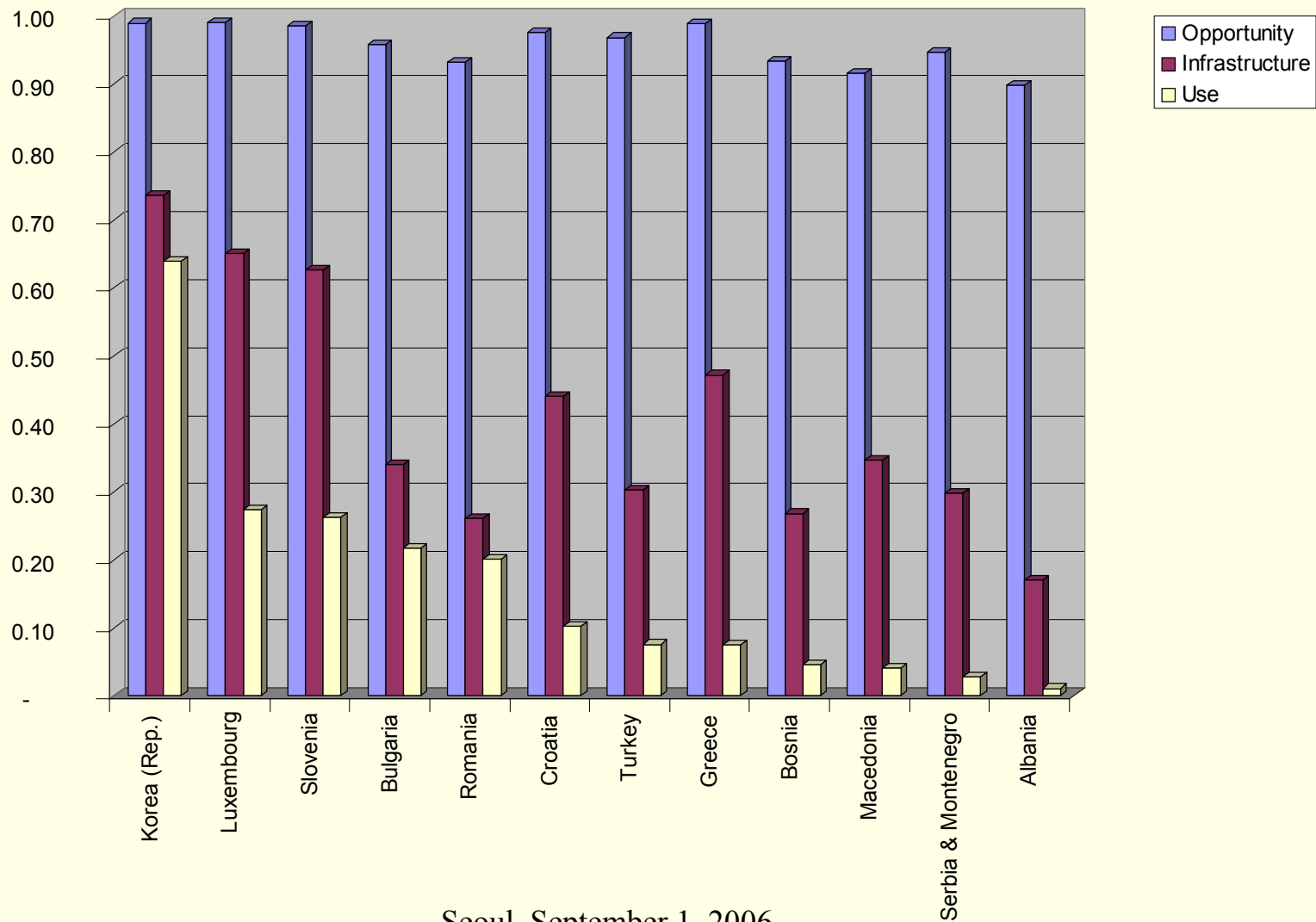
Households Internet Access

	(X'2004)	(X'2005)
Dial-up (модем, телефон)	22.7	15.2
Leased Line	3.1	5.3
Cable modem	52.7	36.9
Mobile phone	1.3	2.2
LAN	13.7	25.8
ADSL	2.9	4.2
Total Broadband	72.4	72.2
Don't know - Do not answer	3.6	10.3

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DOI components



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Conclusions

- ◆ DOI can be used as an instrument to measure the efficiency of the governments' policies to develop the Information Society.
- ◆ Working to improve DOI will result in higher rates of GDP growth because ICT services provide higher added value.
- ◆ Almost all technical innovations are available in Bulgaria
- ◆ Needs and innovativeness of businesses and individuals combined with open competition are the driving force for development of Information Society.
- ◆ In the state and local administrations there are islands of excellence but the political will of the ruling majority is essential for the success of e-Government initiatives.

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kspassov@gmail.com
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