ROMANIA

Indicators on Community Access to ICT Bulgaria

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Structure of the presentation



- Bulgarian e-Readiness Assessment Model and Methodology for Quantitative Assessment
- 2. Public Internet Access Points in Bulgaria



Bulgarian e-Readiness Assessment Model and Methodology for Quantitative Assessment

The "e-ready" society... (Center for International Development at Harvard University)



- Has the necessary physical infrastructure
- Has integrated current ICTs throughout business
- Communities
- The e-government

The Bulgarian e-Readiness Assessment Model

Vitosha

Research

- 92 variables
- 19 indicators
- 5 categories:
 - 1. e-Access
 - 2. e-Learning/e-Education
 - 3. e-Society
 - 4. e-Business
 - 5. e-Policy/e-Government
- Aggregate e-Readiness Index / Scoreboard

First step



The value of each indicator is measured on a 4or 5-point scale

Example: Index: E-Society Sub-category: Users of computers

1.Percentage of total population (aged 18+) who has access to computers

Scale

- Up to 10
 10-20
 21-30
- 4. 31-40
- 5. More 40

Second step



A rank is assigned to each indicator value using the following procedure:

With 5-point scales:

a rank of 1 is assigned to the first value a rank of 3 - to the second value a rank of 5 - to the third value rank of 7 to the fourth value and a rank of 10 to the fifth value

1.Percentage of population (aged 18+) who has access to computers

Rank: 3	1.	Up to 10
Data: 16 %	2.	10-20
Source: VR	3.	21-30
	4.	31-40
	5.	More 40

Third step



Different variables are divided in two groups depending on their importance ("medium" or "high") to Bulgaria's ereadiness assessment.

1. Percentage of population aged 18+ who has access to computers

Importance: High

Rank: 3	1.	Up to 10
Data: 16 %	2.	10-20
Source: VR	3.	21-30
	4.	31-40
	5.	More 40

Fourth step



The respective ranks (depending on the real value of a given variable) is multiplied by the importance coefficient of the variable.

1.Percentage of population aged 18+ who has access to computers

Importance:	High
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Rank: 3	1.	Up to 10
Data: 16 %	2.	10-20
Source: VR	3.	21-30
	4.	31-40

5.

More 40

Importance	Weight
High	2
Medium	1

Fifth step



- The values are aggregated in synthetic indicators in several categories
- The value of each index is computed as a sum of the weighted ranks of the respective variables included in a given category / sub-category
- Each index summarizes the values of several variables and is presented in a statistically normalized form: from 0 to 10

Result



Number of variable	Rank	Weight	Rank multiplied by Weight (B*C)	Result: SD/ SC
Α	В	С	D	E
1	3	2	6	
2	1	2	2	
3	1	1	1	
4	1	2	2	
5	1	1	1	
		S = 8	S = 12	1.5

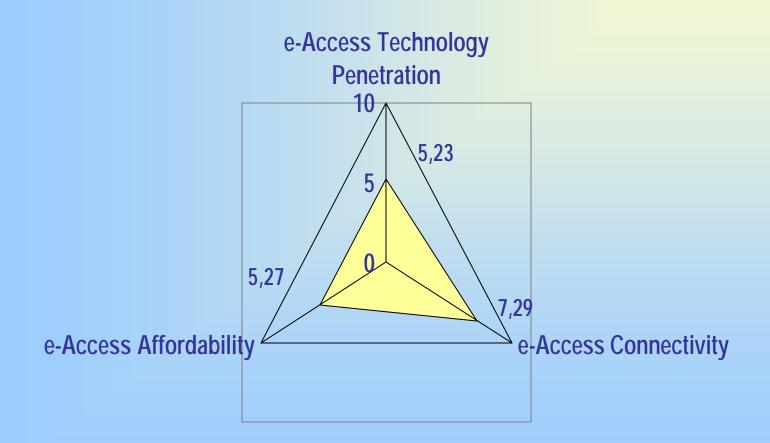
e-Access looks at ...



- Network Access Technologies Penetration
- Network Connectivity
- Affordability of Network Access







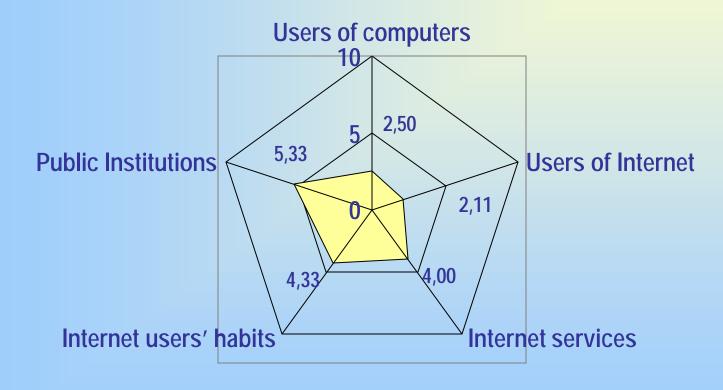


e-Society looks at ...

- Users of Computers
- Users of Internet
- Internet Services
- Internet Users' Habits
- Public Institutions



e-Society Index = 3.66



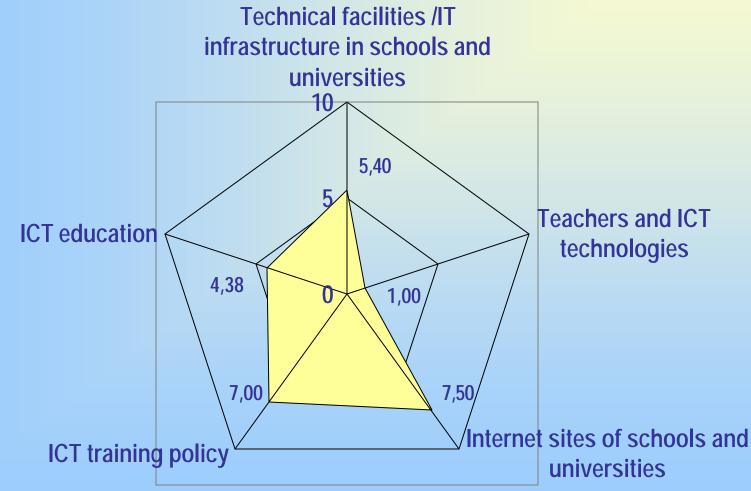
e-Education looks at ...



- Technical Facilities / ICT Infrastructure in Schools and Universities
- Teachers and ICT technologies
- Internet Sites of Schools and Universities
- ICT Training Policy
- ICT Education

e-Education Index = 5.06





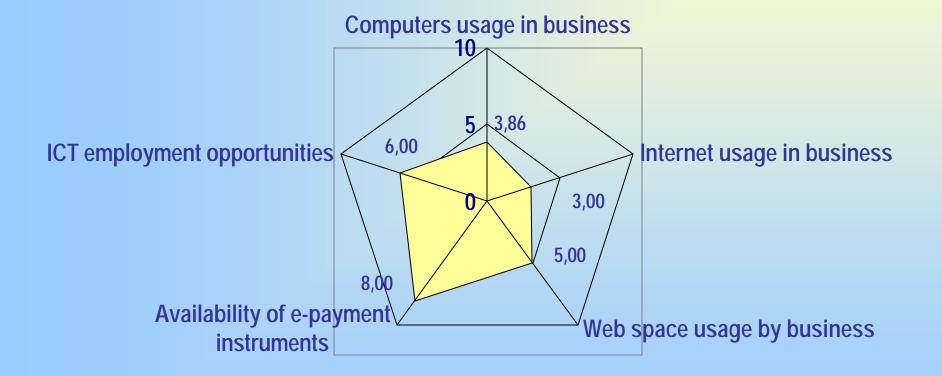


e-Business looks at ...

- Computer Usage in Business
- Internet Usage in Business
- Web space Usage by Business
- Availability of e-payment Instruments
- ICT Employment Opportunities

e-Business Index = 5.17







e-Government looks at ...

- Penetration of ICT in Public Administration
- Sophistication of Web-Sites
- Usage by Citizens
- Usage by Business

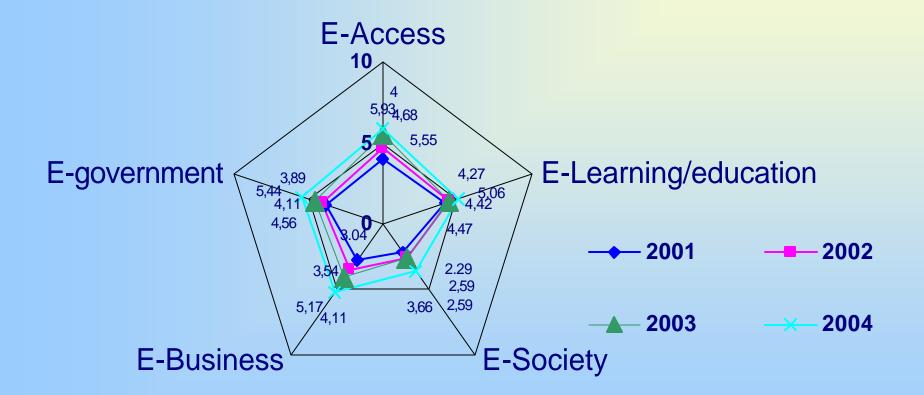
Aggregate e-Readiness Scorecard





Aggregate e-Readiness Scorecard





e-Bulgaria Index: 5.05

Public Internet Access Points in BULGARIA

Public Internet Access Points

According to the eEurope+ 2003 Data collection, monitoring and benchmarking:

"PIAPs (Public Internet Access Points) are publicly provided centres providing access to the Internet regardless of their public and/or private provider and whether access is free or not though excluding fully private Internet cafes PIAP does not have to provide hardware (i.e. computers) needed to connect to the Internet and include WLAN access points."

The first telecenter in Bulgaria 12 November 1999



Telecenters in Bulgaria 1999 - 2004





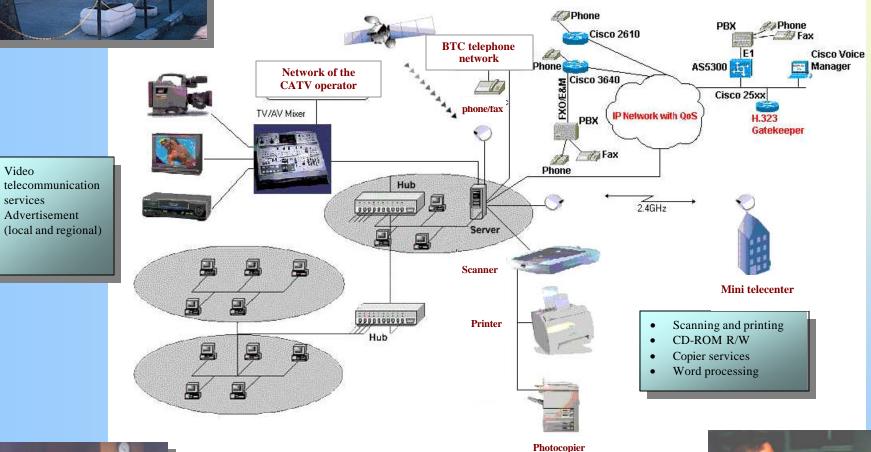
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Services offered by Telecenters in Bulgaria

- Public telephone and fax
- Public e-mail
- Internet access
- Training computer skills: Word, Excel, Internet and etc.
- Web design







- Games
- Translation services
- Phonocards sells
- Account services



Public Computer Communications Center PC3 Project autumn of 2001



















Community Development and Participation through the Chitalishte Network

June2001 – June 2004





- **MTC approach is** based on two groups of actions, interacting with each other:
 - Stimulation of services, applications and content, covering both online public services and e-business
 - Development of the underlying broadband infrastructure and security matters
- Each social partner has his own role:
 - **Citizens:** to be integrated, trained and motivated
 - Businesses: driving force and an example for the development of the Information Society
 - Public Authorities: facilitates and promotes change, acting as both reference and guarantor for the necessary balance



 By the end of 2006 Bulgaria has to achieve the average levels for the IS development indicators of the EU member states

relies on young people:



- who keep their identity and at the same are open to the world
- who make knowledge the driving force for development
- who are both tolerant, capable and talented



Access to computer and Internet for all

The project establishes a wide network of public telecenters in cooperation with the Bulgarian Posts. The goals of the project are:

- To provide access to the Internet and e-government services for the majority of the Bulgarian citizens (especially those in less developed areas)
- To raise the qualifications and education through various forms of distant learning and online courses
- To create new job and business possibilities
- 60 telecenters will be established before the end of the year, and another 100 during next year

Thank you for your attention!

For your additional information:

http://www.mtc.government.bg

e-Bulgaria Report 2004 is available at: http://www.arcfund.net

Contact: e-mail: nstoyanova@mtc.government.bg