

Global indicators workshop on community access to ICT's

Community access to ICT measuring, estimating, monitoring BiH model

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Thoughts at the beginning



The availability of data and faster computer processing are expanding at an unprecedented pace. The benefit for better decision making will depend critically on human interface:

> understanding of information and communication of that understanding.

> > Dr. Pavle Sicherl, Presentation at the workshop Benchmarking the Information Society: Data, Measurement and Methods, Cavtat, Croatia, 7-9 June 2004

Contents of the presentation





- > WSIS reflection on BiH
- > ICT infrastructure in BiH
- > Established system

> Initiative

WSIS (Geneva 2003): an ambitious action plan



- **1.** Governments and stakeholders to promote ICT4D
- 2. Develop the foundation of Infformation Society:: ICIT Infrastructure
- 3. Broaden access to knowledge
- 4. Contribute to capacity building and ICT literacy
- 5. Build confidence and security in the use of ICTs
- 6. Establish an enabling environment
- 7. Develop ICT applications within the framework of national e-strategies
- 8. Develop local content, stimulate cultural and linguistic diversity
- 9. Recognize the essential role of the Media in the development of the IS
- 10. Promote the common good and abusive use of ICT (ethical dimension)
- 11. International and Regional Cooperation to implement this action plan

Governments and stakeholders to promote ICT4D BiH:



Telecommunications Sector Policy – (USO)

"... to provide the whole population of Bosnia and Herzegovina at affordable prices access to public switched voice telephone services (as an important social category) as well as access to Internet (as a basis of faster economic development of society and fuller integration into global trends)".

Quotation from the Telecommunications Sector Policy of BiH

Governments and stakeholders to promote ICT4D BiH:



BiH ICT Policy, Strategy, Action Plan

Prepared by domestic experts
supported by the Council of Ministers of BiH
financed by UNDP BiH
Reviewed by both domestic and foreign experts
Reviewed by the Government
To be adopted by the end of 2004

BiH ICT infrastructure

- S dominant telecom operators
- S mobile GSM networks
- ♦ 65 network operators
- \$\$ 41 Internet Service Providers
 (ISPs)
- \gg >95% of network digitalization;
- >75% of inhabitants live within the area of technical coverage of a fixed network
- >80% of inhabitants live within the GSM signal coverage;
- \gg >95% of households has electricity
- \Rightarrow >90% of households has TV sets







BiH ICT infrastructure: Internet penetration? INTERNET: from pessimistic to...





Describe the current situation;
Identify the need for ICT investment;
Identify the need for policy and law changes;
Compare and select best practice;

Problems

Solution State State

Approach we chose



develop a system based on international recommendations and, if possible, practice:

𝔅 for measuring availability of community access;

♦ for estimating the demand for community access;

About the established system





Based on GIS model of BiH
 Entities
 Municipalities

Solution Version Section Codes

Model used for measuring, estimating, monitoring





Positioning Calculation

- List of communities within technical coverage (certain distance from the node);
- Solution Number of inhabitants;
- ✤ Installed capacity;
- System Type of available services;

Estimation and assessment could be based on international guidelines: e.g. ITU SG2 REPORT ON QUESTION 4/2 -Communications for rural and remote areas;

Developed to be flexible



Switching nodes or Community access centres or... Technique for estimating the demand for community access based on e.g: Number of inhabitants; Waiting list; Distance to first access point...

This technique could be used for community access measuring, estimating, monitoring **Projects/initiatives linked to measuring community access**



The Project: "Developement of common information system in support of measuring and monitoring of community access"

So to be developed within the framework of ITU Action Plan

Solution To be based on administrative model of the countries; Solution To be enhanced through the use of GIS;

Solution To use the good experience of a common BiH - ITU project ("Establishment of e-Regulator")



Thank You for Your Attention

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