



Digital Opportunity Forum DOF



Seoul, Korea

August 31 - September 1, 2006

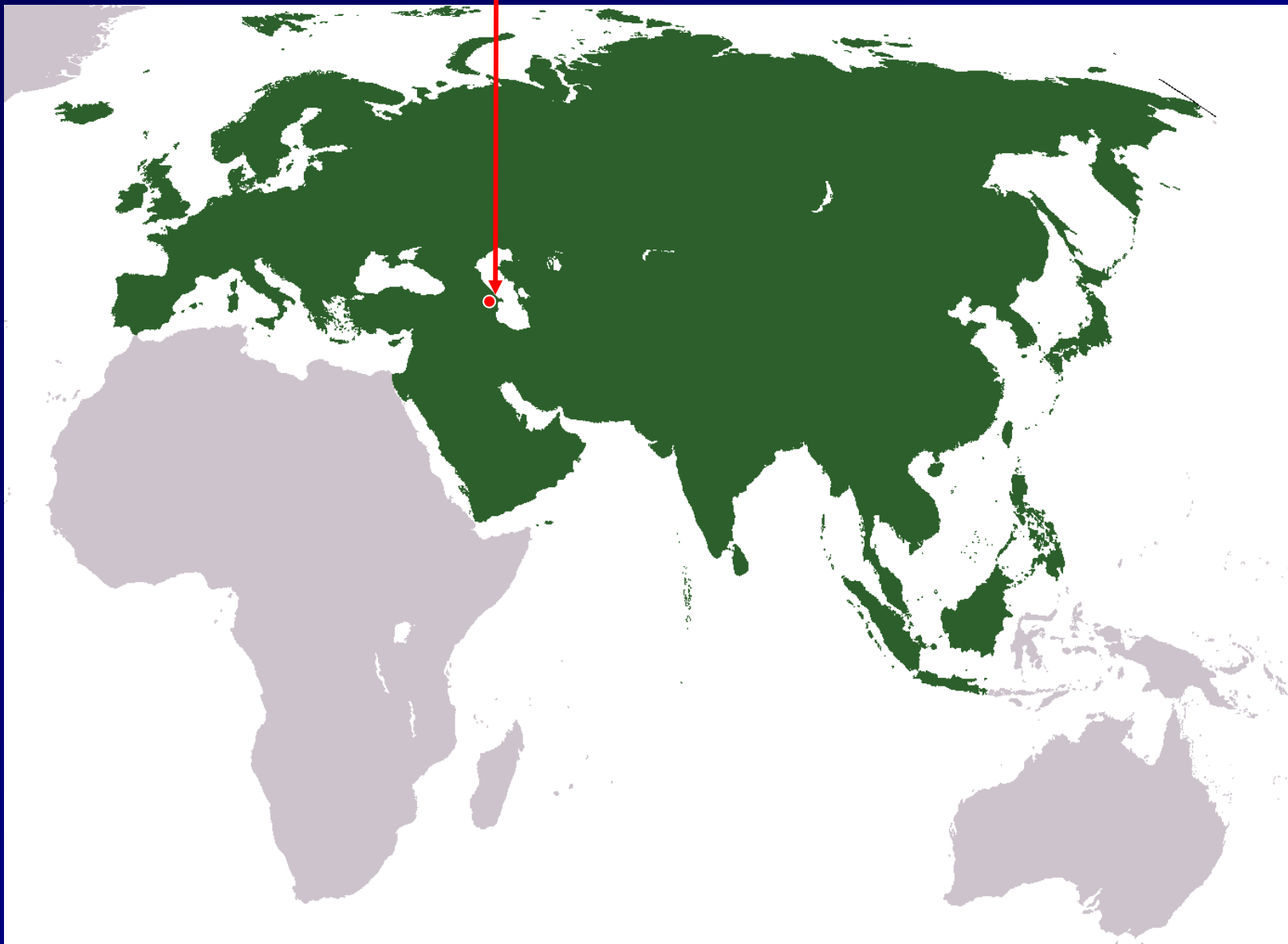
The National Information Communication Technology Strategy of Azerbaijan and key indicators on Information society statistics



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Azerbaijan Republic





Azerbaijan Republic

Territory:

86600 sq. km.

Population:

8436.4 thsd. person

Capital:

Baku

Turkey

Azerbaijan has the largest territory in South Caucasus, natural, manpower and industry resources, scientific and technical potential, ancient culture



Difficulties and problems



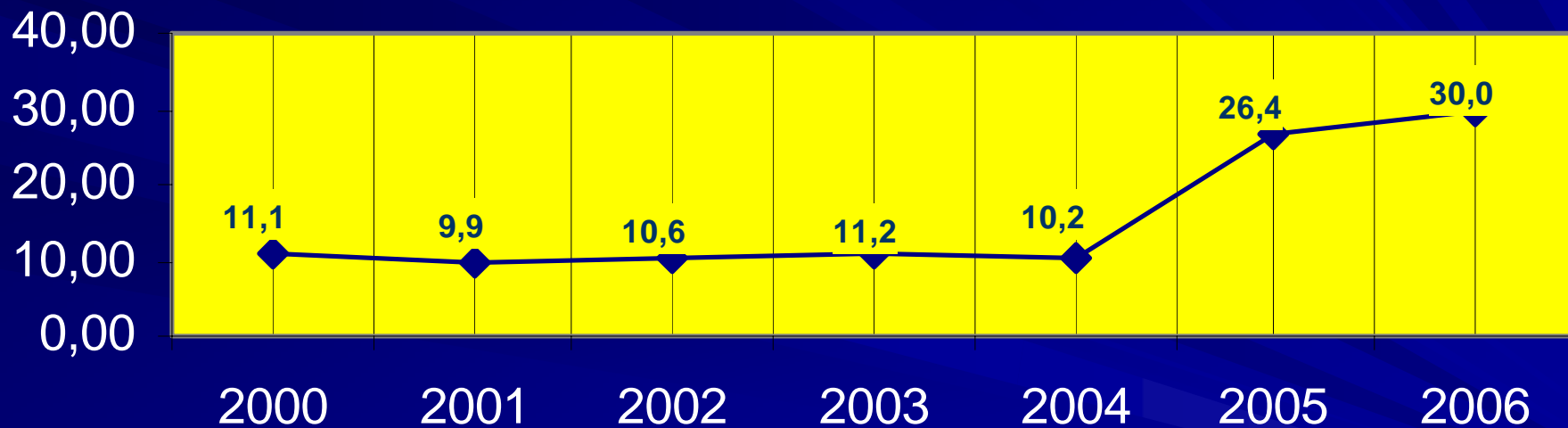
- in connection with transition period of the country and existence of over one million refugees and IDPs as a result of occupation of 20% territory of Republic of Azerbaijan by Armenian Republic, the government can't allocate sufficient financial means for ICTs application
- legislative base regulating the usage of ICTs was not comprehensive
- the population was poorly aware about advantages and opportunities of the ICTs
- the disciplines connected with ICTs at all levels of educational process didn't meet the up to date requirements
- there was a serious "digital divide" between rural and urban areas of Azerbaijan
- there were serious problems with broad usage of Azerbaijani language in the ICTs sphere, especially lack of Azerbaijani language support in software
- telecommunication tariffs have created serious obstacles to using



Starting from 1996 Azerbaijan experiences the period of stable political growth.

By a pace of economic development Azerbaijan is the most progressive country of the world. Growth of GDP in 2005 was 26,4%, in the first half of 2006 – 30%.

Gross Domestic Product (GDP) growth



Main socio-economic indicators (according to the previous year, per cent)



	1995	2000	2001	2002	2003	2004	2005
Number of population (end of the year)	101.1	100.8	100.8	100.8	100.8	100.99	101.1
Gross domestic product	88.2	111.1	109.9	110.6	111.2	110.2	126.4
Industrial products	78.6	106.9	105.1	103.6	106.1	105.7	133.5
Investments	82	103	121	184.2	173.5	136.2	116.6
Agricultural products	93	112.1	111.1	106.4	105.6	104.6	107.5
Freight turnover in transport	85.1	107.7	115.7	109.9	109.9	105	113.5
Retail trade turnover circulation at all branches of sale total	102.3	109.8	109.9	109.6	110.9	113	113.2
Paid services for population by all kind of services	75.6	105.8	105.6	107.1	111.7	116.4	126.1
Volume of foreign trade, mln US dollars	91.2	148.4	128.4	102.3	136.1	136.7	120.0
Money income of population	5.5d.	108.8	108.3	111.6	117.3	120.7	127.0
Money income per capita, thsd. manat	5.4d.	107.9	107.4	110.8	116.4	119.6	125.7
Average nominal monthly wage, manat	407.6	120.2	117.3	121.3	122.7	124.9	121.9
Number of registered unemployed, person	120	96.7	110.8	105.2	106.7	102.9	100.7

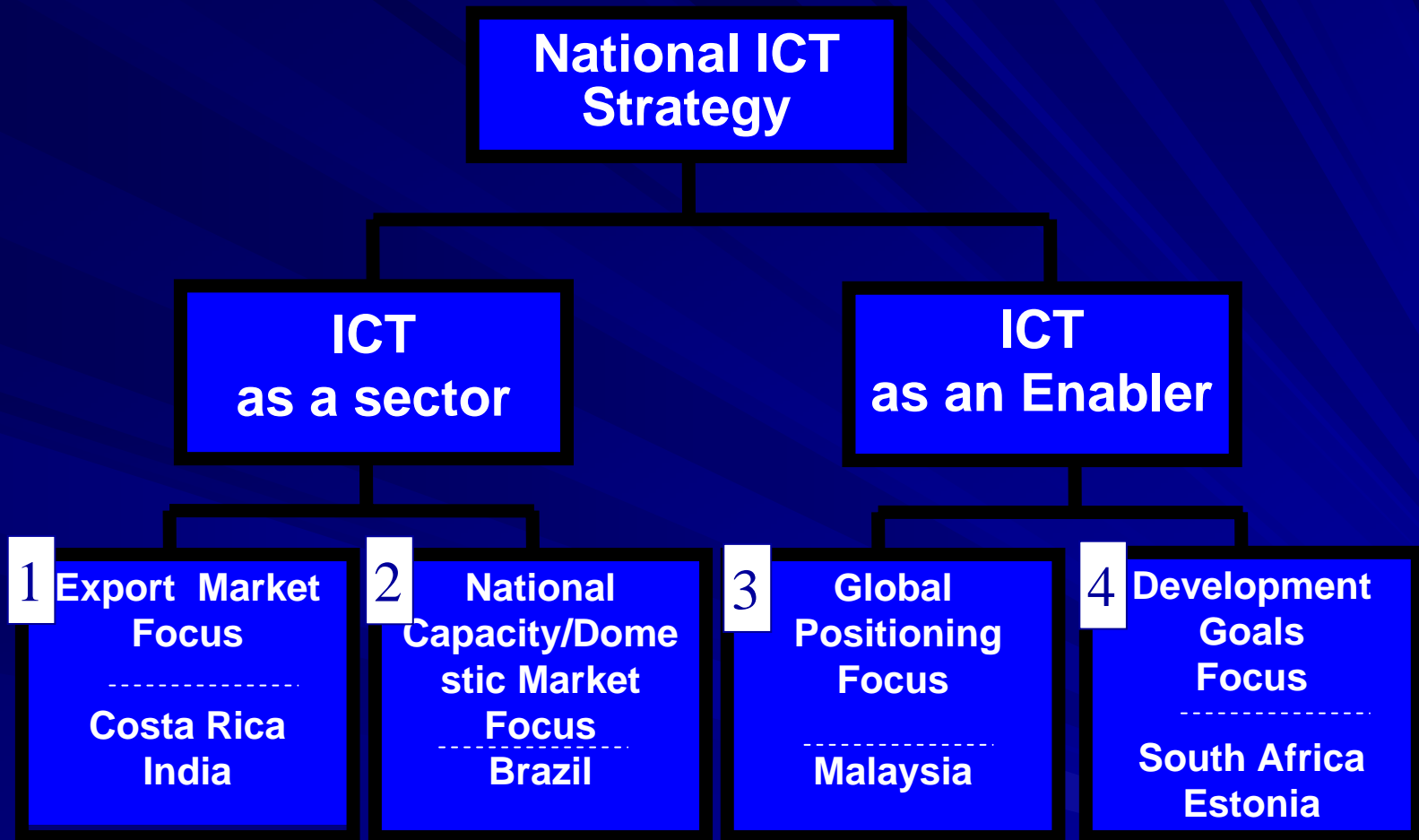


On February 7, 2002 the joint project "National Information Communication Technology Strategy (NICTS) development and its initial implementation in the Republic of Azerbaijan" between the Government of Azerbaijan and UNDP was signed.



On February 17, 2003 the National ICT Strategy for 2003-2012 years was adopted

The role of ICT in National Strategies



WE USED MIXED APPROACH:

1 Export Market Focus and **4** Development Goals Focus



The aim of the Strategy:

Via wide application of information-communication technologies promote democracy and build information society in the country

The main directions of the activities in the sphere of ICT are:

- **Improvement of the education system by wide use of ICT, preparation of the national personnel on information-communication technologies and provision of sufficient ICT-literacy.**
- **Use of ICT in socially oriented spheres (healthcare, social security).**
- **Development of telecommunications infrastructure.**
- **Forming e-government and its development.**

Main issues



- National Information and Communication Technologies Strategy for the development of the Republic of Azerbaijan
- Information Technology Country Profile – Export Potential the Republic of Azerbaijan
- E-readiness of the Republic of Azerbaijan
- Towards a Knowledge-based Economy. Azerbaijan Country readiness assessment Report



ICT policy

- The Law of Azerbaijan Republic on “ The electron signature and the electron document” in Azerbaijan has provided the favourable condition for creating of the electron document circulation and the development of new processes applying the electron signature (June 01, 2004)
- Adoption on August 21, 2004 of the “State program on informatization of secondary schools” for provision of all secondary schools in Azerbaijan Republic (more than 4500) with computers (1 computer per 33 pupils) and Internet connection for the 2005-2007 yy.



Laws of Azerbaijan Republic

- “on the post”
- “on the legal protection of the information collection”
- “on telecommunications”
- “on the electron communications”
- “on the information freedom”

were approved in 2004-2005 years

The projects which are being implemented currently



- “Internet Access and Infrastructure Development for research, educational and civil society development purposes” (AzNET), 2004-2006
- “National E – Government Network Initiative”, 2004-2007
- Regional e-Government Training and Resource Centre (REGTARC), 2006-2007

AzNET

2004-2006

www.aznet.org/



The Project will facilitate and streamline data both within educational and academic sectors of the country as well as with their foreign colleagues enabling expansion of information exchange between regions and interested parties both inside and outside of Azerbaijan. Another important feature of the project is its consolidating nature since all the key players will concert their efforts in the respective sector

E – Government

2004-2007



www.e-government.az

- **creation of the national backbone data transmission network “AzDATACOM” which will provide high-speed connection for the regions and Baku city**
- **creation G2G connection between governmental organizations by establishing information exchange platforms and improving the ICT infrastructure within the governmental agencies (Public Key Infrastructure, Government Intranet, standardized Government Management Information Strategies, common data platforms, shared databases)**
- **development of e-government services for citizens and businesses (G2C and G2B)**



Regional e-Government Training and Resource Centre (REGTARC) 2006-2007

The Regional e-Government Training and Resource Centre will provide tools for supporting the rapid and coordinated expansion of e-governance in Azerbaijan and neighbour countries based on network and infrastructure created in the framework of “National e-Governance Network Initiative” project

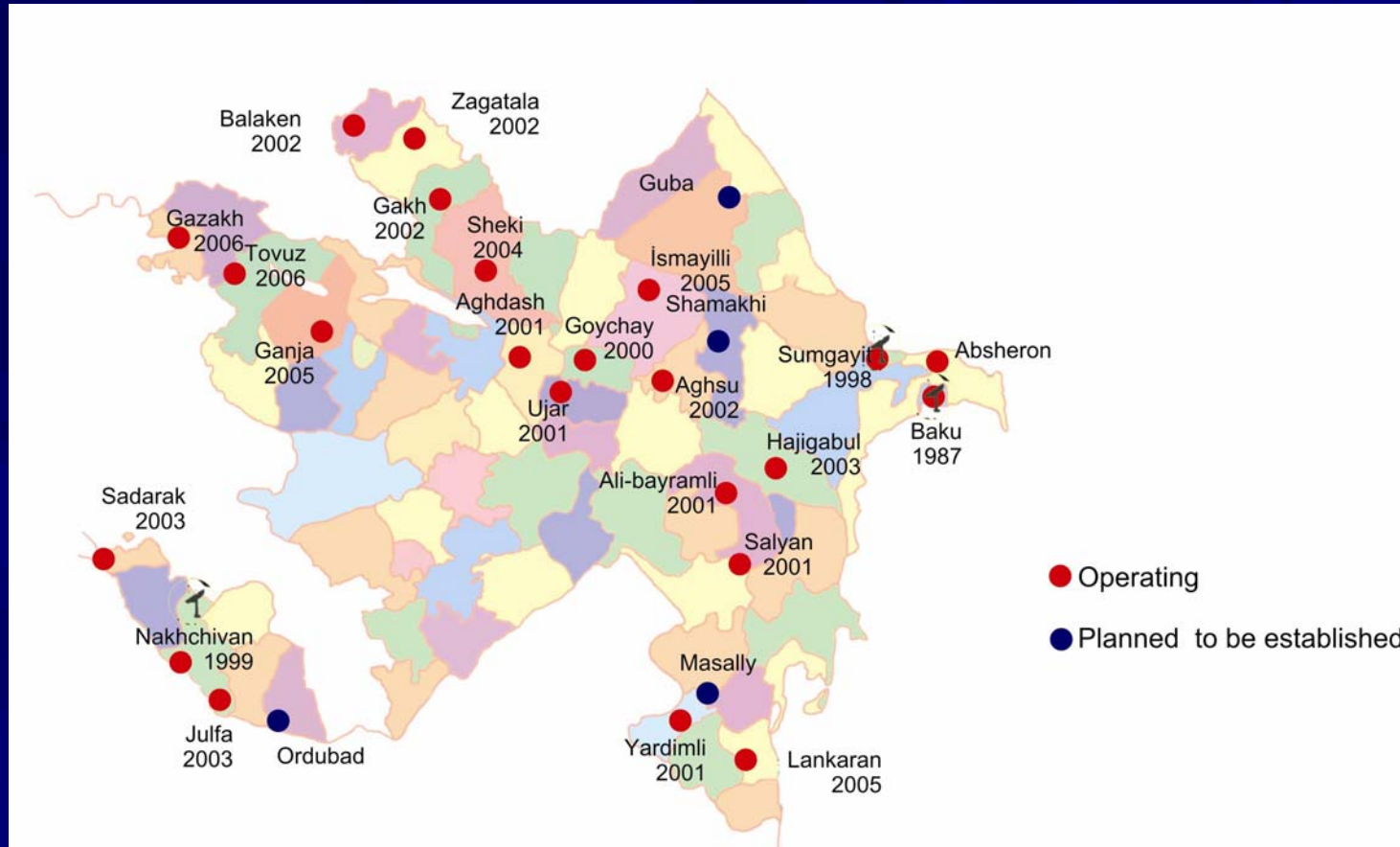
Objectives:

- **Training of Regional e-Government Training and Resource Centre staff;**
- **Preparation of Syllabus and Training in ICT and e-Government :**
 - **Training courses for increasing ICT literacy of government employees**
 - **Training courses for increasing ICT knowledge and experience of school teachers**
 - **Training for civilian and government authorities in e-Government**
 - **Training for IT specialists in network and system administration**

Objectives:

- **Citizen – to - Government Information services:**
 - Installation of Citizen - to Government Information kiosks in 2 regions: Mingechevir and Gobustan
 - Rendering services

- **Automated System for executive power office:**
 - Development of Automated System for executive power office
 - Application of developed Automated System to executive power offices in Mingechevir and Gobustan



The project is based on the existing infrastructure and manpower of the Baku Scientific and Training Centre. BSTC has 16 branches in different regions of Azerbaijan and part of trainings will be carried out in regional centres



Azerbaijan took an active part in preparation and holding of World Summits in Geneva (2003) and Tunis (2005) and declared its decision to take concrete steps toward establishing “E-Government” playing an important role in human development.

The economic and political stability achieved in Azerbaijan within the last years provides basis for the successful achievement of the goal.



State program on development of communication and information technologies in Azerbaijan Republic within 2005-2008”

(Electron Azerbaijan)

The State Program is based on the infrastructure established in the framework of “e-Government” project and includes more than 50 projects

Electron Azerbaijan



PILOT PROJECTS realising by Ministry of Communication and Information Technologies of Azerbaijan Republic

- “E-Shamakhi” project for foundation of telecommunication infrastructure of Shamakhi region on the base of New Generation Network
- Establishment of International ICT University in Azerbaijan
- Creation of special economic zones with the aim of arranging production and consumption of ICT output, turning Azerbaijan to transit economic region, developing telecommunication infrastructure and training of manpower for economic zones



PILOT PROJECTS realising by Ministry of Communication and Information Technologies of Azerbaijan Republic

- On October 10, 2004 a digital TV system was applied as a pilot project for the first time. Following the advice of International Telecommunication Union (ITU) Azerbaijan will fully pass to digital broadcasting till 2015 y
- It is planned to launch artificial satellite in Azerbaijan in 2008



DOI for AZERBAIJAN

01.12.05

Economy	Opportunity	Infrastructure	Utilization	DOI
Azerbaijan	0,93	0,22	0,05	0,40

DOI for AZERBAIJAN



OPPORTUNITY	percentage	index	Average index
Percentage of population covered by mobile celluar telephony	99%	0.99	0.93
Mobile celluar tariffs as a percentage of per capita income	15.5%	0.85	
Internet access tariffs as a percentage of per capita income	4.3%	0.96	
INFRASTRUCTURE	percentage	index	Average index
Proportion of households with fixed line telephony	61%	0.61	0.22
Mobile cellular subscriber per 100 inhabitants	27%	0.27	
Proportion of households with internet access at home	16.6%	0.17	
Mobile internet subscribers per 100 inhabitants	0.4%	0	
Proportion of haouseholds with a computer	7.3%	0.07	
UTILIZATION	percentage	index	Average index
Internet users per 100 inhabitants	8%	0.08	0.05
Ration of fixed broadband internet subscribers to total internet subscribers	6.5%	0.07	
Ratio of mobile broadband internet subscribers to mobile internet subscribers	5%	0	
DOI			0.40



Baku Scientific and Training Centre

BSTC is one of the leading training centres in ICT field in Azerbaijan and one of the first organisations which implemented international projects in IT fields since 1996 y.

International Cooperation



Projects of UNESCO/UNDP implemented by BSTC

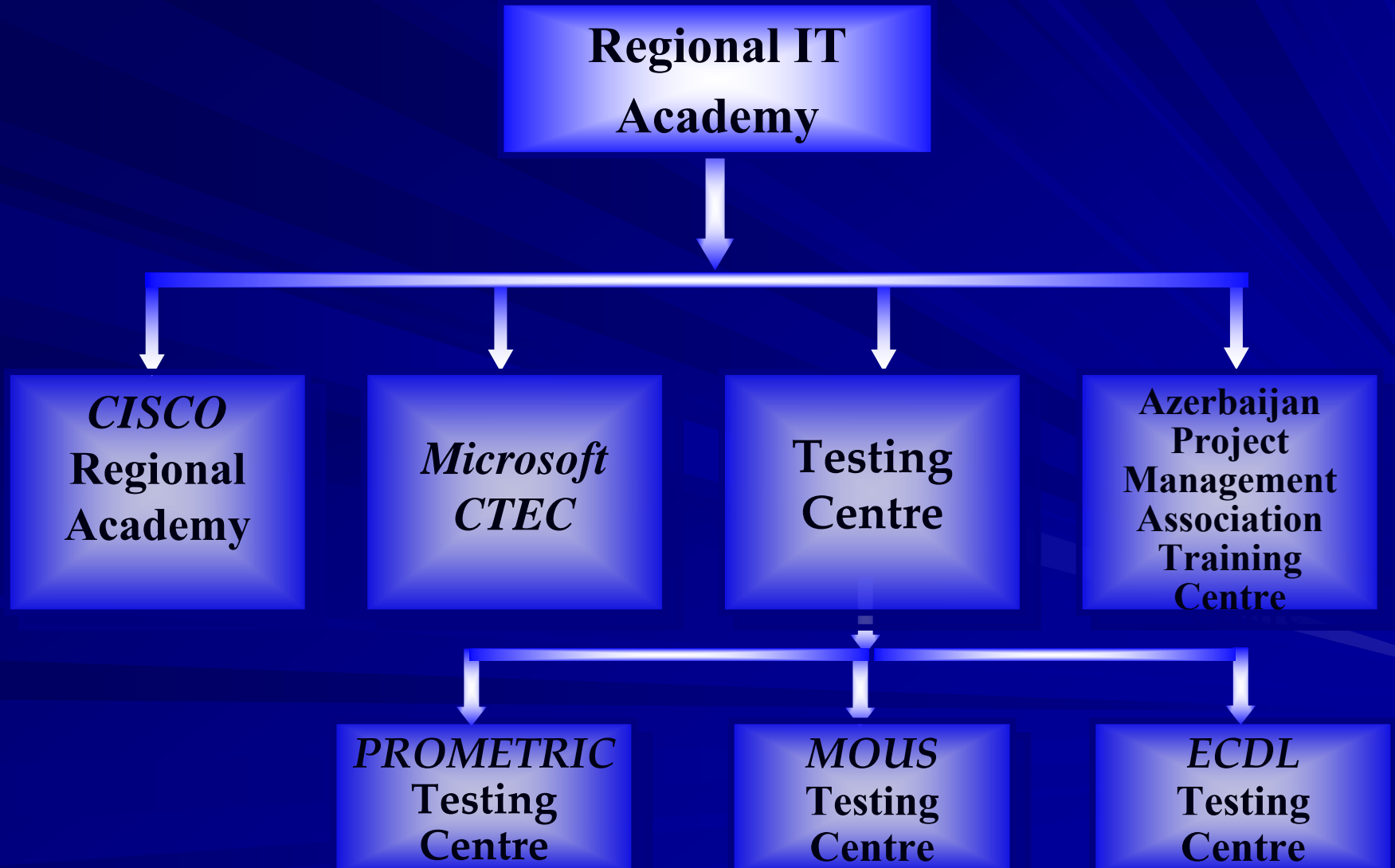
- **Strengthening of Computer and Technology and Training Centre for Azerbaijan (1995-1997)**
- **Establishment of Sumgait Computer Centre for Training and Information and Telecommunications Services (1996-1999)**
- **Establishment of Nakhchivan Computer Centre for Training and Business Information Services (1998-2000)**
- **Establishment of Regional Academy for Online Network Governance and System Administration (RAONGSA) (2001-2003)**



International Cooperation



On the basis of BSTC the first in the South Caucasus Regional IT Academy has been established





Baku Scientific and Training Centre

BSTC is a National Contact Point of
IST (Information Society Technologies)
Programme of European Commission

IST EC projects implemented by BSTC

The logo for STAGGIS, with the word in green, bold, sans-serif capital letters.

**Support for Telematics Application Cooperation with the
Commonwealth of Independent States
(1996-1999)**

The logo for WIST CIS, with the letters 'WIST' in the top row and 'CIS' in the bottom row, each letter in a separate blue square.

**New Methods of Working for Information Society
Technologies Programme Promotion to
Commonwealth of Independent States
(2000-2003)**

The logo for TELE SOL, with the letters 'TELE' in the top row and 'SOL' in the bottom row, each letter in a separate orange square.

**Telework Solutions for Promotion of EU Cooperation
in Business and Research with the Commonwealth of
Independent States
(2002-2005)**

The logo for Tristan - East, featuring a stylized figure holding hands with a star, and the text 'Tristan - East' below it.

**Training of IST multipliers and Awareness Nurturing in
the 3-rd Countries of EAST Europe (NIS)
(2003-2005)**

The logo for ideal-ist extend, featuring a stylized figure holding hands with a star, and the text 'ideal-ist extend' below it.

**IDEALIST-extend – assistance in Partner Search for
participation in IST EC projects
(2005-2006)**



Last international projects of Baku Scientific and Training Centre

- **RADIT** (Regional Academy of Digital Image Technologies), 2003-2006
UNESCO, UNDP, NII of Japan
- **REGTARC** (Regional e-Government Training and Resource Centre), 2005-2007
UNESCO, UNDP, CYBION (Italy)



- “Azerbaijan Development Gateway” www.gateway.az World Bank
- “Capacity building for the State Social Protection Fund of Azerbaijan Republic” project applying ICT to pension, social assistance and market labour system
www.pensionreform.az World Bank
- Wide Territory Network for Ministry of Taxes
www.taxes.gov.az
- The State Agency on Standardization, Metrology and Patents
www.azstand.gov.az UNDP



International Cooperation



ELECTIONS Information Centre

Joint project of Azerbaijan government - UNDP

www.infocenter.gov.az

Main functions

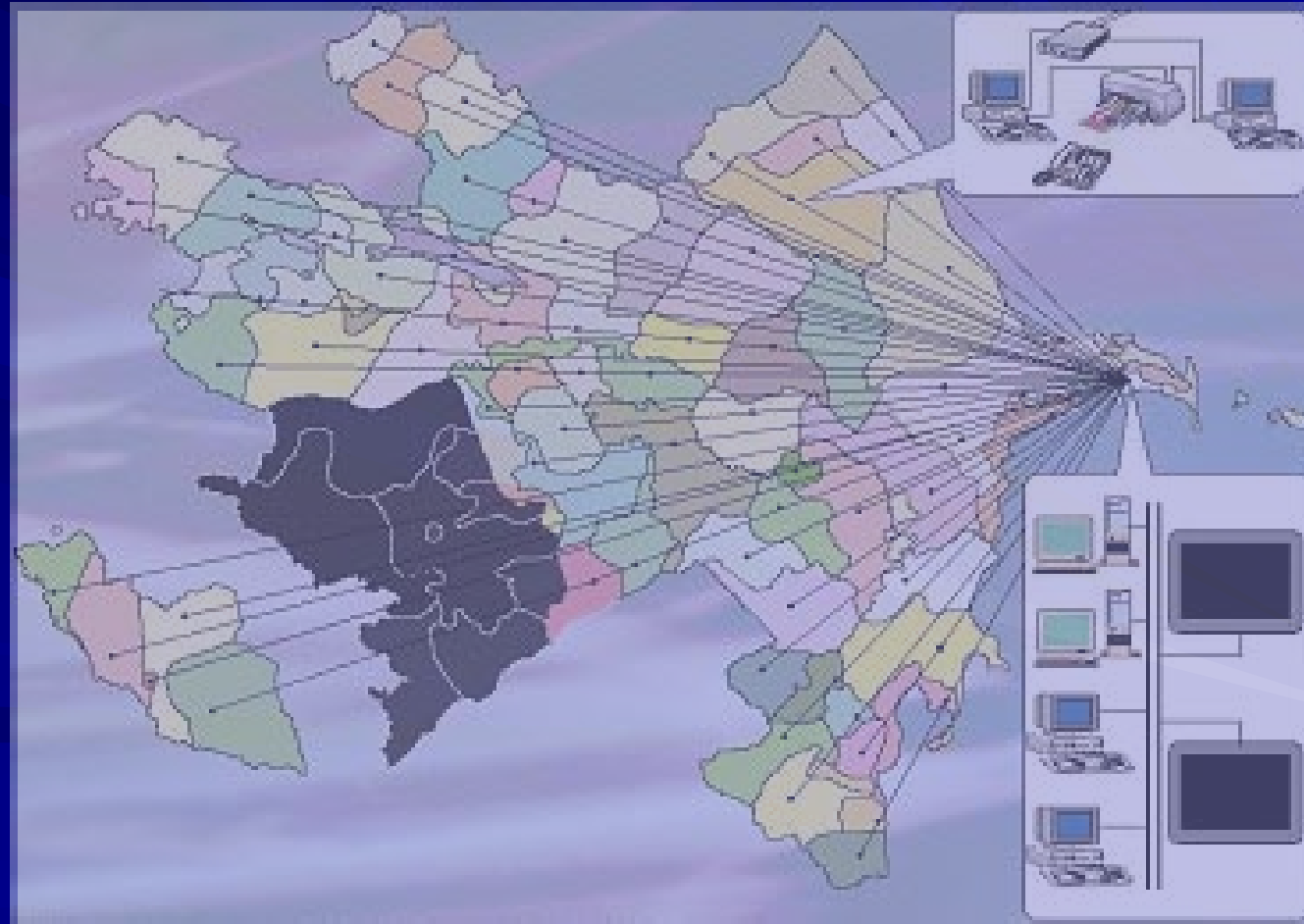
- ✧ Establishing information databases regarding the registration of electors' and normative legal acts about elections.
- ✧ Providing an effective and accessible State Automated Information System during the whole pre-election process as well as during the actual elections.
- ✧ Maintaining an updated electoral roll.



ELECTIONS Information Centre

Joint project of Azerbaijan government - UNDP
www.infocenter.gov.az

The Information Center is provided with the necessary computer technology, telecommunication devices and indicator boards to be able to receive information from 70 districts and polling stations at the same time.





The State Customs Committee

Joint project of Azerbaijan government - UNDP

Capacity Building and Data Transmission Network Implementation for the State Customs Committee of Azerbaijan Republic

The main goal of the project is to enhance the technical potential and operational effectiveness of the SCC.

This project gained an appreciation among EU ICT projects and is being given as an example for application in neighboring states.

International Cooperation State Customs Committee



Joint project of Azerbaijan government - UNDP

www.scc-undp.org

Data Transmission Network





State Students Admission Commission

Joint project of Azerbaijan government - UNDP

www.tqdk.gov.az

The State Student Admission Commission (SSAC) organizes the admission of students to all higher schools of the Republic of Azerbaijan.

The State Student Admission Commission is the first institution which applies computer technology to mass processes. Automated Computer System of the SSAC is the first successful example of e-government in Azerbaijan.

In according to regulations admission of students in Azerbaijan Universities performed by testing the applicants in centralized form.



Selection of personnel for ruling the examinations, grouping of applicants in the rooms for examination, selection of test exercises in the data bank, processing of results have been completely automated and computerized.

All entrants can get information about exam results from Web-page of SSAC and via mobile phones.



State Register - state information bank

With the purpose of

- gathering and renewing information on population distribution and structure, area and direction of migration and other significant data
- providing state bodies and individuals with that information

creation of “**State Register - state information bank**” has been started in 2004

Information bank contains data on all the citizens of the Republic of Azerbaijan, including visiting aliens and the persons who have no citizenship.



Government of Azerbaijan –

Canadian Bank Note Company

Creation computerized issuing system for both ID cards and passports. Additionally the system ensures the maintenance of a central database and perform border control functions. The solution also includes portable document inspection devices . A Personal Identification Management System (PIMS) concept has been developed for governments. The system has the capacity to link all the government document issuance, inspection and tracking systems to a centralized database.



COOPERATION with KOREA

- **The first representative of Azerbaijan took part in KOIL IT Learning program in 1999**
- **Four staff members of Baku Scientific and Training Centre participated in KOIL training for high and middle level IT managers in 2002**
- **Republic of Korea has also contributed to RAONGSA project of BSTC and assisted in providing of IT Academy with modern equipment**
- **REGTARC project of BSTC envisages carrying out training for governmental authorities and employees on e-governance and in implementation of this objective we hope on assistance of the Korea Agency for Digital Opportunity and Promotion of The Republic of Korea.**

COOPERATION with KOREA



- Visit of the President of Korea Republic to Azerbaijan.
- Signing a Memorandum of Understanding between the Ministry of Information and Communication of the Republic of Korea and the Ministry of Communications and Information Technologies of the Republic of Azerbaijan on Cooperation in Information and Communications Technology
- ICT Conference with participation of Korean specialists and representatives of IT community of Azerbaijan



11 May, 2006 in Baku, Azerbaijan

COOPERATION with KOREA



- **Signing a Memorandum of Understanding between Baku Scientific and Training Centre and KADO on cooperation in the field of overcoming digital divide**



11 May, 2006 in Baku, Azerbaijan

COOPERATION with KOREA



- Following to the visit of Korea President to Azerbaijan, the visit of a delegation from the Ministry of Economic Development of Azerbaijan Republic took place on 15-23 August, 2006.
- Business Forum with participation of Korean and Azerbaijani businessmen was carried out on 26-29 August, 2006. About 50 businessmen from Korea took part at the Business Forum.
- At present government of Korea offers a technical assistance by way of long-term credit in amount of 30 million USD for realization of E-Azerbaijan project.

Trade turnover between our states is being mostly realized through the third countries. We have to fight for directly cooperation between the firms of Korea and Azerbaijan.

COOPERATION with KOREA



For further development and successful achievement of the goals in the field of Information and Communication Technologies it will be very important for Azerbaijan to exchange the information, specialists, researchers, exchange the experience and knowledge, technical training and know-how in creation of information society of one of the world's leading developed country as Korea Republic.



Thank you for attention !

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