

ROLE OF INTERNATIONAL ORGANIZATIONS IN THE DEVELOPMENT OF INFORMATION TECHNOLOGY IN GEORGIA

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In result of opening of the way to the west to the energy resources of Caspian Sea and Central Asia, expansion of the European Union and NATO the Black Sea Region acquired the transit corridor function and it became the European sea. Through it Georgia realizes its Euro-Atlantic aspirations and actively participates in Black Sea Economic Cooperation Organization (BSEC) and organization for democracy and economic development GUAM (Georgia, Ukraine, Azerbaijan, Moldova).

GRENA, the association of Georgian scientific-education computer networks plays significant role in expansion of the information and communication infrastructure in Georgia. Association GRENA was founded on 26th July 1999. Professor Ramaz Kvatadze, doctor of physical-mathematical sciences is the head (Executive Director) of GRENA from the date of its establishment [1].

At the international arena, GRENA extensively collaborates with the respective structures of NATO

and EU. Currently it is involved in such significant international projects as «SEE-GRID Infrastructure for Regional Science»; «Black Sea Union»; «Organization of the Communication Centers in the Southern Caucasus Countries»; «Improvement of Security and Development of GRENA Network Infrastructure»; «Functioning and Further Development of Georgian Scientific-Educational Computer Networks», etc.

GRENA creates information and communication infrastructure, takes care about training of the relevant professionals, offers to the users two-step education, based on CCNA and Network Security certified programs. CCNA course is the first step in formation of professionals in planning, installation and administration of the small and medium networks. It provides basis for all Cisco certificates. After completion of Network Security course the student will be able to reasonably plan the general system of network security, introduce and manage functional components of the network security, provide timely and competent response to the accidents. This course includes theoretical and practical training with network hardware of Cisco systems. Upon successful completion of the course the student receive the relevant certificate [1].

From its independence up to present, Georgia has made over 360 international agreements with the NATO member countries and 140 of them deal with the sphere of economics. Well developed international economic relations with NATO member countries are one of the preconditions for NATO membership. International trade relations should be particularly mentioned. Currently, large trade partners of Georgia are turkey, Germany, Italy, Netherlands, USA and Bulgaria. Significant share of the NATO and EU projects implemented in Georgia involves GRENA, Association of Georgian scientific-educational computer networks. GRENA implements the educational projects in close collaboration with the universities and scientific institutes, with the support from NATO scientific program, EU and fund Open Society – Georgia. Funding provided by them was EURO 1460500; 145700 and 410000, in the period 1999-2009, respectively [2].

Role of the software professionals in development of project management programs allowing management of several projects at one time is indeed significant. Programs provide application of such methods of project planning, as grant graphs, network diagrams, responsibility matrices etc. Use of the website program improves the work and allows information exchange between the teams working on one and the same projects in different regions. Currently information exchange, with respect of the project is possible via e-mail, telecommunications, fax and videoconferences. Association GRENA has the professional equipment of the videoconferences allowing conducting of the high quality videoconferences via internet.

it is included into the EveNetwork world videoconferences network. Project teams can arrange the meetings; e-mails are accompanied with the video messages. Individual programs of project management are related to the information systems of greater complexity providing coordination of several projects. These systems are connected to the central information system of the organization [1].

Support to development of information and communication infrastructure in Black Sea Countries implies better awareness in the most recent communication practices, new methods of work and trade, new forms of education and leisure, to allow people to be innovators, work with higher effectiveness and productivity to provide basis for improvement of life quality, what is a precondition for creation of the society aware in the digital systems. Education projects implemented by GRENA with the funding from NATO, EU, Open Society – Georgia, International Center of Science and Technologies and Center of Science and technologies of Ukraine promote introduction of know-how in the Black Sea Countries, provides to the people the opportunity to acquire the necessary knowledge of new technologies, improves the level of their competence [2].

Organization of Black Sea Economic Cooperation has great potential for implementation of mutually beneficial regional projects though contradictions between the member countries often hinder development of actual cooperation. Example of this is aggressive politics of Russia against Georgia in August 2008 what is completely against the principles of the Organization, undermines its effectiveness and calls for reformation of BSEC with respect of improvement of its effectiveness.

Literature

1. GRENA – Georgian Research and Educational Networking Association [Electronic resource]. – Mode of access : <http://www.grena.ge>. – Date of access : 20.12.2013.
2. Georgia – NATO [Electronic resource]. – Mode of access : <http://www.eu-nato.gov.ge>. – Date of access : 20.12.2013.