


TELEMEDICINE IN GEORGIA

Georgian Telemedicine Union (Association)

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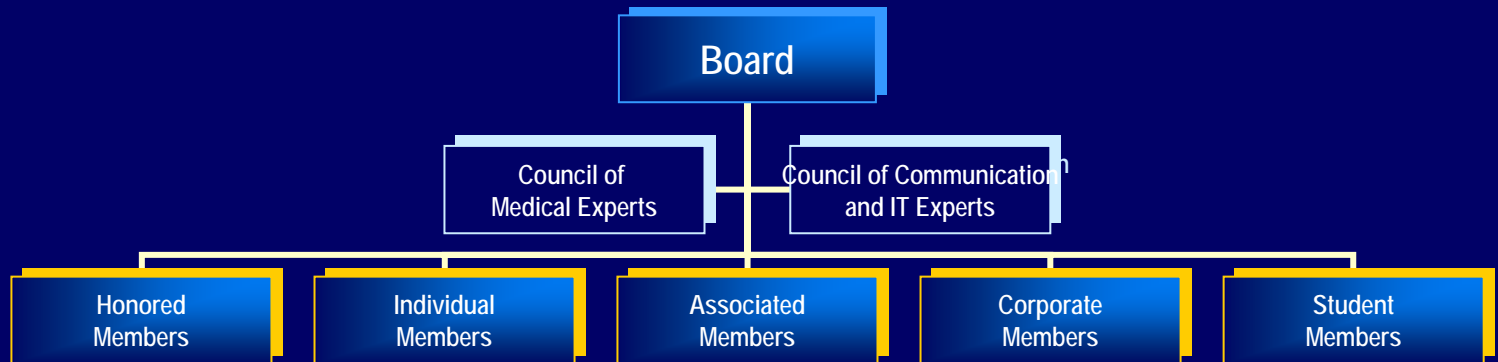


WHO WE ARE

- Georgian Telemedicine Union (GTU) is non governmental non profit organization
 - Its mission is the introduction of telemedicine and creation of e-Health net in Georgia for the aim to provide national medical community and the general population with a rapid, reliable and cost-effective way of medical consultations and medical education
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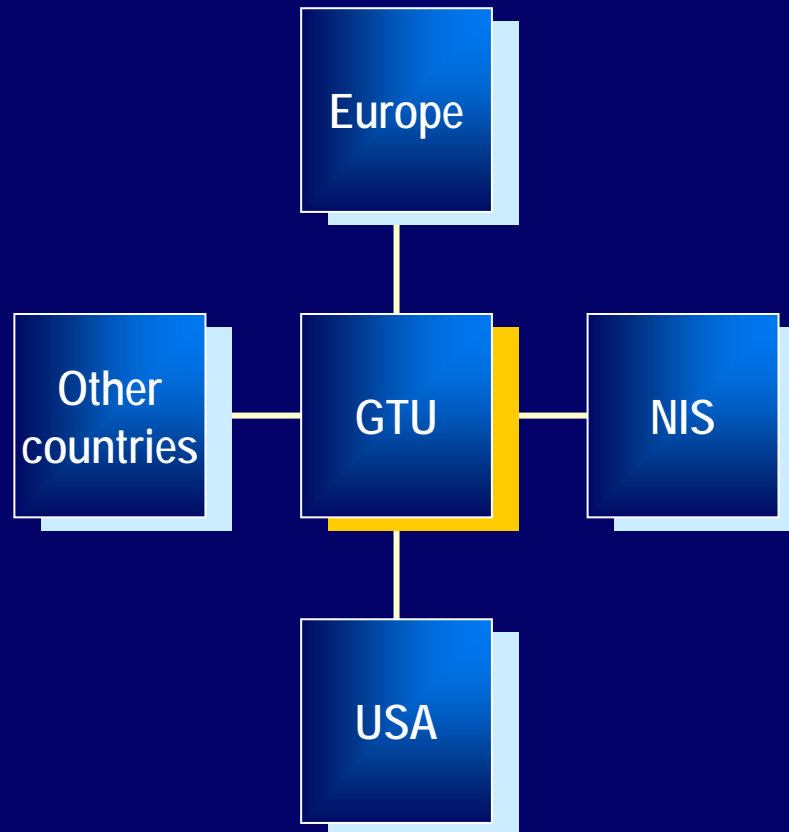


STRUCTURE





PARTNERS





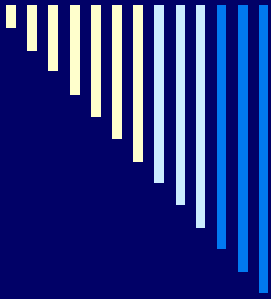
PROJECTS

- Tele-consultations
 - e-Learning
 - Virtual Health Care Center
 - A System to Fight HIV/AIDS, Tuberculosis and Malaria in BSEC Countries with a Help of Infocommunication Technologies
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Tele-consultations

- ❑ GTU is organizing and implementing remote consultations in different medical fields
 - ❑ The list of available medical fields was filled up step by step
 - ❑ They are realized as in static (through e-mail, specific servers and web-technologies) so in real-time on-line mode
 - ❑ At November 27th, 2004 GTU performed tele-consultation of the patient of Crimea Republic Children's Clinic
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Realization Schema

- Web-page
- iPath
- UICC-TPCC telepathology consultation server



Difficulties





e-Learning

- ❑ The lack of modern knowledge is obvious in Georgia
 - ❑ Systematic attendance of Georgian medical doctors and health care professionals in the international training and educational courses is impossible
 - ❑ e-Learning is an effective and economic tool to train and educate medical students, medical doctors and health care professionals in accordance with international standards
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Virtual Health Care Center

This is the joint initiative of GTU and the Institute of Pathology, University Hospital Charite which is realized through NATO Networking Infrastructure Project. The project aims to implement, evaluate and adapt telemedicine services for Georgia needs.

The service will consist of:

- a groupware environment for organizational process;
 - an e-Learning environment for the creation of learning material, courses about the service and medical problems;
 - a mail server;
 - a tool for video conferences.
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Virtual Health Care Center

The collaboration between Georgian capital - Tbilisi and regional city
- Kutaisi will be realized



Virtual Health Care Center

A set of software is installed (the operating system – Linux, a Webserver – Apache, a database engine –MySQL and a script language – PHP). The groupware tool project is installed too including a calendar, helpdesk, note, file manager, project planer, mail and some useful tools.



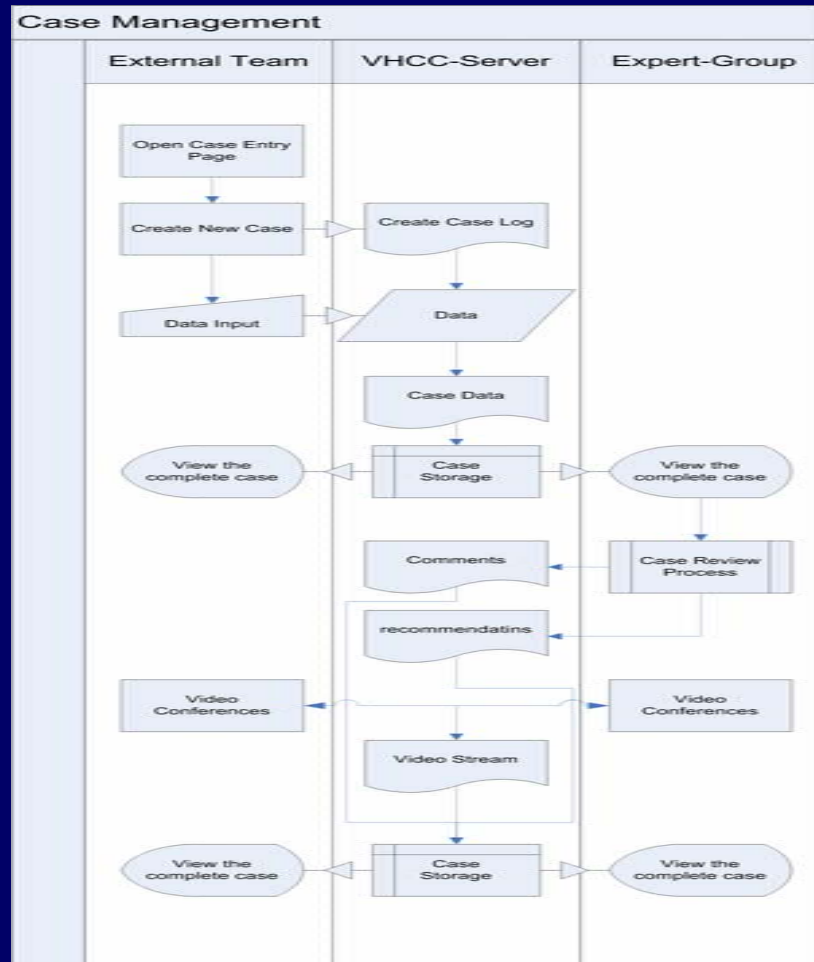


Virtual Health Care Center

Present activity:

1. Creation of Georgian participant organizations' list
 2. Creation of Expert groups (there will be created different groups regarding medical fields
 3. Creation of telemedicine unit in Kutaisi.
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Virtual Health Care Center

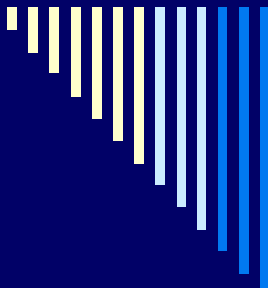




Virtual Health Care Center

Project deliverables:

- ❑ Conception of the Telemedicine Service including the analysis of requirements
 - ❑ Ready-To-Work-Telemedicine server
 - ❑ Status-Report about the connectivity of all team members and collaborating hospitals
 - ❑ Learning material for the use of the service
 - ❑ Status-Report about the video conference modality
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A System to Fight HIV/AIDS, Tuberculosis and Malaria in BSEC Countries with a Help of Infocommunication Technologies

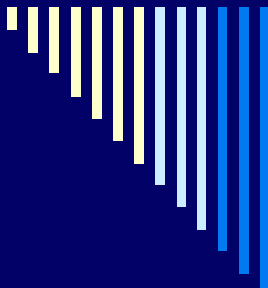
The main goal of Georgian Telemedicine Union (GTU) in the frames of BSEC project is to create a unified, transparent and resilient e-infrastructure available in demand in order to realize the best medical practice for HIV/AIDS, tuberculosis and malaria through the usage of tele-medicine applications.

GTU will realize the pilot fully operational online system of e-Health organizations, which will serve as the points of remote consultation, training and collaboration at regional, national and international level.

GTU will organize trainings for health care professionals.

First time in Georgia will be carried out psychology rehabilitation of patients. e-Learning is the integral and main tool.

The initiative will be resulted in concrete projects with participation of different BSEC, EU USA and Georgian research, health care and business institutions.



A System to Fight HIV/AIDS, Tuberculosis and Malaria in BSEC Countries with a Help of Infocommunication Technologies

The objectives:

1. To set up fully operational online system of e-Health organizations
 2. To study potential and perspectives of telemedicine in Georgia
 3. Training of health care professionals regarding HIV/AIDS, tuberculosis and malaria related topics
 4. Psychology rehabilitation of patients in e-Learning mode
 5. Increasing of the efficiency of health care organizations' service (organization of remote consultations, second opinion diagnosis and etc.)
 6. To develop a strategy to combat HIV/AIDS, tuberculosis and malaria with a help of e-Health applications.
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FUTURE PLANS AND ACTIVITIES

GTU is looking to work out and implement new projects. All of them will be dedicated to the increasing of efficacy and safety of medical service and improvement of educational process in the country.

Basing on GTU's experience it should be noted, that successful introduction of telemedicine services in developing countries requires more than just the delivery of the right hardware and software. The most important is to find right method of incorporating telemedicine services into practice and routine clinical consultations.

It is obvious that developing countries suffer from a severe shortage of healthcare professionals. Telemedicine could improve this situation; it could not only provide better health care in developing country but could provide better access to health care in general.



THANK YOU, VERY MUCH!

Any question?

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