

European Commission "Central Asian Research and Education Network" (CAREN) project implemented since 2009 in order to support research and education in Central Asian countries through improvement of the quality and speed of access to the European research and education networks. Second phase of the project- CAREN2 finished in August 2015. This program is intended for the Central Asian countries: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.

In order to implement the third phase of the program (2016 - 2020). The European Union prepared financial agreement between the EC and the Kyrgyz Republic. The third phase of CAREN project is aimed for further development of the applications (telemedicine, distance learning, e-culture, disaster risk management), and to achieve stability of the Kyrgyz Research and Education Network (KRENA).

November 26, 2015 Prime Minister Temir Sariyev signed decree of the Government of the Kyrgyz Republic №573-p for official approval of EC "Central-Asian Research and Education Network 3 (CAREN 3) project by this he authorized the Minister of Education and Science of the Kyrgyz Republic for signing Financing Agreement between the EC and the Kyrgyz Republic, with the right to make changes and additions to non-critical nature.

The purpose of the project is to combine national research and education networks (NRENs) of Central Asian countries into one regional network and to provide them with high-speed access channel to the Pan-European research and education network (GEANT) and the Internet, to facilitate the growth of an information exchange with European partners in the region. Creating of the CAREN network contributed to the development of regional cooperation and joint projects in such areas as: environment research, seismology, disaster risk management, telemedicine, distance learning, water resource management, the digitization of cultural heritage, etc. With help of CAREN infrastructure Kyrgyz universities have started to introduce methods of distance learning with their European partners, and leading medical centers and medical academy started to implement telemedicine and trained doctors in the regions on the basis of video connection with high resolution.

"Kyrgyz Research and Education Network Association" (KRENA) represents CAREN project in Kyrgyzstan. During the implementation of the CAREN project Kyrgyz scientific and educational institutions, users of KRENA (universities, colleges, schools, research centers and institutes, libraries) have been provided with high-speed Internet access, international scientific and educational electronic resources, have access to the European scientific and educational

GEANT network at speeds of 600 Mbps. also connected more than 40 schools in Bishkek city. Connecting schools to the research and education network will provide access to information resources, digital libraries and will improve the quality of education, provide them with basic and additional teaching materials for self-learning and leisure activities, to increase the effectiveness educating students of general secondary schools, conduct video lessons etc.