



# CENTRAL ASIAN RESEARCH AND EDUCATION NETWORK (CAREN)

## ABOUT US

The CAREN network, established in 2010, connects the national research and education network of four Central Asian countries: Kazakhstan (KAZRENA), Kyrgyzstan (KRENA), Tajikistan (TARENA) and Turkmenistan (TURENA).

CAREN provides the intra-regional connectivity between the Central Asian NRENs and inter-regional connections with Europe and other research and education communities around the world.

### Mission

The overall objective of CAREN is to decrease the digital divide and contribute to the modernization of the education and research sector in the region of Central Asia.

## WHAT WE DO

CAREN has enabled Central Asian universities and researchers to collaborate with peers in Europe and the rest of the world. Some examples are:

- **Central Asian Institute for Applied GeoSciences (CAIAG):** the CAIAG transfers data from their Geo Data Base regarding seismic events in Central Asia, glaciers monitoring, water level in rivers and geodynamics to the German Research Center for Geosciences in Potsdam, Germany. The institution implements important projects for the region such as the “Central Asian Water” sponsored by the German Ministry of Foreign Affairs, the “Earthquake Model for Central Asia” and the “Global Change Observatory for Glaciers.”
- **SCADA:** TURENA supports through CAREN the “Automation of Systems Management of the Supply Network” Project together with the Technical University of Hamburg (Germany).
- **Solar Energy:** Various energy related institutions in Turkmenistan collaborate through CAREN with the Autonomous University of Barcelona (Spain) and various other European universities. The goal of the collaboration is to create a management unit and system that supports the development of an educational platform through a Master’s level curricula and the development of ICT-supported teaching programmes for students and postgraduate (PE) students in the area of renewable energies and solar cell technology.

## IMPACT

- Increased awareness of UN-APCICT’s Academy modules in universities from Central Asian countries.
- Promotion of integration of Academy modules in educational programs.

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## PARTNERS

Partners	Collaboration
UN-APCICT	<ul style="list-style-type: none"> <li>Utilization of Academy modules for training.</li> <li>Organization of joint workshops.</li> </ul>
Trans-Eurasian Information Network (TEIN)	<ul style="list-style-type: none"> <li>Memorandum of Understanding between CAREN and TEIN signed in April 2013, Ashgabat, Turkmenistan.</li> <li>Collaboration in the areas of: telemedicine, disaster risk management, e-learning, e-culture, IPv6.</li> </ul>

## FUTURE PLANS

### Training: First CAREN Regional Conference

Date: 28-29 May 2014

Venue: Almaty, Kazakhstan

### Training for users of Kyrgyz Research and Education Network Association

Date: Autumn semester 2014

Venue: Kyrgyz Technical University, Bishkek

Target beneficiaries: Students and teachers of Central Asian universities and students of KTU.

### Expected support from APCICT and partners:

- Utilization of Academy modules.
- Participation in the First regional CAREN 2014 conference.
- Presentation of a new Academy module on social media.

### Other Plans:

The second phase of the CAREN Project started on October 1, 2013. This phase will be more focused on applications development (disaster risk management, e-learning, telemedicine, e-libraries, IPv6 and etc.) and strengthening human capacity building for Central Asian Research and Education Network Associations (NREN).