

**Foreign Languages Department  
held an online Social-educational event**

**Video competition in English:  
"Unem – qogam quaty: Renewable energy"  
as part of a special Roadmap project  
on 19<sup>th</sup> of February 2021 at 15.00**

The event was held online on Microsoft Teams, where more than 100 students, as well as the teaching staff of Foreign Languages Department took part.

At the very beginning, the senior teacher of German language Suleimenova Alfiya Khalitovna, as well as the members of the jury, associate professor of Foreign Languages Department, Ph.D. An Ekaterina Donginovna; doctoral student of KarU named after E.A. Buketov Alken Saltanat Khamzakyzy; English teacher, m.p.s. Kubeyeva Mara Maulitovna greeted all participants and guests.

1st year students of the group SIB 20-3 Petrova Anastasia and Muravlev Stanislav hosted the event, they greeted guests, spectators, talked about the relevance of renewable energy, introduced the participants of the competition.

The criteria for evaluating the performances of the participants were originality of the used material; knowing the content, literacy of speech, correct answers to questions and comments of the audience, cognition, relevance and information content of the video, lasting 4 minutes.

23 videos in English were submitted for the competition. First-year students of KTU presented their video work in mini-groups (2-5 people) in English, defending their projects, answering questions from the jury and other participants of the event.

Students of the Mining Faculty, specialties "Digital Aerial Photography", "Mine Surveying" presented a project on renewable energy obtained from sunlight, on the latest devices powered by solar batteries. Solar power plants are popular in Germany and Spain, and the increasing use of renewable energy is having other positive results. These technologies can create jobs, reduce local air pollution and reduce water consumption.

Contestants specializing in Computer Science showed interesting work on the use of water flows, wind, tides and geothermal energy in many European countries. Tidal energy uses the energy of the tides, in fact, the kinetic energy of the Earth's rotation. Sea wave energy harnesses the potential wave energy carried on the ocean surface. Compared to wind and solar energy, wave energy has a higher power density.

All information provided by the students was analyzed, in line with modern trends and innovations.

Students of the Mining Faculty, specializing in Mineral Processing, showed a project on biofuel. Bioenergy specializes in the production of energy from biological raw materials. They stressed that Brazil has one of the largest renewable energy programs in the world, related to the production of fuel ethanol from sugarcane. Ethyl alcohol

currently covers 18% of the country's demand for automotive fuel. Fuel ethanol is also widely used in the United States.

Students of the specialties "Power Engineering", "Construction", "Information Systems" presented information on statistical data, how such developments in the future will affect the life of people and the state of the environment in general. As almost two-thirds of the net increase in global energy capacity over the next five years will come from renewable energy sources. Highlighted that, the transition to a renewable, manageable, decarbonized energy system brings a range of social and economic benefits, including jobs.

In addition, to explain how renewable energy works, the contestants presented information about the latest developments, environmental projects and all the benefits of using it.

Students majoring in "Automation and Control" spoke about the need to support renewable energy sources, which is spelled out both in government documents, such as the Concept for the Transition to a "Green" Economy, and in international initiatives of Kazakhstan, for example, the Green Bridge Partnership Program. It focuses on the exchange of technologies and experience in the field of clean energy. According to the Ministry of Energy of Kazakhstan, the renewable energy market is growing from year to year. Kazakhstan sets itself ambitious goals to increase the share of renewable energy sources in the country's energy system. Now this figure is 1.3%, by the end of 2020 it is planned to increase it to 3%, and by 2030 - to 10%. The basic principle of using renewable energy is to extract it from processes constantly occurring in the environment or renewable organic resources and provide it for technical use. Unlike fossil fuels, most renewables are unlimited. And also renewable energy reduces the harmful effects on the environment.

We came to the conclusion that there are at least two reasons to develop renewable energy: environmental safety and energy independence.

Contestants, first-year students of KTU presented their video projects in mini-groups in English, defending their projects, answering questions from the jury and other participants of the event. These projects were aimed at acquiring new humanitarian knowledge about renewable energy sources, creating a low-carbon future, which are key tasks, which in turn play a vital, strategic role in meeting our energy needs now and in the future, as well as increasing knowledge of a foreign language future competitive specialists.

More than 60 students actively participated in the creation of their video works, discussed renewable energy in addition, as well as an alternative to fossil fuels, long-term prospects, compared the efficiency of use in different countries.

**Responsible for the event were** Head of the Foreign Languages Department, Ph.D., Associate Professor **Jantsova Damira Dulatovna**, responsible for the social-educational work of the department *Izotova Aigerim Serikovna*, a teacher of the department *Mustapaeva Oral Tulenbekovna*.

Competition winners were

1. Tsaf 20-2 Kabidenova Malika, Zaitova Saya - mentor, teacher Isina N.T.
2. MD 20-3 Kablanov Meir, Murzakhmetov Ruslan, Shayakhmetova Laura, Sugatov Nikita, Mayboroda Vladislav - mentor, senior teacher Izotova A.S.
3. GD 20-3 Zhanel Kadesova, Akpar Zhanel, Kaiyrzhan Zeynep, Amantay Dias - mentor, senior teacher Izotova A.S.

Winners in the nominations were

1. NOMINATION for the best Speaking Performance - OPI 20-1 Temirbai Darkhan - mentor, teacher Mustapaeva O.T.
2. NOMINATION for the Most Creative Video - TsAF-20-1 Almagul Bosova, Asyltas Qaltaeva - mentor, teacher Rakhmetova G.Sh.
3. NOMINATION for the best Originality of an Idea - VT 20-1sk Omarov Sherkhan - mentor, teacher Nurpeisova D.L.

**All participants** and winners received certificates from the Organizing Committee of the competition.

**Achieved Results:** exchange of experience, development of critical thinking, creative abilities of students, an increase in the number of prize-winners of creative, intellectual competitions, the acquisition of new humanitarian knowledge, an increase in knowledge of a foreign language.