International activity of National Research Irkutsk State Technical University in 2012

In 2012 the University hosted 1,606 international students from 10 CIS countries (Kazakhstan, Kyrgyzstan, Ukraine, Tajikistan, Turkmenistan, Uzbekistan, Azerbaijan, Armenia, Moldova, Byelorussia) and 19 foreign countries (Austria, Vietnam, Germany, Israel, Indonesia, Iraq, Yemen, China, Republic of Korea, Congo, Lebanon, Mongolia, Pakistan, Palestine, Poland, Slovakia, The USA, France, Switzerland). Pictures 1 and 2 represent foreign student body according to the countries of origin.

In 2012 53.48% of all foreign citizens were enrolled to degree programs (in 2011 52.63%), 43.15% – to the program of pre-university training at the International (Preparatory) Faculty (in 2011 38%), 3.37% – to short-term educational programs of ISTU, e.g. international schools, internships etc (in 2011 9.36%). Thus, while keeping the overall number of international students, the redistribution took place towards the increase of number of degree seeking students including PhD ones.

In the reporting year there were 859 degree seeking students, 693 students underwent pre-university training or took part in intensive Russian language
courses at the International (Preparatory) Faculty. Pre-university trainings were conducted according to 4 specializations: technical, economical, humanitarian and medical-biological.

58 international PhD students and trainees studied in 2012, including 50 full-time PhD students, 1 part-time PhD student, 41 government-financed students, 10 self-paid PhD students. The largest PhD student contingent is 33 PhD students from Vietnam. 9 PhD students successfully defended PhD dissertations in 2012.

Irkutsk State Technical University participated and became one of 50 winners of the first opened public competition among educational institutions within the jurisdiction of Ministry of Education and Science for accordance of the privilege for acceptance of compatriots and residents abroad permitted by Government of Russian Federation.

Picture 5.8 – Faculty distribution of foreign students

Pic. 5.8.

At pic. 5.9 The foreign citizens’ acceptance results of ISTU in comparison with the results of the universities of Irkutsk city in 2012.

Picture 5.9 – Fraction of foreign citizens accepted for studying at ISTU in 2012.

In 2012 the staff of the Department for International Cooperation has applied for 743 invitations for foreign citizens at the Board of Russian Federal Migration Service in Irkutsk region.
The Center for Expertise of foreign educational documents has issued 289 certificates on academic recognition of educational documents. Staff of the Center prepared and published guidelines (in three languages) for foreign citizens planning to come to Russia for study or professional activities as well as the textbook “Recognition of foreign qualifications: recommendations for express-analysis”.

In the reporting year the representatives of ISTU took part in diverse scientific and education events abroad:

- 120 university staff took part in international conferences and exhibitions abroad, went to foreign universities and organizations for research and academic internships, to establish cooperation etc;

- 53 ISTU undergraduate and postgraduate students went abroad for exchange study, language internships and practical trainings.

There were carried out 52 international events with participation of 482 foreign citizens at ISTU.

By the end of 2012 the University has had 130 cooperative agreements with foreign organizations and universities from 19 countries.

During 2012 the amount of financing by foreign funds for completion of research projects is 14,8 mln. rubles, including the amount of financing research and study internships is 5,7 mln. rubles.

In 2012 14 representatives of ISTU, the scholarship holders of Erasmus Mundus. Action 2, went abroad for study and scientific internships to universities of Germany, Austria and Poland;
1 PhD student and 3 students became Erasmus Mundus. Action 2 scholarship holders from Poland and Germany took internship at ISTU.
6 ISTU staff became DAAD scholarship holders and went abroad for research internships to universities of Germany.

During the reporting year academic staff and specialists from Germany, Poland, France, Denmark, Mongolia, Great Britain, China, Italy, Sweden, Holland, USA delivered lectures at ISTU, participated in the workshops on innovation activity development, on the project “Development and implementation of high-efficient technologies of projecting, design and technology planning, and production of MC21 aircraft” for public corporation “NPK-Irkut” in accordance with Russian Federation Government regulation 218, and other programs.

In June, 2012 a new laboratory was opened in the University in the framework of the project of state support of scientific researches under the supervision of leading

In October, 2012 ISTU and Otto-von-Guericke University (Magdeburg, Germany) signed the Agreement on establishment of Collaborative Power and Electrical Engineering Graduate Program “Smart energy systems”.

Interacting with representatives of foreign businesses to establish a joint high-tech production, ISTU continues Russian-Korean joint project to organize the production of planar heating elements and devices. In 2012, the first production-run came into the market in Mongolia. In particular, the heating elements are used to heat the yurt as one of the ways to solve the air pollution problem in Ulaanbaatar.

In 2012 ISTU and Hongkong University of Science and Technology (HKUST) jointly won a grant for project on the production of new high-speed ferroelectric liquid crystal displays based on nanoscale photo-oriented technology.

It should be noted that ISTU academic mobility to HKUST is supported by RUSAL’s Scholarship program. In 2012 4 ISTU PhD students won grants for research internships in Hongkong.

During 2012 the University hosted a number of traditional international events such as International Baikal University of Urban Planning, 13th session on “Ecology of suburban settlement and Irkutsk city”; 7th summer school “Go East” supported by DAAD for students majoring in mechanical engineering of German Universities; 6th summer school and 3rd winter school “Exploring Siberia”. DAAD gave financial support to winter schools “Exploring Siberia” in 2013 and 2014 as most popular among German students.

In June, 2012 the University hosted Russian-German conference “Improvement of education in the field of urban and transport planning” under the financial support of DAAD.

In 2012 ISTU got the following financial resources from the international activity (Pic. 5):
- educational activity – 63,86 mln. rubles (including 27,64 mln. rubles of non-budget funds),
- grants of foreign foundations – 14,8 mln. rubles,
- services for foreign citizens (testing of Russian as a foreign language, expertise of foreign educational documents etc) – 0,655 mln. rubles.

TOTAL: 79,33 mln. rubles

Picture 5 – Financial resources from the international activity