



Kazan Federal University's global cooperation

2015

The strategic objective of internalization of Kazan Federal University is to achieve the high international level in all spheres of KFU's activity as the key factor to enter the world Top-100 universities.

1. Kazan Federal University in rankings

The KFU's place in the international rankings of universities is an important indicator for the development of internalization and the enhancement of the University's competitiveness in the global academic market.

- According to the results in the period 2015-2016 KFU takes the following positions in QS World University Rankings:
 - QS World University Rankings (general) – 551-600
 - QS BRICS – 72
 - QS Emerging Europe and Central Asia (EECA) – 52
- For the first time in 2015 KFU entered the Times Higher Education World University Rankings:
 - THE World University Ranking – 301-350
 - THE BRICS&Emerging Economies Ranking – 31
- KFU's position in Webometrics Ranking of World Universities – 1478
- Rating of CIS Universities – 18.



2. Cooperation development

The development of **strategic partnership and networking** with world leading universities, academic centers and organizations is one of the most essential objectives of KFU's activity. At the moment KFU is cooperating with 210 partner universities, academic centers and companies from 53 countries all over the world. Agreements with 59 organizations among them were signed in 2015.



26 partner universities are ranked within TOP-300 in the Times Higher Education and QS World University Rankings: the University of Cambridge (Great Britain), the Catholic University of Louvain (Belgium), Ludwig Maximilians University of Munich (Germany), Aarhus University (Denmark), the University of Helsinki (Finland), Indiana University (USA), Bologna University (Italy), University of Tübingen (Germany) and others.

Dynamics of KFU's cooperation with foreign organizations

	2011	2012	2013	2014	2015
Number of partnerships (overall)	80	105	133	187	210
concluded during the report period	19	25	28	54	59
Partners among TOP 300 QS and THE University Ranking	12	14	15	20	26

In 2015 there were signed 15 agreements with research and education centers of the Middle East countries and countries of Southeast Asia (China, Japan, Iran, India, and Egypt). There were also signed 31 agreements with universities and research centers in the USA and Western Europe (Italy, Finland, Great Britain, Germany, Poland) for research collaboration, development of joint academic programs and realization of academic mobility.

As before, a significant part of international agreements allows for a wide range of directions: academic exchange programs, internships, joint research, conferences, seminars, summer schools, etc.

KFU takes active measures to develop partnerships with **large international companies** within the University's priority areas for development. Thus, in 2015, there were signed collaboration agreements with global leaders in Information Technologies, Medicine and Catalysis – IBM, Intel, Pfizer (USA), and Haldor Topsoe A/S (Denmark). The main forms of interaction are development and realization of joint academic programs, joint research, organization of practical placement for students, establishment of research and education centers and laboratories in KFU, making business, etc.

In 2015 Kazan Federal University became a member of the following **International Academic Associations**:

- The Association of Language Testers in Europe (ALTE);
- European Law Faculties Association (ELFA);
- BRICS Universities League;
- The Association of Higher Educational Institutions of the Russian Federation and the Republic of Azerbaijan;
- BRICS Network University.



Furthermore, KFU is an active participant in 9 international organizations, including:

- The Eurasian Universities Association (EURAS);
- Eastern European University Association (EEUA);
- Informatics Europe;
- AMBA – member since 2014;
- Central and East European Management Development Association (CEEMAN) - since 2014;
- IREG Observatory on Academic Ranking and Excellence – since 2014.

In 2015 there were signed collaboration agreements between the Global Universities Association of the Russian Federation (KFU has a membership in this association) and three foreign universities Associations:

- The Conference of Italian University Rectors (CRUI);
- Brazilian Association for International Education (FAUBAI);
- Korean Association of Foreign Students Administration (KAFSA).

Currently the activity timetable is being worked out. The organization of cooperation with foreign Associations means active involvement of all interested universities-participants of the Project 5-100.

Furthermore, about 80 employees are the members of more than 50 international organizations, academic associations and unions such as: International Atomic Energy Agency (IAEA), United Nations Educational, Scientific and Cultural Organization (UNESCO), International Union for Conservation of Nature and Natural Resources (IUCN), International Informatization Academy, European Coordinating Committee for Artificial Intelligence (ECCAI) and others.

3. International students' recruitment

In 2015-2016 the amount of international students studying in all kind of KFU educational programs reached 3187 people, including 2437 on major programs (bachelor programs – 1715, master programs – 299, specialist diploma programs – 322, doctoral programs – 101), that is 43% more than last year. Distribution of international students by type of payment: state-funded education – 1120 people, contractual education – 2067 people.

Dynamics of international students number (all programs and type of payment)

2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
886	1010	1423	2106	3187

During the report period there were undertaken outreach activities with **recruiting agencies** and examination of the international educational market. In 2015 there were signed **10** new collaboration agreements with recruiting companies. Overall KFU has **40** agreements with recruiting companies and individual recruiters. According to the results of this collaboration there were attracted **more than 300** international students.

In 2015 KFU participated in **13** International Educational Exhibitions, where there was presented the information about the university's educational and research opportunities for international entrants. Also KFU participated in conducting entrance tests on the Rossotrudnichestvo platform abroad for potential students from the CIS countries who wanted to study in Russian universities. According to the results of the entrance tests there were selected 86 people for state-funded education and 687 people for contractual (payment-based) education in KFU.

The implementation of **the grant program for international students** is an effective mechanism for attracting international students in KFU. In 2015 within the announced *Grants contest for master and doctoral studies in KFU priority areas* **32** people were taken for graduate study and **16** people for doctoral study.

Overall, according to the results of the recruitment work in 2015-2016 academic year there were enrolled **1034** international freshman students in Kazan Federal University.



In 2015 the development and implementation of **joint academic programs and double degree programs** together with the leading foreign universities and scientific organizations continued. The work was being done by KFU interdisciplinary teams who implement successful research projects in promising scientific fields with support of the Department of Education and the International Office. During the report period **10 double degree** programs (leading to diploma of KFU and foreign university) were realized in KFU in the following areas:

1. Physics of Complex System. Master program with ISMANS, France.
2. Chemoinformatics and Molecular Modeling. Master program with Strasbourg University, Institute of Chemistry, France (the only training program for chemoinformatics in Europe).
3. Transition Management. Master program with Justus Liebig University Giessen, Germany.
4. French language in professional communication. Bachelor program with New Sorbonna University Paris III, France.
5. Production Management. Master program with Lappeennanta University of Technology, Finland.
6. Stratigraphy. Master program with Freiberg University of Mining and Technology, Germany.
7. Open Informatics. Master program with Czech Technical University in Prague, Czech Republic.
8. Russian-German studies. Bachelor program with the University of Regensburg, Germany.
9. Advanced Materials. Joint doctoral program with RIKEN Institute, Japan.
10. Advanced Materials. Joint doctoral program with University of Parma, Italy.

Overall in 2015/2016 academic year in KFU within the framework of these joint educational programs there were taught **92** students, including **15** international. During the report period **15** Russian and international alumni obtained diplomas of KFU and the partner universities.

During the report period **8** programs of higher education of KFU got the international accreditation:

- MBA-general (Association of MBA's, United Kingdom);
- Master of Business Administration for Extractive Industries (MBA EI, Association of MBA's, United Kingdom);

- Condensed Matter Physics (Central Evaluation and Accreditation Agency Hannover, ZEVA);
- Physics of Magnetic Phenomena (Central Evaluation and Accreditation Agency Hannover, ZEVA);
- Neuroinformatics and Molecular Modeling (Central Evaluation and Accreditation Agency Hannover, ZEVA);
- Neurobiology (Central Evaluation and Accreditation Agency Hannover, ZEVA);
- Transition Management (Foundation for International Business Administration Accreditation, FIBAA);
- Regional Economy and Territorial Management (Foundation for International Business Administration Accreditation, FIBAA).



4. International experts involvement

Increasing the share of international experts among KFU academic staff, working in the university long-term (under employment contract) is considered one of the main indicators of successful internationalization of educational and research activity. Leading international scholars and experts come to Kazan University for delivering lectures, developing joint educational programs and curricular, conducting research, supervising student academic projects, participating in scientific events.

In 2015, **153** international experts from **51** countries were invited for participation in educational and scientific activity at KFU, 66 of whom (43%) came from the Western European and US universities. The greatest number of international experts came from Kazakhstan (16), Uzbekistan (13), Germany (12), Ukraine (9), Japan (8), USA (6) and Italy (6) etc.

The number of KFU international staff under employment contract

	2012	2013	2014	2015
Countries	7	16	37	51
Persons	12	28	121	153

5. International scientific activity



In 2015 KFU staff were involved in the implementation of **58 large-scale international projects** in cooperation with foreign partners. Almost half of them (**28**) got financing and started in 2015. The European Commission, the German Academic Exchange Service (DAAD), the German Research Foundation (DFG), UNESCO, US National Science Foundation, Russian Science Foundation, Russian Foundation for Basic Research (RFBR), Samsung, BP and foreign partner universities acted as grantmakers for those projects.

Dynamics of international projects implementation

	2011	2012	2013	2014	2015
Number of projects	26	35	45	47	58

At the premises of KFU units there are functioning **53** joint international research and academic laboratories and international cooperation centers. **10** of them were established in cooperation with international partners in 2015, including:

- Social and Urban Development Computing Laboratory at the Higher Institute of Information Technology and Information Systems (Head of Laboratory: professor Salvatore Distefano (Polytechnic University of Milan, Italy));

- The Volga International Centre for European Studies VOICES+ at the Faculty of Law (Erasmus+ grant, Jean Monnet Activities);
- Research and Educational Centre for Human Rights, International Law and Problems of Integration at the Faculty of Law (EU grant for cooperation project with Catholic University of Leuven, Belgium, the University of Potsdam, Germany, Paris West University, France, L.N.Gumilyov Eurasian National University, Kazakhstan, Baku State University, Azerbaijan);
- Automated production tech center Technomatics-KFU at the KFU Naberezhnye Chelny Institute (in cooperation with KUKA Robotics company, Germany, one of the leading manufacturers of robotic systems);
- Academic Centre of Haier company (major Chinese consumer electronics producer) at the Engineering Centre in KFU Naberezhnye Chelny Institute;
- Centre of Indian Studies at the Institute of International Relations, History and Oriental Studies (together with the Embassy of India);
- Cochrane Russia Coordination Centre (Russian branch of Nordic Cochrane Centre) at the Institute of Fundamental Medicine and Biology;
- Centre of Translational Medicine KFU-RASA at the Institute of Fundamental Medicine and Biology (in cooperation with Fox Chase Cancer Center, US, and University of Genova, Italy);
- Russian language and culture center in the Czech Republic in cooperation with Masaryk University, Czech Republic;
- Dielectric Spectroscopy Laboratory at the Institute of Physics (in cooperation with Hebrew University of Jerusalem, Israel).



The participation of KFU staff and students in **international scientific events** is one of the key factors in the promotion of R&D activities by Kazan scientists, and thus improvement of KFU reputation in the global academic community. In 2015 KFU staff members participated in more than **100** international symposiums, conferences, and seminars with plenary and poster presentations. The geography of these events includes both neighboring (Kazakhstan, Georgia, Estonia) and far-abroad countries (Germany, Austria, the United Kingdom, China, Japan, Belgium, the USA, Turkey, France, Czech Republic, Italy, Spain, etc.).

Simultaneously, **112** international scientific events were held at KFU. To mention the most remarkable with high international participation:

- International conference "Observation and Understanding of the Moon, Moons & Planets» «Space Kazan IAPS-2015", 01-07.06.2015, Institute of Physics (300 participants total, 40 international);
- II Kazan Summer School in Chemoinformatics, 06-09.07.2015 (100/30);
- XVIII International Congress on Carboniferous and Permian, 11-15.08.2015 (401/62);
- II European Congress on catalysis, 30.08 – 04.09.2015 (837/296);
- International Scientific and Practical Conference "Economics of Eurasian Countries", 10-11.09.2015 (150/135).



6. Academic mobility

The development of academic mobility is considered the key factor of international cooperation in KFU. Totally, **633** students have participated in **student exchange programs** during 2015: **436** - ingoing mobility from partner universities and **197** - outgoing mobility of

KFU students. The most intensive student exchange was carried out with the universities of Germany, China, South Korea, Spain and Kazakhstan.



In 2015 KFU staff members travelled abroad for **636** times for internships, collaborative research, participation in scientific events, etc. The most popular directions were the following: Germany (106 people), Turkey (53 people), France (40 people), the USA (37 people).

Most of the academic visits abroad were organized to the following organizations: the University of Giessen (Germany) - 25 visits, Tubitak National Observatory (Turkey) - 14 visits, RIKEN (Japan) - 10 visits, Lappeenranta University of Technology (Finland) - 8 visits.

Academic mobility according to aims of visit

Aim of visit	Staff	Students
Internships, research	228	58
Lectureship	10	-
Study	-	122
Events	325	17
Other	73	-
Total	636	197

7. Official visits

In 2015 more than **100** international delegations visited KFU for the purpose of making negotiations with the leadership of the university.



Among them were the following:

- government delegations of China, Kazakhstan, Turkey, Cuba, Turkmenistan, Iran, Kyrgyzstan, Indonesia, and others with participation of R.D. Khajimba, President of Republic of Abkhazia; Cemil Çiçek, President of the Grand National Assembly of Turkey; K.K. Massimov, Prime Minister of the Republic of Kazakhstan and some others;
- the representatives of diplomatic corps of foreign countries - Mohamed El-Badri Abdelsattar, Ambassador Extraordinary and Plenipotentiary of the Republic of Egypt to the Russian Federation; Ronald J.P.M. van Dartel, Ambassador Extraordinary and Plenipotentiary of the Kingdom of the Netherlands to the Russian Federation; Mamad Dam, Ambassador Extraordinary and Plenipotentiary of the Republic of Senegal to the Russian Federation; János Balla, Ambassador Extraordinary and Plenipotentiary of Hungary to the Russian Federation, and some others;
- delegations of universities of The Czech Republic, Indonesia, Japan, Egypt, Kazakhstan, China, Germany, Iran and other countries (negotiations on cooperation development, signing of partnership agreements);
- representatives of international companies and educational institutions: Haldor Topsoe, BP, DAAD, Fullbright, IRCICA etc.
- members of the KFU International Academic Council (meeting on November 20, 2015);
- Lyubov Glebova, the chief of Rossotrudnichestvo.

These negotiations help to create a foundation for expansion of KFU international cooperation in different spheres.

Also there were undertaken **7 KFU delegation visits abroad** headed by Rector I.R.Gafurov:

1. **Japan** (14.02.2015 – 18.02.2015) - participation in symposium "The role of universities in the period of globalization: searching for new solutions"; meeting with the leadership of Tsukuba University and RIKEN; signing the partnership agreement with Tsukuba University.
2. **The Islamic Republic of Iran**, Tehran, Tabriz (08.03.2015 - 03.10.2015) - a visit within the framework of official delegation of the Republic of Tatarstan headed by R.N.Minnihanov, the President of the Republic of Tatarstan; meeting with Suren Sattari, IRI Vice-president for research and innovations; visiting "Pardis" Technology Park, Shahid Beheshti University, "Tabriz Petroleum" Refinery, ceramic tiles plant " Tabriz Tile", tractor plant "Tabriz Mohsen"; KFU presentation at the Tatarstan-Iranian forum; meeting with the rector of Tabriz University; signing the Memorandum of Understanding with Tabriz University.
3. **Kazakhstan**, Almaty (29.07.2015 – 02.08.2015) - participating in Closing Ceremony of the XVII International Olympiad in Informatics (the next Olympiad will be held at KFU in 2016); visiting Al-Farabi Kazakh National University, Almaty Management University; meeting with Plenipotentiary of the Republic of Tatarstan in Kazakhstan.
4. **The United Kingdom**, Glasgow (14.09.2015 – 18.09.2015) – participating in the international exhibition of the European Association for International Education (EAIE); visiting Heriot-Watt University; meeting with European partners.
5. **Japan**, Tokyo, Kyoto (02.10.2015 – 08.10.2015) - a visit within the framework of official delegation of the Republic of Tatarstan headed by R.N.Minnihanov, the President of the Republic of Tatarstan; participating in the forum "Science and Technologies in the Society"; visiting Kyoto Research Park, advanced companies of Japan, Juntendo University (opening up Simulation Center); visiting RIKEN Institute; signing trilateral cooperation agreement KFU - Juntendo - RIKEN.
6. **Egypt**, Cairo (23.10.2015 – 27.10.2015) - visiting Egypt National Research Center (NRC) for the purpose of cooperation strategy development within the framework of the signed Memorandum of Understanding; studying the NRC infrastructure; meeting with the executive staff of Damanhour University. Composition of a delegation: I.R.Gafurov, Rector; L.N.Latypov, Vice-Rector for International Relations; A.P.Kiyasov, Director of

the Institute of Fundamental Medicine and Biology; S.I.Nikitin , Director of the Institute of Physics; and others.

7. **Finland**, Helsinki (15.11.2015 – 16.11.2015) - a visit within the framework of official delegation of the Republic of Tatarstan headed by R.N.Minnihanov, the President of the Republic of Tatarstan; meeting with the executive staff of Aalto University; participating in Finland-Tatarstan Business Forum; visiting the Finnish Science Centre Heureka, innovative startup companies; meeting with the local Tatar community.

