

# FY2017 Inter-University Exchange Project Kanazawa University

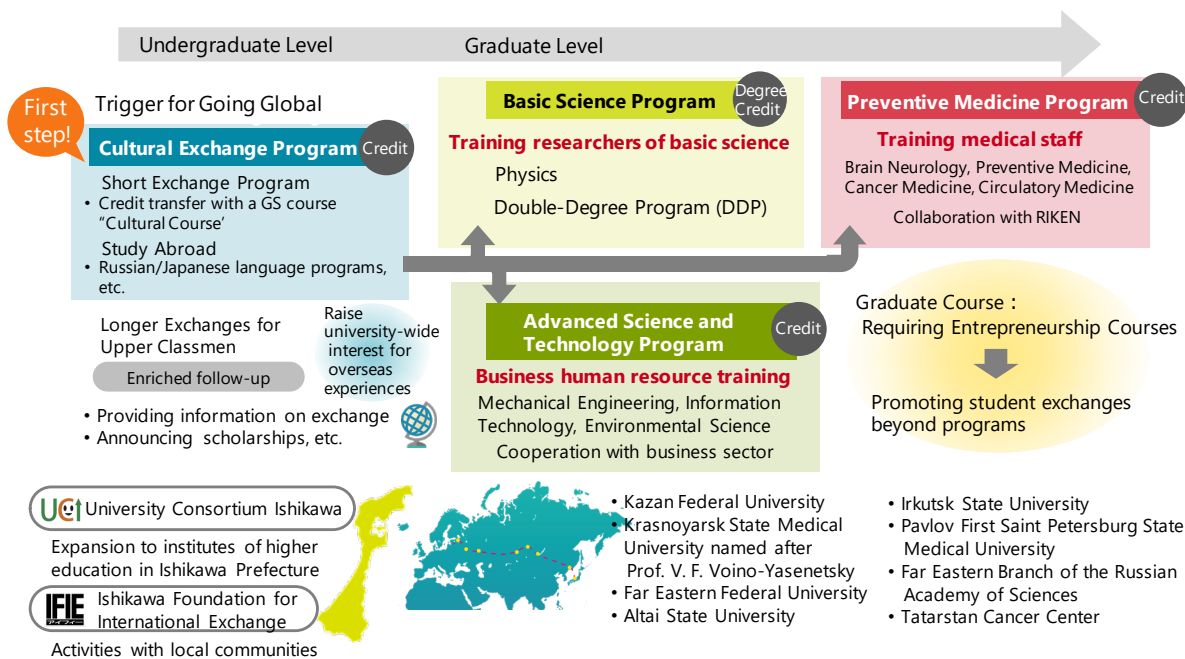
Support for the Formation of Collaborative Programs with Russian and Indian Universities

【Name of the Project】(Adopted year: FY2017 (Type A))

Training Program for Russia-Japan Innovative Leaders of Tomorrow

## 【Summary of the Project】

The project will expand the researcher exchange between Kanazawa University and Russia to students, not only to nurture students who match the ideals of our university but also to train the future leaders of Russia-Japan relationship. To this end, we will build up and undertake structured, multi-layered, high-quality and substantial exchange programs with eight partner institutions in Russia to enlarge the basic scope of student exchange, as well as promote the development of future regional collaboration in academia, culture and economy. Through this project, we aim to realize the 'Russian Silk Road of Knowledge for the 21st Century' that bridges the East and the West.



## 【Summary of Exchange Programs】

- ① Cultural Exchange Program (hands-on exchanges • credit earning) : Offers opportunities to study the unique natural environments of both Russia and Japan and the time-proven culture and arts to raise interests for longer study-abroad experiences to Russia and Japan. The program is for undergraduate students, and it includes overseas study abroad language programs.
- ② Basic Science Program (degree • credit earning) : Conducts double degree programs and credit transfer programs on Master's level to further accelerate student exchanges in the field of low temperature physics .
- ③ Advanced Science and Technology Program (business personnel training • credit earning) : In three fields of practical science, mechanical engineering, information technology and environmental science, this program offers internship experiences in light of future regional business partnerships for Master's students.
- ④ Preventive Medicine Program (research exchange • credit earning) : Doctoral level exchange programs in the fields of preventive medicine, cancer medicine, and cardiovascular medicine in addition to neuroscience are proposed. Establishment of Russia-Japan Medical Research Education center in partnership with RIKEN and Kazan Federal University is envisioned.

## 【Global Human Resource on the Project】

This project will nurture leaders who can transform 'particularities' and 'universalities' of Russia and Japan to create values for the new era while they maximize their expertise and skill and ultimately create the common future for both nations. These future leaders withhold 'cultural tolerance,' 'recognition skill,' 'wide perspective,' 'creativity,' and 'taking action' in addition to their expert knowledge.

## 【Features of the Project】

'CoLAB (Collaboration LABORatory),' 'entrepreneur education,' 'close partnership with companies,' 'public seminars hosted by exchange students,' and 'collaborations with local communities' characterize the project. This robust, systematic and multi-layered exchange programs with assured quality will significantly expand student exchanges. It should also be noted that collaborations with local communities and companies incorporated in the programs enable development of human resources that Kanazawa University pursues and contribute to training future leaders of Russia-Japan relationships.

## 【Exchange Numbers】

	2017	2018	2019	2020	2021
Outbound	20	35	51	62	100
Inbound	5	17	40	50	70

# 1. FY2017 Progress

【Training Program for Russia-Japan Innovative Leaders of Tomorrow】(Adopted year: FY2017, (Type A, Russia))

## ■ Exchange Programs



〈Student exchange with KFU〉

In order to implement the student exchange programs, we have set up the Program Management Committee, Basic and Advanced Science and Technology Program Committee, Preventive Medicine Program Committee, Cultural Exchange Program Committee, and Quality Assurance Committee. We have sent out students in Cultural Exchange Program and Advanced Science and Technology Program (Environmental Science), and received students in Cultural Exchange Program. In terms of Basic Science Program, Advanced Science and Technology Program (Mechanical Engineering, Information Technology) and Preventive Medicine Program, we are preparing for the implementation in FY2018.

## Student-Mobility

### ○ Outbound

We sent 3 Japanese students to KFU as 1-year exchange students and 35 students in the short-term cultural exchange program etc.

### ○ Inbound

We received 6 students in the cultural exchange program (2 from KFU, 2 from Irkutsk State University, 2 from Krasnoyarsk State Medical University)

	2017	
	Plan	Results
Outbound	20	38
Inbound	5	6

## ■ Forming the University Network with Quality Assurance

### •Holding a Kick-Off Symposium and External Evaluation Committee Meeting

Delegates (faculty, staff and students) from 8 overseas partner universities visited us. Over 120 persons participated from Japan and Russia, and we received input from various sectors.

### •Making Adjustments to Implement a Double-Degree Program (Master's Level)

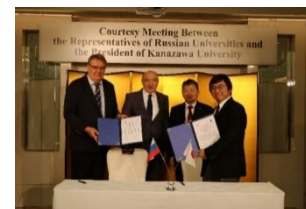
We had discussions with KFU about the curriculum, degree requirements, period of exchange and giving credits for the program starting in October 2018.

### •Making a Rubric

We made the rubric about the five qualities of an individual nurtured by this program (expertise, problem-exploring skills, an international outlook, and a strong sense of morality). This rubric is shared with the Russian side, and we will establish a grading and evaluation method for each program.



〈Kick-Off Symposium〉



〈Concluding a MoA on DDP with KFU〉

## ■ Promotion of Student-Mobility Environment

### •Efforts for Establishing a Kanazawa University Office in Kazan Federal University Campus

We made progress in preparing the establishment of Kanazawa University-KFU Office. Also, for the purpose of smooth implementation of student exchanges, we arranged for the graduates of our short-term exchange program who work at KFU to become the stationed staff of our university at KFU.

## ■ Internationalization of the university, Information disclosure and Publication of outcome

### •PR on Official Homepage

We launched a website just for this program, and posted the program outline and information about our partners and exchange programs. Also, we set up the Activity Report page where the students who participated in the program can upload photographs and reports freely. There are several dozens of posts already, and we anticipate that the website will gather many voices of Russian and Japanese students.

### •Holding a Study Abroad Report Session

We held a study abroad report session for the FY2017 student exchange program. It was an opportunity for the participants to look back on their experiences, and there were many questions about Russia from those who heard the reports. It was an excellent event to increase the interest in Russia.

## ■ Good Practices

### •Japanese Language Student Exchange Program will Take Place

A “Japanese Language Student Exchange Program” (jointly hosted by Japan-Russia Youth Exchange Center and KU) will take place at KU in November 2018.



〈Completion of Cultural Exchange Program〉

# 2. FY2018 Progress

【Kanazawa University】

【Training Program for Russia-Japan Innovative Leaders of Tomorrow】(Adopted year: FY2017, Type A, Russia )

## ■ Exchange Programs



〈Inbound students carrying a portable shrine〉

In FY2018, as a result of the intensive exchange program, we made better achievements with increased number of exchange students in both outbound and inbound programs than initially planned, and conducted joint symposiums and specially organized lectures.

Moreover, in order to contribute the further enhancement of this project, we newly added Saint Petersburg State University and Lomonosov Moscow State University to our overseas partner institutions.

## Student-Mobility

### ○ Outbound

In the cultural exchange program, we sent a total of 51 students through two courses (Eastern and Western Russia). In the basic science program and the advanced science and technology program, we sent 10 Master's students. In the preventive medicine program, we sent 4 PhD students to present their research in the joint symposium with Krasnoyarsk State Medical University.

### ○ Inbound

In the cultural exchange program, we received 14 students. In the basic science program and the advanced science and technology program, we received 12 students. In the preventive medicine program, we received 10 students. Moreover, we gave start to the Double-Degree Program between KU and Kazan Federal University by accepting one Russian student. (This program started at KU in 2019 April.)

	2018	
	Plan	Results
Outbound	35	65
Inbound	17	37

## ■ Forming the University Network with Quality Assurance

### ○ Holding annual external evaluation committee meeting

The Annual External Evaluation Committee Meeting was held in March. The progress of the project and the implementation status of each program were reported, and interviews were carried out for 4 exchange students who participated in each program.

### ○ Starting up the Double-Degree Program (Master`s Level)

In October, the agreement on the Double-Degree Program between Kanazawa University and Kazan Federal University was concluded, and the base was set to start long-term outbound and inbound exchange programs.

## ■ Promotion of Student-Mobility Environment

### ○ Strengthened collaboration with KFU

In order to strengthen the cooperation with Kazan Federal University, "Kanazawa University Kazan Office" was established at Kazan Federal University in September 2018, as a partner for overseas cooperation. The memorandum for promoting student exchange was signed in October, and in February 2019, "Kazan Federal University Kanazawa Office" was established at KU to developed mutual cooperation.

### ○ Establishment of "KU Organization for Global Affairs Sustainable Development Goals (SDGs) Biosphere Reserves, Geoparks Research Center" and "KU Hakusan Shiramine Seminar House"

In February 2019, in order to promote educational research activities on SDGs, UNESCO Geoparks, and Biosphere Reserves, "Kanazawa University Organization for Global Affairs SDGs Biosphere Reserves, Geoparks Educational Research Center" and "Kanazawa University Hakusan Shiramine Seminar House" were established with the support of Hakusan City and NPO Hakusan Shiramine Nature School. These facilities will be used as bases for accepting Russian students in future cultural exchange programs.

## ■ Internationalization of the university, Information disclosure and Publication of outcome

### ○ President of the Republic of Tatarstan visits KU

President Minnikhanov of the Republic of Tatarstan and 34 delegates including the President of Kazan Federal University visited KU. After the selection of this project and more than 25 years of partnership with KFU, the interest in Ishikawa Prefecture has increased and the visit by the President came true after one year's arrangement.

After his visit, measures were taken to support student exchange with Ishikawa Prefecture at Kazan Federal University, and there is anticipation for developing ~~into~~ future exchanges between the two regions.



〈President of the Republic of Tatarstan visit KU〉

## ■ Good Practices

### ○ Evaluation based on the rubric (specially developed evaluation method)

In order to clearly evaluate the learning achievements, we evaluated all participants of exchange programs by the rubric specially created by KU. As a result of evaluations, it became clear that both Japanese and Russian students improved the five skills expected in the program's trainees, and significant achievements were confirmed in terms of student education.



# 3. FY2019 Progress

## 【Training Program for Russia-Japan Innovative Leaders of Tomorrow】 (Adopted year: FY2017, (Type A, Country Russia))

### ■ Exchange Programs



The Idea-thon Camp on SDGs Regional Revitalization

In FY2019, we accelerated our exchange program in full-scale and the number of the student who participated either outbound or inbound program significantly exceeded the original plan. In particular, we reached to the target one year ahead in outbound program. It makes us possible to focus on the details of individual programs. For example; we organized several joint symposium in each collaborating field and offered company internships. We also had a training camp entitled "The Idea-thon Camp on SDGs Regional Revitalization in Suzu", and carried out community volunteer activities in the Shiramine area and the Gokayama area. The newly established "Ishikawa – Russia University Exchange Consortium" is another topic of this year. In its commemorative symposium, a MoU of "Cooperation between Japanese and Russian Universities toward Achieving the SDGs" had signed and agreed continuous academic exchange between universities in both country even after completion of this start-up period.

### Student-Mobility

#### ○ Outbound

**Cultural exchange program:** Total 50 student had attended in "Three Cities Course" and "Moscow Course".

**Basic Science Program and the Advanced Science and Technology Program:** 26 students were dispatched and they shared their study result in follow-up session.

**Preventive medical program:** 4 graduate students had dispatched to a symposium at the St. Petersburg Medical College.

#### ○ Inbound

**Cultural exchange program:** 30 students attended to the program from Russia.

**Basic science program and the Advanced science and technology program:** As a result of expanding partner universities, 21 students had been sent from 7 universities from Russia.

**Preventive medicine program:** 6 Russian students participated in weekly lab rotation.

In addition to the intensive short-term exchange above, we saw some graduates came back to Japan after the short-term programs in the past. They applied to special program of Japanese government (MEXT) scholarship, and have studied in Kanazawa since October 2019.

	2019	
	Plan	Results
Outbound	62	80
Inbound	44	59

### ■ Forming the University Network with Quality Assurance

#### ○ Evaluation by external evaluation committees

Following last year, we got review for our program to be evaluated by external evaluation committee on 3 perspectives; "Progress of the project" "Achievement status of targets" and "Improvement and enhancement of efforts".

#### ○ ODDP for master's degree students

The double degree program (DDP) between the Institute of Physics, Kazan Federal University(KFU) was started. Following the 1<sup>st</sup> student who entered this program in April 2019, 2 more KFU students have passed the examination held in August 2019.

### ■ Promotion of Student-Mobility Environment

#### ○ Establishment of alumni association

With the aim of maintaining and utilizing the human network from this project, Kanazawa University Russian Alumni Association was established in March 2019.

### ■ Internationalization of the university, Information disclosure and Publication of outcome

#### ○ Ishikawa-Russia University Exchange Consortium agreed

Kanazawa University and Kazan Federal University agreed to conclude a memorandum of understanding as the secretariats of the 13 universities of the "University Consortium Ishikawa" and the 8 Russian universities, respectively. In July 2019, its memorandum ceremony was held and the agreement was signed by both presidents. Approximately 100 participants from Japan and overseas attended this event.



MoU signed between Japanese and Russian University Consortium

### ■ Good Practices

#### ○ Internships to the companies in pairs

Until the last year, we had assigned one Russian student to one Japanese company during the company internship program. However, from this year, we tried to make a pair of a Japanese student and a Russian student and send them to the company. As a result, it became much easier to gain the understanding of local companies in accepting foreign students, and the number of collaborating company was significantly increased. It made further effective results on education such as;

1. Company internship is a great opportunity not only for Russian students but for Japanese students to experience international communication in a business place.
2. In case of emergency, this kind of local student partner system may be very helpful to secure the safety of guest students.
3. Same effects can be expected during outbound program in Russia.

# 4. FY2020 Progress

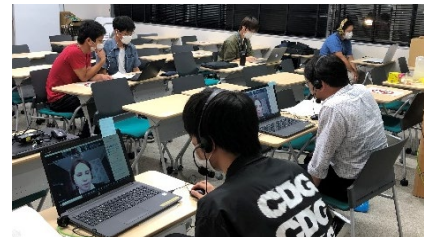
【Kanazawa University】

## 【 Training Program for Russia-Japan Innovative Leaders of Tomorrow 】

(Adopted year: FY2017, (Type A, Country Russia)

### ■ Exchange Programs

Despite the restrictions of on-site program due to the pandemic, we were able to implement 4 programs by online, and the out-bound programs successfully reached its target while in-bound programs mostly achieved its goal as well. In particular, at the joint symposium in September, following the kick-off symposium of Kanazawa University Russian Alumni Association established in March 2020, the programs in Cultural Exchange, Basic Science & Advanced Science and Technology, and Preventive Medicine held sessions on their own study fields. In addition, in the field of chemistry, the team held online joint symposiums independently with Kazan Federal University, St. Petersburg State University and Irkutsk State University.



〈Advanced Science and Technology Program〉

### ■ Student-Mobility

#### ○ Outbound

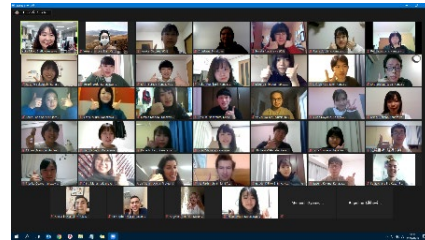
In the Cultural Exchange Program for Japanese students were held four times in July, August, November and January, with 50 participants in total. In the Basic Science & Advanced Science and Technology Programs, 32 students participated in online seminars and entrepreneurship lectures. In the Preventive Medicine Program, 4 graduate students prepared presentation in the online joint symposium and accredited.

	2020	
	Plan	Results
Outbound	76	86
Inbound	57	54

In addition to above results, 72 students from Japan and Russia opportunities of online exchange

#### ○ Inbound

The Cultural Exchange Program accepted 42 students, and the Basic Science & Advanced Science and Technology Program accepted 12 students from partner universities in Russia. In the Preventive Medicine program, we were unable to provide real-time exchanges due to the feature of field of clinical studies and time difference but we conducted alternative program by using on-demand educational materials and reports.



〈Cultural Exchange Program〉

### ■ Forming the University Network with Quality Assurance

#### ○ Evaluation by external evaluation committees

We got annual review for our program by external evaluation committee on 3 perspectives; "Progress of the project" "Achievement status of targets" and "Improvement and enhancement of efforts".

#### ○ Double Degrees Program (DDP)

In FY2020, 3 students entered to the DDP with the Institute of Physics of Kazan Federal University, which was launched in October 2018. This DDP framework was decided to extend to the field of mathematics.



〈Presentation by Russian student studying at Kanazawa〉

### ■ Promotion of Student-Mobility Environment

#### ○ Online Language Classes

Online language classes were provided for both Japanese and Russian candidate students within the framework of the Cultural Exchange Program.

#### ○ Opening of KU Russian Alumni Association Office

In conjunction with the establishment of the KU Russian Alumni Association, the Alumni Association office was opened in August.

### ■ Internationalization of the university, Information disclosure and Publication of outcome

#### ○ Russia-Japan Medical Research Education Center

The Russia-Japan Medical Research Education Center has been established as a fruit of past collaborations between 2 countries. We are also aiming to expand this platform to Kazan, St. Petersburg and Moscow.

#### ○ Expanding exchanges to CIS countries, Mongolia, Eastern Europe, and the Baltic States

Exchanges has being expanded to Russian neighboring countries as the results of this project; Preventive Medicine Program to Mongolia and Poland, Advanced Science and Technology Program to Estonia, and the Cultural Exchange Program is going to install its online method to Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan, and Norway. International partnership agreements have also being concluded with several universities in those countries with the aim of on-site programs after the pandemic.

### ■ Good Practices

#### ○ Entrepreneurship lecture course led to an internship at start-up companies

In the entrepreneurship lecture course conducted by the Advanced Science and Technology Program, several start-up companies with close ties to Japan and Russia provided video lectures and online office hours. After this course, two of those companies proposed online internship and 3 Japanese students participated to it.

# 5. FY2021 Progress

【Kanazawa University】

## 【Training Program for Russia-Japan Innovative Leaders of Tomorrow】

(Adopted year: FY2017, (Type A, Country: Russia)

### Exchange Programs



〈Event poster〉

Four multi-tiered credit/degree exchange programs were implemented even the online programs incorporated exchanges with local residents and businesses to develop into future "academic, cultural, and economic" exchanges among the regions, with a view towards post COVID-19. The inbound programs exceeded their targets, and although the outbound programs did not reach their goals, the quality of the exchange content was sufficiently maintained.

Especially, a series of related events entitled "Russian Week" were intensively held in autumn 2021, which can be said to be the result of past exchanges. Of these, a wide range of local residents participated in the Cultural Exchange Program, which was open to the public on YouTube in real time as well as at satellite venues. Symposiums in the Basic & Advanced Science and Technology and the Preventive Medicine Programs were held exclusively for those involved and fulfilling research exchanges were achieved through sessions and abstracts in each field. On the same day, the first General Meeting of the Kanazawa University (KU) Russian Alumni Association and the opening ceremony of the KU Irkutsk Liaison Office were held to lead to further active exchange.

### Student-Mobility

#### Outbound

In the Cultural Exchange Program, 39 Japanese students participated in online training course to learn about "Natural and Cultural Diversity from the Russian Biosphere Reserves designated by the UNESCO", 26 in the Basic Science Program and the Advanced Science & Technology Program, and 6 in the Preventive Medicine Program, exceeding their goals.

#### Inbound

The Cultural Exchange Program accepted a total of 38 Russian students for two courses. In the Basic Science Program and the Advanced Science & Technology Program, a total of 73 students participated in online joint symposiums, student exchange, and entrepreneurship lectures. In the Preventive Medicine Program, 10 students participated, and it was also decided to accept 3 students who will enter the KU doctoral program in the next FY.

	2021	
	Plan	Results
Outbound	117	71
Inbound	79	124

### Forming the University Network with Quality Assurance

#### Double Degrees Program (DDP)

In June 2021, the DDP framework, which was agreed with the Institute of Physics in Kazan Federal University (KFU) in 2018, was extended to the field of mathematics (Institute of Mathematics and Mechanics Description).

In August 2021, 3 students from KFU took the KU DDP entrance examination and were enrolled in the Physics Course, School of Mathematics and Physics, College of Science and Engineering. In March 2022, 1 student completed the master course, Division of Mathematical and Physical Science, Graduate School of Natural Science and Technology.

#### Evaluation by external evaluation committee

As previous FYs, we got the annual review for our programs by the external evaluation committee on three perspectives; "Progress of the project", "Achievement status of targets", and "Improvement and enhancement of efforts".



〈Online Meetings of KU Russian Alumni Association〉

### Promotion of Student-Mobility Environment

#### KU Russian Alumni Association

Regarding the KU Russian Alumni Association established in FY2020, the first General Meeting and Subcommittee Meeting were held online in September and November 2021, respectively.

### Internationalization of the university, Information disclosure and Publication of outcome

#### KU Irkutsk Liaison Office

As the third overseas liaison office in Russia, KU Irkutsk Liaison Office was opened at Irkutsk State University in October 2021, following the Vladivostok Office and the Kazan Office, and the signing ceremony for the agreement was held online.

#### Russia-Japan Medical Research Education Center

The Russia-Japan Medical Research Education Center has been also improved in Russia as a platform for further student exchanges and joint research, following the one in Japan.



〈Signing ceremony〉

### Good Practices

#### Program expansion to local universities and Infrastructure formation for exchanges

We invited students from member universities of the University Consortium Ishikawa to participate in the Cultural Exchange Program, the Basic Science Program, and the Advanced Science & Technology Program on the basis of establishment of the "Consortium for Academic Exchange between Russia and Ishikawa" established in 2019, and 8 students from 3 universities newly participated in these programs.