Al-Farabi Kazakh National University (Almaty, Kazakhstan)

Tlekkabul Ramazanov
Vice-Rector for Science & Innovations

Islamabad, Pakistan, COMSATS, 17-18 May 2016
Present statistics of the Centre
Main Campus Area  75 hectare
Al-Farabi Kazakh National University

VISION: to enter the Top 200 leading research universities in the world
MISSION: Generating the human capacity - highly qualified specialists competitive in the international labor market

«To 2020 .... at least 2 higher educational institutions will be awarded in the ranking of the world's best universities»

From the Message of President of Kazakhstan N. Nazarbayev

**ABOUT THE UNIVERSITY:**
- Faculties: 15
- Chairs: 63
- Research institutes: 25
- Laboratories of the National Level: 2
- Science and Technology Park

**ACADEMIC PROFILE:**
- More than 20 000 students
- Bachelor specialities: 81
- Master specialities: 84
- PhD programs: 64
Al-Farabi Kazakh National University - the only university in the Republic of Kazakhstan, which has a unique scientific and innovative structure.

Research is carried out in accordance with the priorities of the Republic of Kazakhstan and world trends in science and technology.
<table>
<thead>
<tr>
<th>Faculties</th>
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</thead>
<tbody>
<tr>
<td>Faculty of Mechanics and Mathematics</td>
</tr>
<tr>
<td>Faculty of Physics and Technology</td>
</tr>
<tr>
<td>Faculty of Chemistry and Chemical Technology</td>
</tr>
<tr>
<td>Faculty of Biology and Biotechnology</td>
</tr>
<tr>
<td>Faculty of Geography and Nature Management</td>
</tr>
<tr>
<td>Faculty of History, Archeology and Ethnology</td>
</tr>
<tr>
<td>Faculty of Philology, Literary Studies and World Languages</td>
</tr>
<tr>
<td>Faculty of Journalism</td>
</tr>
<tr>
<td>Faculty of Philosophy and Political Science</td>
</tr>
<tr>
<td>High School of Economics and Business</td>
</tr>
<tr>
<td>Faculty of Law</td>
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<tr>
<td>Faculty of International Relations</td>
</tr>
<tr>
<td>Faculty of Oriental Studies</td>
</tr>
<tr>
<td>Faculty for Pre-College Education</td>
</tr>
<tr>
<td>High School of Public Health</td>
</tr>
</tbody>
</table>
Research Institutes and Centers

- Institute of Mathematics and Mechanics
- Institute of Experimental and Theoretical Physics
- Institute of New Chemical Technologies and Materials
- Center of Physico-Chemical Methods of Research and Analysis
- Institute of Biology and Biotechnology Problems
- Institute of Ecological Problems
- National Nanotechnology Open Laboratory
- Scientific and Technology Park
- Laboratory of Engineering Profile
<table>
<thead>
<tr>
<th>Abay Research Institute</th>
<th>Research Centre for Korean Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institute of State and Law</td>
<td>Center for Arabic Studies</td>
</tr>
<tr>
<td>Confucius Institute</td>
<td>Research Institute of Archaeology and Ethnology</td>
</tr>
<tr>
<td>Institute of Security and Cooperation Problems</td>
<td>Center for Psychological Technology and Innovation</td>
</tr>
<tr>
<td>International Institute of Kipchak Studies</td>
<td>Center for Economic Research</td>
</tr>
<tr>
<td>Orazbayev Center for Archaeology and Ethnology</td>
<td>Center for Legal support of innovation development of RK</td>
</tr>
<tr>
<td>NATO Information and Resource Centre</td>
<td>The European Information Centre</td>
</tr>
<tr>
<td>Center for Sociological Research and Social Engineering</td>
<td>Center of problems of fight against crime</td>
</tr>
<tr>
<td>Versatile scientific and innovative center of the educational services &quot;GLOSS&quot;</td>
<td>Resource Center for American and Democratic Studies</td>
</tr>
<tr>
<td>Research and Innovation Center for Educational Studies</td>
<td>Republican Center «Al-Farabi and spiritual culture »</td>
</tr>
<tr>
<td>Research and Educational Center for German Studies</td>
<td>Center for Religious Research and Expertise</td>
</tr>
<tr>
<td>Training and Research Center Ancient Turkic scripts</td>
<td>Center of Ethnopedagogics and Ethnic Psychology</td>
</tr>
<tr>
<td>Center for Environmental Safety and Natural Resources</td>
<td>Scientific and Research linguistic center named after Olzhas Suleimenov</td>
</tr>
<tr>
<td>Turan-Iran</td>
<td>Scientific-educational and cultural center of TURKSOY</td>
</tr>
</tbody>
</table>
Former research institutes of Academy of Sciences (Gylym Ordasy) are integrated with KazNU

- Institute of Mathematics and Mathematical Modeling
- Institute of Information and Computer Technologies
- Institute of Economics
- Institute of History and Ethnology named after C.Valikhanov
- Institute of Literature and Art named after M.Auezov
- Institute of Oriental Studies named after R.Suleimenov
- Institute of Linguistics named after A.Baitursynov
- Institute of Mechanics and Engineering named after Academician U.Dzholdasbekov
- Institute of Philosophy, Political Science and Religious Studies
- Institute of Archaeology named after A.Margulan
Scientific-Innovation “Corridor”

**Reseaches**
- State authorities of Kazakhstan, Development institutions, National and international funds
- Scientific institutes and centers
- Fundamental
- Applied

**Innovations**
- Business angels
- Venture capital
- Development institutions
- Enterprises
- Techno park, research teams Design Bureau, factories, SMEs
- Design, Patenting
- Engineering
- Technical designing

**Production**
- National companies, Business, Second level banks
- Enterprises production sphere, stock exchanges, SMEs

**Distribution**
- Production

**Idea**

- Publications with IF, h-index
- Protective documents
- Prototype

- production prototype
- Creation of start-up companies
- License agreements, technology transfer
- Production output
- Small scale, serial production
RESEARCH-EDUCATIONAL AND INNOVATION CLUSTER

Research-educational cluster

- Cluster of Life, Medicine, Biotechnology and Natural Sciences
- Cluster of Chemical Engineering Sciences
- Cluster of Physical Engineering Sciences, Nanotechnologies and Material Technologies
- Cluster of Mathematics and Computing Sciences, Information and Space Technologies
- Cluster of Social and Humanity Sciences and Technologies

Innovation cluster

- Business Incubation Center
  - Business incubator;
  - Consulting;
  - Technology Transfer and Licensing;
  - Commercialization Office.
- Scientific Technology Park
  - Center of High Technologies;
  - Experimental-Design Center.
- Industrial Center

- Start-ups
- Spin-offs
- Limited-edition Production
- High Technology Companies

- Office of venture capital
  - NATD;
  - Development Institutes;
  - Banks of the second level.

High School of Innovative Technologies and Industrial Engineering

Publications
- Patents
Contingent Staff Summary

EMPLOYEES

- Faculty: 50%
- Administrative staff: 29%
- Technicians: 15%
- Others: 6%

FACULTY

- PhD, doctor of sciences, candidate of sciences: 1534
- Postgraduates, graduates: 403

Total number 1,937
Financial and economic performance indicators

The proportion of university income for 2015

- Commercialization of R&D: 0.04%
- Sponsorship: 0.75%
- Research programs: 26.80%
- Educational services: 72.40%

Material and technical base

- Computer equipment: 0.55 mln USD
- Acquisition of fixed assets: 3.28 mln USD
- Educational and laboratory equipment for the program SPIID-2: 2.5 mln USD
- Library stock and electronic educational resources: 0.144 mln USD
- Other expenses: 0.09 mln USD
Capacity building activities

6,55 bn tenge/36.4 mln. $

0.30 bn tenge/1.65 mln $

- Abroad 72%
- In Kazakhstan 28%

Budget of research activity ■ Capacity building activities
Funding of building within the framework of state-private partnerships

Innovation Cluster – 10 bn tenge (56 mln USD).
Buildings of Research Institutes – 7 bn tenge (39 mln USD).
Medical and Biological Cluster – 500 mln USD
Dormitory for 1500 people – 27 mln USD.
Students Service Center "Keremet» «Al-Farabi university smart city» - a virtuous city for students, based on the teachings of the great philosopher Abu Nasr al-Farabi about the virtuous city. Located at 7500 m, the center offers to visitors the latest high-performance automated service system and provides students with all the socially significant services.
INDOOR SWIMMING POOL
(25 meters long)
Al-Farabi KazNU in TOP-300 (QS World University Rankings)
The 50 Most Technologically Advanced Universities

1 place – École Polytechnique Fédérale de Lausanne
10 place – Cambridge University
12 place – Oxford University
30 place – University of Texas — Austin

31 place – Al-Farabi Kazakh National University

32 place – Australian National University
40 place – Utah State University
45 place – University of California San Diego
50 place – Wofford College
On-going programmes
In 2015 the scientists of the University implemented 782 projects with total funding of 6.55 bn tenge (36.4 mln. USD), including:

- 448 projects of grant and program-targeted funding of Ministry of Education and Science of Kazakhstan on ASE RSI of Al-Farabi KazNU;

- 85 projects of grant and program-targeted funding of Ministry of Education and Science of Kazakhstan on DRIA of Al-Farabi KazNU;

- 12 projects of MES RK program «International collaboration and international scientific and technical programs and projects for 2013-2015»;

- 79 research works within the framework of business agreements with organizations and enterprises;

- 172 grants of international funds and organizations.
Research activity

Number of projects of grant financing of MES RK

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Projects</th>
</tr>
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<tbody>
<tr>
<td>2012</td>
<td>295</td>
</tr>
<tr>
<td>2013</td>
<td>334</td>
</tr>
<tr>
<td>2014</td>
<td>333</td>
</tr>
<tr>
<td>2015</td>
<td>332</td>
</tr>
</tbody>
</table>

The amount of research activity funding

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount (mln tenge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>3.5</td>
</tr>
<tr>
<td>2013</td>
<td>4.2</td>
</tr>
<tr>
<td>2014</td>
<td>4.3</td>
</tr>
<tr>
<td>2015</td>
<td>6.55</td>
</tr>
</tbody>
</table>

Publications in high-rated journals of Thomson Reuters and Scopus data bases in 2015

- Kazakhstan: 972
- KazNU: 241
- Satellite institutes: 16
**Patent-licensing activity**

**Foreign Patents**

1. «Method for extraction of Beryllium from the minerals of Genthelvite group when processing the raw minerals (ores, concentrates)»
   USA Patent № 8,945,492
2. «Method for extraction of Beryllium from raw genthelvite (danalite, genthelvite, helvite) and bertrandite (chrysoberl, euclase, bertrandite) mineral groups when processing the raw minerals (ores, concentrates)», USA Patent № 8,945,493
3. «Method for extraction of nicotine from tobacco raw materials», USA Patent № 9,004,074
11 international conferences, the International Student Forum «Green Bridge across generations» and International scientific conference of students and young scientists «Farabi alemi» were held within the framework of the III International Farabi readings devoted to the 25th anniversary of the Independence of Kazakhstan and to the year of Khoja Ahmed Yasawi under the aegis of UNESCO and the year of Yusuf Balasaguni under the aegis of TURKSOY.
International scientific-theoretical conference «Contribution of Yusuf Balasaguni’s creativity into the culture of the Turkic world», dedicated to the 1000th anniversary of the great thinker, scientist and poet Yusuf Balasaguni

April 13, 2016

The conference worked in two directions: “The contribution of Yusuf Balasaguni’s works into development of Turkic languages and literature” and “Historical, philosophical and cultural heritage of Yusuf Balasaguni“
The conference was held on the 4 sections:

1-section. A. Bukeikhanov and Alash liberation movement;
2-section. A. Bukeikhanov and national spirituality (culture, literature, history, philosophy);
3-section. The literary heritage of Alash intellectuals;
4-section. Actual problems of modern Alash.
The research activity of students

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>3149</td>
</tr>
<tr>
<td>2014</td>
<td>3708</td>
</tr>
<tr>
<td>2015</td>
<td>4110</td>
</tr>
</tbody>
</table>

Allocations for attracting students to research projects on a paid basis (bn tenge) for 2013-2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>1.3</td>
</tr>
<tr>
<td>2014</td>
<td>1.5</td>
</tr>
<tr>
<td>2015</td>
<td>1.6</td>
</tr>
</tbody>
</table>
The 1st Technology festival «Tech Garden Fest 2015“ held in September 26, 2015.

The project of PhD, specialist of laboratory of engineering profile Alpysbaeva Balausa “Membranes on the basis of nanoporous aluminum oxide" entered the 10 best innovation projects of the section "Smart Industry, and Infrastructure” and has received funding on the line of “NATD“ in amount of 5 mln KZT (28,000 USD).
November 23, 2015 the student of the 3rd course of the Faculty of Geography and Nature Management of Al-Farabi KazNU with the presentation of R&D «Using the VA bioluminescent strain for bioindication of the ecological state of Almaty» won the contest of youth innovation projects «Zhashtar Innovation» and was awarded a grant in amount of 1 mln KZT (5,600 USD).
The State program of industrial and innovative development of Kazakhstan for 2015-2019 is developed in accordance with the long-term priorities of the Strategy «Kazakhstan-2050»

**Goal**
- Stimulation of diversification and improvement of competitiveness of the manufacturing industry

**Tasks**
- advanced development of the manufacturing industry;
- improvement of efficiency and increasing the added value in the priority sectors;
- expansion of markets for non-primary goods;
- increase of productive employment;
- giving a new level of manufacturability to priority sectors of industry and providing a basis for development of future sectors through the formation of innovation clusters;
- stimulation of entrepreneurship and development of small and medium-sized businesses in the manufacturing industry.
<table>
<thead>
<tr>
<th>№</th>
<th>The educational program within the framework of SPAIID-2</th>
<th>Master speciality</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Innovation technologies for food industry</td>
<td>Biotechnology</td>
<td>2017</td>
</tr>
<tr>
<td>2</td>
<td>Technology of pharmaceutical production</td>
<td>Chemical technology of organic substances</td>
<td>2017</td>
</tr>
<tr>
<td>3</td>
<td>Clean Energy and Sustainable Development Standards</td>
<td>Standardization and certification</td>
<td>2017</td>
</tr>
<tr>
<td>4</td>
<td>Petrochemical Engineering</td>
<td>Petrochemistry</td>
<td>2018</td>
</tr>
<tr>
<td>5</td>
<td>Innovation technology of new materials for industry</td>
<td>Materials science and technology of new materials</td>
<td>2018</td>
</tr>
<tr>
<td>6</td>
<td>Technology of building materials</td>
<td>Chemical technology of inorganic substances</td>
<td>2019</td>
</tr>
</tbody>
</table>
New educational programs for 2016

Green energy for industry

Nanomaterials and Nanotechnologies for Industry
Perspective directions of SPIID-II

- Oil and gas complex
- Chemical Industry
- Metallurgical complex
- Food industry
- ICT / Space technologies
- “Green” Energy
- Pharmaceutics

Opening of laboratories → Increasing the material-technical base → Research

- **2015 год**: 2,1 bn tenge/ 11,7 million $
- **2016 год**: 2,3 bn tenge/ 12,5 million $
- **2017 год**: 2,3 bn tenge/ 12,5 million $
UNIVERSITY

Educational programs SPIID-2

MA student

Process of formation of competences

Specialist

Theoretical training (Specialists – production workers, Universities are partners)

Practical training in enterprises

Graduation work in the industrial area

Attestation of qualification in professional associations

Stage 1

Educational stands, specialized laboratories

Stage 2

Equipment of enterprises

Stage 3

Semi-industrial equipment
Specialized laboratories

Stage 4

Equipment of enterprises

Material and technical base

The research work of a student (Theoretical calculations, chemical experiments, simulation, analysis)

Pilot developments (3D-printing) (semi-industrial sample, implementation of developments, commercialization of ideas)
Al-Farabi Kazakh National University

**Directions of SPIID-II:**

- **Educational Programs:**
  - Petrochemistry
  - Materials science and technology of new materials, Nanotechnologies
  - Chemistry and technology of rare and rare earth metals
  - Genetic engineering, Food and Biological Safety,
  - Nuclear power, Alternative energy and energy saving technologies, Geo energy
  - Automation and robotics, space technologies, Innovation management, innovative entrepreneurship
Number of the developed up-to-date **profiled Master programs** for various SPIID-2 branches on examples of the best world universities: 9 EP in 2015-2017

Number of the opened world level educational and research laboratories: 3 laboratories in 2015-2017

**Number of undergraduates**, annually credited to **profiled Master programs** for training at state budget expense: 350 undergraduates in 2015/2016 year; 350 - in 2016/2017 year, 350 - in 2017/2018 year

Average evaluation of readiness of graduates on SPIID-2 specialties to work on the basis of an independent survey of key employers in SPIID-2 industries (score on a 100-point scale) (80 in 2017, 83 in 2018, 85 in 2019)

**Number of undergraduates employed after graduation on the specialty, which were trained in SPIID-2 programs** - 100%
First time in Kazakhstan the scientific and technological nanosatellites “Al-Farabi-1” and “Al-Farabi-2” are designed and assembled on the basis of the University within the framework of realization of the student international project UNIFORM with the University of Tokyo.
CREATION OF START UP AND SPIN OFF COMPANIES TOGETHER WITH BUSINESS

«Elevate»

«Rochshiaru»
«KMprint»
«Top generation group»
«Smart student press»

«Atameken Exchange»
«GeoGISCad»
«New type of keyboard with optical encoding»

«First entrepreneur school»
«N.A.T. GROUP
WE SEE EVERYTHING»
«Elevate»
Social projects of international and republican significance are realized

• International Student Forum "Green bridge across generations"

• The international project «STUDIK» with the support of "Tempus" program

• Republican patriotic festival "Men zhastarga senemin"
Innovation socially significant projects

«BRIGHTEN ON ONE CORNER!»
with information support of «Aikyn» newspaper

«100 KITAP» (“100 Books”)
with information support of «Zhas kazakh» newspaper

«CULT OF HEALTHY AND BEAUTIFUL BODY»

«KazNU - GREEN CAMPUS»

«Day of national cinema»
Al-Farabi Smart University - a support of creation of smart city, smart economy, scientific and technological progress based on the spiritual and moral foundations.

"Point of growth" of innovation economy

- Corporate network, e-Campus
- Security monitoring system
- Smart-library
- Students Service Center – Micro model of the smart city
- Technology parks, business incubators, innovation and biomedical clusters
- III stage of PIT “Alatau“ development

"Point of growth" of a new worldview

- Code of corporate culture, honor code of student
- “Brighten your corner”, “100 books”
- Pedagogical mentorship
- Implementation of breakthrough projects
- Competence-based approach
- An independent evaluation of students' knowledge
- Rating system of remuneration
- Student government

Corporate network, e-Campus
Security monitoring system
Smart-library
Students Service Center – Micro model of the smart city
Technology parks, business incubators, innovation and biomedical clusters
III stage of PIT “Alatau“ development

Code of corporate culture, honor code of student
“Brighten your corner”, “100 books”
Pedagogical mentorship
Implementation of breakthrough projects
Competence-based approach
An independent evaluation of students' knowledge
Rating system of remuneration
Student government
III stage of realization PIT “Alatau” on the basis of REIC KazNU

1 stage
PIT «ALATAU»

2 stage

3 stage

REIC Al-Farabi KazNU

- residents of PIT “ALATAU”

«Innovative Almaty»

IT Technopark

KazNU

Medical and biological cluster

Innovation cluster
Scheme of interactions of REIC KazNU

**GENERATORS OF TECHNOLOGIES**
Scientists and innovators of university, scientific institutes and centers

**REIC of Al-Farabi KazNU**

**IT Technopark**
Training staff, researches and R&D

**INVESTORS, ENTREPRENEURS AND VENTURE FUNDS**
Association of Business Angels, Venture Capital Funds, Investors, Entrepreneurs

**Foreign partners:** investors, enterprises, universities, tech. brokers, commercialization centers

**Commercialization of Kazakhstan developments abroad,**
**Localization of foreign developments in the Republic of Kazakhstan**
Interaction of IT-Technopark with Autonomous Cluster Fund (ACF)

1% of the total gross income of mineral developers

III stage of PIT "Alatau" realization

Subsoil users

ACF
AUTONOMOUS CLUSTER FUND

Subsoil users

IT-Technopark

+ aic
association of innovative companies
International collaboration
Partner universities by countries

- CIS: 38%
- Korea: 15%
- China: 7%
- Turkey: 7%
- Japan: 5%
- USA: 4%
- Germany: 4%
- UK: 4%
- France: 3%
- Hungary: 3%
- India: 2%
- Italy: 2%
- Poland: 3%
- Spain: 3%
- India: 2%
- Italy: 2%
- Turkey: 7%
- China: 7%
International funds and organizations financing university projects

- TEMPUS: 23%
- DAAD: 12%
- Universities of South Korea: 4%
- Volkswagen Fund: 3%
- EFCA: 3%
- “Newton-Al-Farabi”: 3%
- Universities of China: 11%
- Universities of South Korea: 4%
- NATO: 5%
- IAEA: 1%
- ISTC: 1%
- Erasmus Mundus: 13%
- George C. Marshall Center: 2%
- MES international cooperation projects: 12%
- Japan fund and universities: 7%
In the framework of the VII Astana Economic Forum on May 21-22, 2014, III Asian Universities Forum was held on the basis of the Al-Farabi Kazakh National University.
UN Program «Academic Impact»

AL-FARABI KAZNU - GLOBAL HUB
OF THE UN
"ACADEMIC IMPACT"
PROGRAM ON SUSTAINABILITY
http://unaihub.kaznu.kz/

2nd Seoul Forum of the UN «Academic Impact»

UNESCO/UNITWIN Chair Program
UNESCO Chair on Sustainable Development at al-Farabi KazNU

G-Global Conferences: problems and perspectives of sustainability
www.g-global.kaznu.kz
KazNU is the Global Hub for Sustainable Development of the UN and has become a very important partner of the UN in promoting the ideas of the international organization.
On the occasion of the 20th anniversary of the founding of People's Assembly of Kazakhstan in the framework of the program «Almaty - Capital of Islamic Culture – 2015» in March 4, 2015 at Al-Farabi University the opening ceremony «Chair and Scientific-educational and cultural center of TURKSOY» was hosted.

The purpose of the center - to explore the rich spiritual heritage of Turkic peoples, to contribute to the coordination of international relations between independent Turkic states, to give impetus to the development of friendly relations between related Turkic peoples of Kazakhstan, and to raise cultural, humanitarian, scientific and technical integration between the countries of the Turkic world to a new and dynamic level.
TURKSOY chair

TURKSOY chair was founded in 2015 on the basis of Chair of Turkology and Indology.

Mission of the chair - training of competitive specialists in Turkic studies for ensure of innovative development and socio-cultural unity of Kazakh society.
Iran-Turan

Joint project with the University of Cambridge and Islamic Culture and Relation Organization

The purpose of the center is the implementation of joint international projects in the field of medieval history, cultural and literary relations of Iran and Turkic countries, in the field of epic tradition of the Eastern peoples and others. Center provides preparation of international interdisciplinary projects for participation in the competitions of international organizations and foundations for Turkish-Iranian grant funding programs such as Newton - Al-Farabi and others.
Future plans
IT TechnoPark of the University Alliance
"NEW SILK ROAD" on the “Silicon Valley” model

Center of Supercomputing and Cloud Computing of Al-Farabi KazNU

The project of supply and installation of a supercomputer
Center of Supercomputing and Cloud Computing of Al-Farabi KazNU

Areas:
- Ecological problems;
- Problems of oil and gas industry;
- The objectives of bioinformatics;
- E-campus;
- Nanotechnology; Seismic and exploration tasks;
- Economic and social forecasting;
- Health and others.

- 60 teraflops CPU
- 20 teraflops GPU
- 20 T teraflops Cloud
- 10 teraflops MIC
- 13 teraflops Virtual Desktop for E-campus
- 7 teraflops Cloud computing

«Silk Way» Fund, Ministry of commerce of PRC
Goals of Al-Farabi KazNU for 2015-2019

- Enter the top 200 leading research universities in the world
- Transformation of the classical national university into the world-class research university
- To increase quantity of publications in rating journals with impact-factor to 2000
- To increase volume of revenues from commercialization of scientific developments to 1.8 bn tenges/10 mln $
- To achieve 98% employment of graduates
- To increase share of accredited educational programs to 100%
- Creation of scientific, educational and innovation cluster for realization of the third stage of PIT "Alatau" at Al-Farabi Kazakh National University.
Proposals for participation in COMSATS’ programmes
We would like to enter into a partnership with

TÜBITAK Marmara Research Centre (MAM)
COMSATS Institute of Information Technology
International Center for Climate and Environment Sciences
Institute of Atmospheric Physics, Chinese Academy of Sciences
National Research Centre (NRC) Egypt
Embrapa Agrobiologia
International Centre for Environmental and Nuclear Sciences (ICENS)
International Center for Chemical and Biological Sciences (ICCBS) Pakistan

and also we are glad to welcome other organizations
Thank you for attention!