



*Al-Farabi Kazakh
national university
(Geography): European
vector of international
activity*

15-17 October, 2017





OVERVIEW



Al-Farabi Kazakh National University (KazNU) is the leading institution of the system of higher education of the Republic of Kazakhstan and one of the top university of Central Asia. The University was celebrated 80 years anniversary in 2014. The KazNU students showed the best results in Beijing-2008, London-2012 and Rio-2016 Olympic Games.

The University was the first among CA universities joined to Global HUB of the UN “Academic Impact” program on sustainability, aimed at support of 10 internationally recognized principles of the UN. Under the UN support, Al-Farabi KazNU has become a part of the worldwide student program-game "The UN Model - the New Silk Road".





HIGHLIGHTS



High Confidence of the UN

First University of Kazakhstan with
QS «Four Stars» of Excellence



QS World University
Ranking
#220

KazNU is the top 10 best universities in
emerging Europe and central Asia

251 place among 500 universities in
QS Employability Ranking



FACULTY OF GEOGRAPHY AND ENVIRONMENTAL SCIENCES



Department of geography,
land management and
cadastre

Department of
Cartography and
Geoinformatics

Department of
Meteorology and
Hydrology

Department of
Recreation
Geography and
Tourism

UNESCO Chair in
Sustainable
Development

The faculty of geography and environmental management KazNU of al-Farabi was established in 1948. At present the faculty trains specialists in the following areas:

- Geography
- Hydrology
- Meteorology
- Geodesy and Cartography
- Geoinformatics
- Ecology
- Secure livelihood
- Tourism
- Cadastre
- Land management



DEPARTMENT OF GEOGRAPHY, LAND MANAGEMENT AND CADASTRE

Structure of educational programs

- **BACHELOR**
- 5B060900-Geography
- 5B090300-Land management
- 5B090700-Cadastre
- **MAGISTRACY**
- 6M060900-Geography
- 6M090300-Land management
- 6M090700-Cadastre
- **DOCTORATE**
- 6D060900-Geography
- 6D090300- Land management
- 6D090700 – Cadastre

Teaching Staff

- 12 Doctors of Science
- 17 Candidates of science
- 5 PhD doctors
- 20 Senior lecturers
- 10 Lecturers



JOINT EDUCATIONAL PROGRAM WITH THE UNIVERSITY OF SALZBURG



- Agreement on academic exchange and cooperation between al-Farabi Kazakh National University and Paris-Lodron University Salzburg
- Master program "Geoinformatics"
- Bachelor program "Geography"
- Doctoral program on "Geography", "Land management" and "Cadastre"
- Bachelor program "Cadastre" and "Land Management"
- Development educational programs with European Partners on the speciality Geography at English language (developers: Josef Strobl, Karl Donert, Nazarkulova Ainura, Bela Markus, Isolde Brade, Quazi Zaman and others)



Students Mobility



Year	Amount	Purpose	Duration	Country
2010-2011	3	Academic mobility	4 month	(Salzburg, Austria)
2011-2012	9	Academic mobility	4 month	(Salzburg, Austria)
2012-2013	8	Academic mobility	4 month	(Salzburg, Austria)
2013-2014	4	Academic mobility	4 month	(Salzburg, Austria)
2014-2015	3	Academic mobility	4 month	(Salzburg, Austria)
2015-2016	2	Academic mobility	4 month	(Salzburg, Austria)
2017-2018	2	Academic mobility	4 month	(Salzburg, Austria)
2017-2018	3	UNIGIS MSc program	4 month	(Salzburg, Austria)
2018-2019	6	Academic mobility	4 month	(Salzburg, Austria)



PARTICIPATION IN EU EDUCATIONAL AND SCIENTIFIC PROGRAMS

- Since 2010, she has successfully participated in international educational and scientific programs (Erasmus Mundus, ERASMUS +, TEMPUS, etc.)
- TEMPUS Project GEM 510978-TEMPUS-1-2010 *GEOINFORMATICS: MANAGING ENERGY RESOURCES, ENVIRONMENT*
- gSmart – Spatial ICT Infrastructure for Smart Places 545696-EM-1-2013-1-AT-ErasmusMundus-EMA21
- 09/2018 – won and for participating in project ERASMUS + with Salzburg University



Foreign internship for teachers on the program gSMART

Nyussupova.G.N.

- Salzburg University, Austria

Kerimbay N.N., Assylbekova A.,
Kudaibergenov M., Kakimzhanov
Y.

- West Hungarian University,
Hungary



Teaching Staff and students
studying on the network of
distance learning geographic
information technologies
UNIGIS



1. Bekkuliyeu A
2. Khalmurzaeva G
3. Kadylbekov M
4. Ershybulov A
5. Temirali A



PARTICIPATION IN THE PROGRAM TEMPUS

Project GEM
510978-TEMPUS-1-2010
*GEOINFORMATICS:
MANAGING ENERGY
RESOURCES, ENVIRONMENT*



European Commission
TEMPUS

Project participants

Number	Name	Position
1	Salnikov V.G	Professor, Dean of the Faculty of Geography and Environmental Management
2	Nyusupova G.N	Professor, Head of the Department of Geography, Land Management and Cadastre
3	Kerimbay N.N.	Ph.D., Associate Professor of the Department of Cartography and Geoinformatics
4	Aktymbaeva A.S	Associate Professor of the Department of Tourism and Recreational Geography
5	Assylbekova A.A	PhD, Senior Lecturer, Department of Cartography and Geoinformatics
6	Sarsenova I.B.	PhD, senior lecturer of the department of geography, land management and cadastre
7	Ikanova A.S.	Senior Lecturer at the Department of Geography, Land Management and
8	Kairanbayeva G.K.	inventory
9	Taukebayev O.Zh.	PhD, candidate, teacher of the department of geography, land management and cadastre
		Senior Lecturer of the Department of Cartography and Geoinformatics

Project coordinator

Number	Name	Position
1	Josef Strobl	Professor, University of Salzburg



Sustainability of the project “GEM”



Opening of the master program
"Geoinformatics" under the specialty
Geography



Opening GIS laboratory on the
Master program "Geoinformatics"





GEOINFORMATICS - INTEGRATOR OF MODERN SCIENCES AND TECHNOLOGIES

www.kaznu.kz

www.ksucta.kg

www.korkyt.kz

www.oshtu.kg

www.tgpu.tj

www.ucentralasia.org



INTERNATIONAL MASTER PROGRAMME DEVELOPED JOINTLY BY SEVEN THE PARTNER UNIVERSITIES OF CENTRAL ASIA

1. AL-FARABI KAZAKH NATIONAL UNIVERSITY
2. KYRGYZ STATE UNIVERSITY FOR CONSTRUCTION, TRANSPORT AND ARCHITECTURE
3. KORKYT ATA KYZYLORDA STATE UNIVERSITY
4. M.M. ADYSHEV OSH TECHNOLOGY UNIVERSITY
5. TAJIK AGRARIAN UNIVERSITY NAMED AFTER SHIRINSHO SHOTEMUR
6. S.AINI TAJIK STATE PEDAGOGICAL UNIVERSITY
7. UNIVERSITY OF CENTRAL ASIA

EUROPEAN PARTNERS:

- UNIVERSITY OF SALZBURG (AUSTRIA)
- VRIJE UNIVERSITEIT AMSTERDAM (NETHERLANDS)
- WEST HUNGARY UNIVERSITY (HUNGARY)

<http://msc-gem.zgis.net>

Graduates of the master program receive strong professional knowledge and skills on Geoinformatics, remote sensing, and rational use of natural resources. The annual admission is started in 2011

Graduates of the program can work in various state authorities and administrations, research institutes and universities, the state and private companies in the field of management of energy of environment, geoinformatics, geodesy of cartography, land management and etc.

BASIC MODULES:

Collection and integration of data
Information technologies
Introduction in GIS
Remote sensing
Base geodata



<http://tempusgem.zgis.net>

Cartography
Management of the project
Spatial analysis of data
Spatial modules of data

GENERAL INFORMATION:

- Education – intramural, 2 years
- Study beginning – 1 September of each year
- Language of study: English and Russian
- International Educational program
- Intake on a grant and commercial base

RECEPTION RULES:

- Graduates of bachelor degree with diploma in technical area and geosciences
- List of documents for intaking in master define with each university separately

CONTACT DETAILS:

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- KKSU, Kenshinbay Temirbolat, kenshinbayt@mail.ru
- OshTU, Ergeshova Gulshaan, gulshaan.ergesova@oshtu.kg
- TAU, Kodirova Zamirakhon, kadirovaz@gmail.com
- TSPU, Khidirov Muzaffar, muzaffartspu@gmail.com

The Master Program in Geoinformatics has been developed and funded with support from the E through the TEMPUS project "Geoinformatics: Managing Energy, Resources and Environment" 510978-TEMPUS-1-2010-1 <http://tempusgem.zgis.net>. Project Coordinator: Prof. Dr. Josef Strobl. Geoinformatics - Z_GIS | University of Salzburg, Austria www.zgis.at. This document reflects the views of the authors only, and the Commission cannot be held responsible for any use which may be made of the information contained herein.

In 2012 started the international master program Geoinformatics with Z_GIS Salzburg University



GEOINFORMATICS - INTEGRATOR OF MODERN SCIENCES AND TECHNOLOGIES

www.kaznu.kz

www.ksucta.kg

www.korkyt.kz

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- WEST HUNGARY UNIVERSITY (HUNGARY)

One of promptly developing directions of geomatics is the geoinformatics, which cooperating with new fields of activity of the person and professional knowledge in various areas - science, techniques, education, management, marketing and etc.

International Master Program "GEOINFORMATICS"

Geoinformatics - the science, technology, and production activities on the scientific rationale, design, implementation, operation, and use of geographic systems, the development of geographic information technologies, the application of GIS for practical and scientific purposes.

Faculty given lectures within the draft of the international master program "Geoinformatics" according to the Bologna declaration. Geoinformatics has an extensive experience which allows to prepare experts on requirements of a modern labor market. They own modern GIS and remote sensing programs, such as ArcGIS, ERDAS IMAGINE, ENVI, which will be successfully acquired during the study.

THE LANGUAGE OF STUDY: ENGLISH AND RUSSIAN

The GEM project is directed on achievement of several purposes: planning and development master of the special Geoinformatics at universities of the partner countries, introduction with accurate emphasis on resource management and renewables, preparation of the qualified teachers in the field of geoinformatics and its appendices, establishment of close connections with production and other sectors of employment, creation of association of students and graduates in quality community of projects

Graduates of the master program receive strong professional knowledge and skills on Geoinformatics, remote sensing, and rational use of natural resources. The annual admission is started in 2011

<http://msc-gem.zgis.net>

Graduates of the program can work in various state authorities and administrations, research institutes and universities, the state and private companies in the field of management of energy of environment, geoinformatics, geodesy of cartography, land management and etc.

BASIC MODULES:

Remote sensing Introduction in GIS Spatial modules of data
Collection and integration of data Spatial analysis of data
Information technologies Cartography and visualization
Base geodata Management of the project

<http://tempusgem.zgis.net>



GENERAL INFORMATION:

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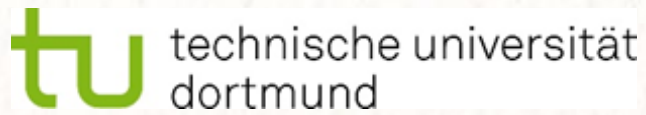
CONFERENCE GISCA - "GIS IN CENTRAL ASIA" was held in Almaty, 2011, 2013 and 2018





UNIVERSITY OF
BIRMINGHAM

Foreign partners





Thank you for your attention!