

**Kick-Off Meeting
Berlin
4-5 March 2019**

**New and Innovative
Courses for Precision
Agriculture**



**TASHKENT INSTITUTE OF IRRIGATION AND AGRICULTURAL
MECHANIZATION ENGINEERS (TIAME),
FACULTY OF LAND MANAGEMENT**

MR. ILHOM ABDURAHMANOV

**Joint Project: Capacity Building in the Field of
Higher Education ERASMUS+ 2018**

Co-funded by the
Erasmus+ Programme
of the European Union



University Profile: Short History; Facts & Figures



TIIAME was established which included Hydromelioration and Mechanization faculties in

1934



TIIAME was transformed into Tashkent Institute of Irrigation and Melioration (TIIM) by the Resolution №150 of the Cabinet of Ministries of the Republic of Uzbekistan in

2004



TIIM was changed to TIIAME by the Resolution №PR-3003 of the President of the Republic of Uzbekistan in

2017



University Profile: Short History; Facts & Figures

7
FACULTIES



12
PhD programs



250
Associate professors



19
Bachelor of
Sciences
programs



50
Doctor of
Sciences



16
Master of
Science
programs



200
Candidate of
Sciences



International Cooperation



International Cooperation

Memorandum of Understanding and Agreements – 78

Russian Federation – 26

Belarus – 2

Ukraine – 1

USA – 2

Germany – 10

Austria – 2

Hungary – 2

Netherlands – 1

Croatia – 1

Czech Republic – 1

Slovakia – 2

France – 1

China – 4

Japan – 1

Turkey – 3

Azerbaijan – 1

Kazakhstan – 11

Tajikistan – 2

Turkmenistan – 1

Afghanistan – 1

Uzbekistan – 3

International Mobility in 2018

Incoming staff – 11

Incoming students – 30

Outgoing staff – 76

Outgoing students – 32

Current international projects – 22

Educational – 19

Scientific – 3

Erasmus+ CBHE – 2

Erasmus+ ICM – 10



International Cooperation

- Ongoing "double diploma" program with foreign advanced universities (Wageningen University, the Netherlands, Michigan State University, USA, Agricultural University of Nitra, Slovakia).
- The Center for Geoinformatics was established** in collaboration with the Royal University of Sweden.
- TIAME is an active participant** in TEMPUS, ERASMUS MUNDUS and other educational and scientific programs of the European Union, the United Nations Development Program, the programs of World Bank, ADB, Zhaiki (Japan), USAID (USA), GTZ and BMVF (Germany), IWMI, ICARDA, CAREC and other international centers
- International Agreement between POWER CHINA company** (supporting annually 6 master students study at Hohai University in China)
- International educational and scientific grants** are annually carried out for a total amount of more than \$ 1 million.



University Profile: Faculties

1. **Hydromelioration**
2. **Land Management**
3. **Hydrotechnic Construction**
4. **Mechanization of Agriculture**
5. **Mechanization of Hydromeliorative works**
6. **Organization and Management of Water Resources**
7. **Energy Supply in Agriculture and Water Management**

Bukhara branch



Faculty of Land Management



The faculty was founded in 1945 under TIAME.

It is a single faculty which prepares a highly qualified specialists in land use, land cadaster, geodesy and cartography for agriculture and water resources.

Nowadays, more than 780 students study at the faculty in modern conditions using modern laboratory equipment in the educational process.



BA/MA Programs Offered by the Faculty

STUDY PROGRAMMES

Bachelor

Geodesy and Geoinformatics

Land cadaster and its usage

Master's

Geodesy and Geoinformatics

Land cadaster and its usage

Doctoral

Land arrangement, cadaster and land monitoring

Geoinformatics



CHAIRS

Geodesy and Geoinformatics

Land Use

State Cadasters

Previous EU projects in CBHE connected with NICoPA

Tempus LAREMA: Land Resources Management in Uzbekistan (2007-2017)

BSc in Land Management, 8 UZ modules

Tempus GE-UZ: Geoinformatics: Enabling Sustainable Development in Uzbekistan (2012-2015) www.ge-uz.eu

MSc in Geoinformatics, 8 UZ modules

Erasmus+ DSinGIS: Doctoral Sciences in Geoinformation Sciences (2017-2020)

www.dsingis.eu

PhD in Geoinformatics, 8 EN and 10 UZ modules



Curricula/Modules Studied in the BA/MA Programs to Upgrade

BSc modules

Photogrammetry and Remote Sensing

Basis of Remote Sensing

Digital Photogrammetry

Cartographic design

Land Management

Land Monitoring

Cartography

Geodesy

GIST

MSc modules

Geodatabases and Distributed Architectures

Project Management and Organization

Geoinformation Systems and Science

Data Acquisition and Data Integration

GIS in Land Use and Management

Cartography and Geovisualization

Spatial Data Models

Remote sensing

Spatial Analysis



New Curricula/Modules for BA/MA Programs

Remote Sensing and Application of Earth and Environment related PA:

8 ECTS; 64 contact hours; 74 hours praxis; 64 hours student workload;

Basics of the Precision agriculture –

characteristics, technologies, economic efficiency, optimal use of resources 5 ECTS;

72 contact hours; 40 hours praxis; 42 hours student workload.



Work Group of the Project NiCoPA, Key staff

No.	Name; email	Role in project	Position
1.	Prof. Uktam Umurzakov	Project Advisor (1.2 Prep., 2.3 Dev., 3.1 Quality)	Rector
2.	Dr. Bakhadir Mirzaev	Academic leader (1.1, 1.2 Prep., 2.3, 2.4, 2.5, 2.6 Dev., 3.1 Quality, 4.1, 4.4 Diss.)	Vice rector for Education
3.	Ilhom Abdurahmanov	Coordinator + contact person of the project (1.1, 1.2 Prep., 2.2, 2.3, 2.4, 2.5, 2.6 Dev., 3.1 Quality, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6 Diss., 5.1, 5.2 Manag.)	PhD student
4.	Mamanbek Reimov	Project Manager (1.1, 1.2 Prep., 2.3, 2.5 Dev., 3.1 Quality, 4.3, 4.6 Diss., 5.1, 5.2 Manag.)	PhD student
5.	Ilkhom Khasanov	Project Accountant (2.2 Dev., 4.3 Diss.)	Chief Accountant
6.	Dr. Sharafatdin Narbaev	Teacher (1.1, 1.2 Prep., 2.5, 2.6 Dev., 3.1 Quality, 4.4, 4.5 Diss.);	Dean, Faculty of Land Management
7.	Zokhid Mamatkulov	Teacher (1.1 Prep., 2.1, 2.4 Dev., 4.3 Diss.)	PhD student
8.	Akbar Khamraliev	Technical Assistant (2.2, 2.6 Dev., 3.1 Quality, 4.1, 4.2, 4.3, 4.6 Diss.)	Specialist, International Cooperation Department
9.	Zoir Abdurahmonov	Volunteer student (4.1, 4.6 Diss.);	MSc student
10.	Javokhir Niyozov	Volunteer student (4.1, 4.6 Diss.);	BSc student



Thank you for your attention!

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