



**TIAME**  
**NATIONAL RESEARCH UNIVERSITY**

**Inter-University Cooperation  
for Research and Education in  
Water Governance and Diplomacy**

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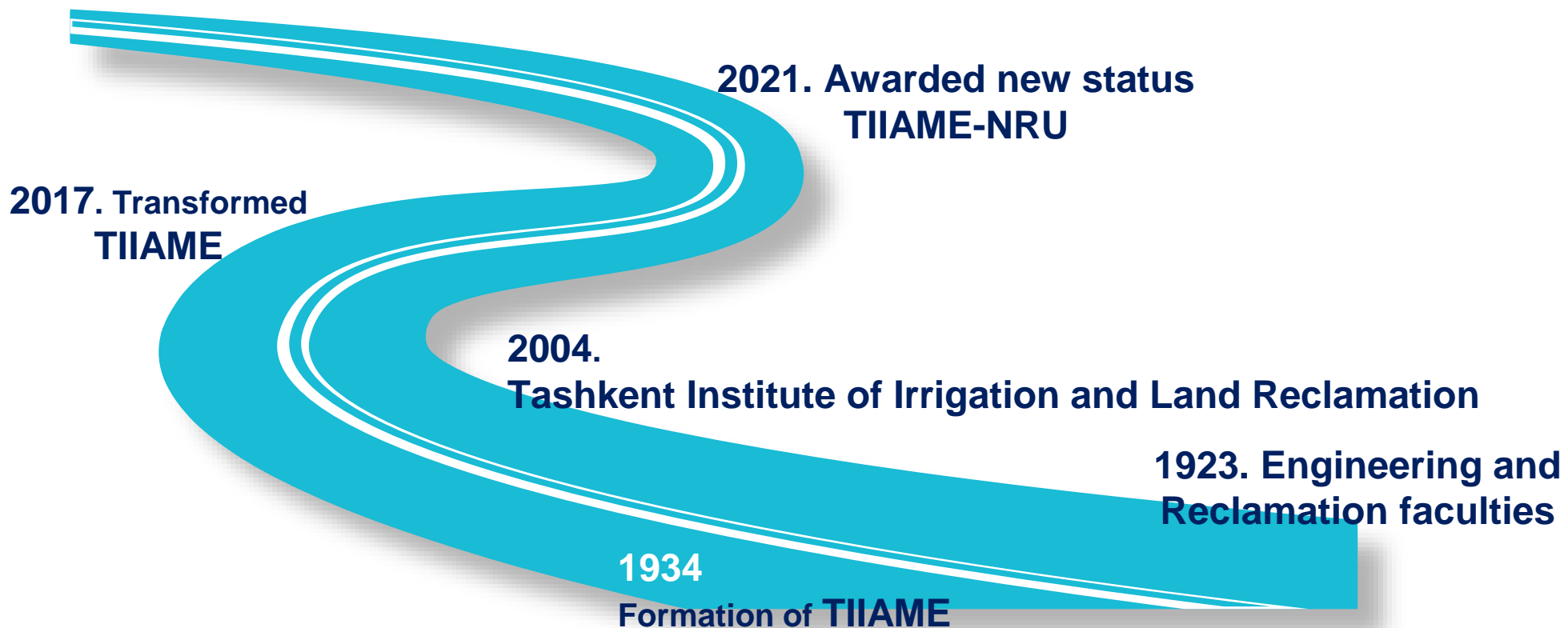


# TIAME-NRU



**TIAME-NRU is a first-class recognized academic and research university known for its leading programs in Engineering (irrigation, water resources, environment, energy and automation, agriculture, etc.), Natural Sciences, Land Management, Agricultural Economics and Management with almost 100 years of traditions.**

## History of the University




## Structure

- **Main Campus in Tashkent city:**
  - ❖ 7 faculties: 5605 national and 210 international students, 743 faculty members
  - ❖ Education and Research Farm
  - ❖ Fundamental and Applied Research Institute
  - ❖ Academic lyceum
  - ❖ Technical school
- **Bukhara Natural Resources Management Institute:**
  - ❖ 3 faculties: 1587 national and 13 international students, 129 faculty members
- **Karshi Institute of Irrigation and Agrotechnology**
  - ❖ 2 faculties: 1703 national and 21 international students, 138 faculty members
- **TIAME-NRU branch in Almaty**

**Academic and Financial Independence**


## Rankings of the University

**#451-500**  
**Engineering & Technology**



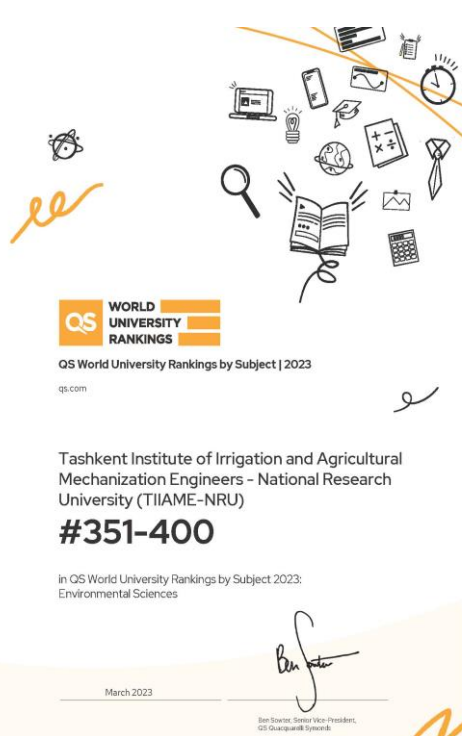
Tashkent Institute of Irrigation and Agricultural Mechanization Engineers - National Research University (TIAME-NRU)  
**#451-500**

**#501-520**  
**Natural Sciences**



Tashkent Institute of Irrigation and Agricultural Mechanization Engineers - National Research University (TIAME-NRU)  
**#501-520**

**#351-400**  
**Environmental Sciences**



Tashkent Institute of Irrigation and Agricultural Mechanization Engineers - National Research University (TIAME-NRU)  
**#351-400**

**National Ranking of the Republic of Uzbekistan 1**



**#601+**

Dunyo universitetlari THE Xalqaro reytingida TOP-601 o'rin

**#1**

O'zbekiston Oliy ta'lim muassasalari orasida TOP-1 o'rin

**#2**

Markaziy Osiyo va Kavkazorti davlatlari universitetlari bo'yicha TOP-2 o'rin

"Tashkent irrigatsiya va qishloq xo'jaligini mexanizatsiyalash muhandislar instituti"  
Milliy tadqiqot universiteti - TIAME.UZ



**547**

Tashkent Institute of Irrigation and Agricultural Mechanization Engineers - National Research University  
New Entrant

June 2024

Ben Sowter  
Senior Vice-President,  
QS Quacquarelli Symonds



# INNOVATIVE APPROACH

## Organization of the educational process

**Focused on balance of theoretical knowledge and skills of students**

- ❖ The balance of theoretical knowledge and skills considering integration in the "Science-Education-Production" system
- ❖ Modernization of the laboratory and technical capacity
- ❖ Internationalization of programs, staff, and students
- ❖ Advanced research, professional staff, and an innovative ecosystem
- ❖ The "5+1" system, branches of profiling departments at enterprises
- ❖ Joint classes and centers with advanced enterprises are mutually beneficial situations
- ❖ Focus group (students, practitioners, scientists, administrative, basin organizations...)





# EDUCATION PROGRAMS

## 40 Bachelor's degree programs

- ❖ Water Sector and Land Reclamation
- ❖ Water Supply Systems Engineering
- ❖ Hydrotechnical Constructions
- ❖ Agricultural Mechanization
- ❖ **Innovation Technology and Remote Sensing**
- ❖ **Mechatronics and Robotization**
- ❖ **Artificial Intelligence**
- ❖ **Information Systems and Technologies**
- ❖ **Mechanics and Mathematical Modeling**
- ❖ **Jurisprudence (transboundary water relations)**
- ❖ **MBA**
- ❖ **Energy and Renewable Energy Sources**
- ❖ Economics
- ❖ Land Management and Land Cadaster
- ❖ Ecology and Environmental Protection (water sector option), etc.

## 36 Master's degree programs

- ❖ Irrigated Agriculture and Land Reclamation
- ❖ Water Resources Planning and Management
- ❖ Artificial Intelligence
- ❖ Remote Sensing
- ❖ Water-saving Irrigation Technologies
- ❖ Hydrotechnical Structures
- ❖ Agricultural Mechanization
- ❖ Energy
- ❖ Environmental Protection (sectoral options)
- ❖ Jurisprudence (transboundary water relations), etc.

## 16 Doctoral programs (PhD и DSc)

## 12 Professional development programs for practitioners and decision makers



# THE UNIVERSITY OF WORLD ECONOMY AND DIPLOMACY



*UWED campus is located in Tashkent*

Established in 1992, the University of World Economy and Diplomacy is one of the leading educational and research institutions in Central Asia in the areas of International Relations, International Economy and International Law.



# UNDERGRADUATE DEGREE PROGRAMS

**UWED's bachelor's programs equip students with essential knowledge and skills for global success, taught by faculty with extensive academic background and professional experience in the following areas:**



**International Relations**



**Political Science**



**International Economy  
and Management**



**International Public and  
Private Law**

# MASTER'S DEGREE PROGRAMS

**The Master's degree programs at UWED are designed to provide students with the knowledge and skills they need to succeed in today's globalized world**



**International Relations and World politics**



**International Business Law**



**International Economics and Management**



**Practical Political Science**



**International Law**



**Economic Diplomacy**

**The Master's degree focus areas include:** International security, European studies, Central Asian Studies, Islamic Studies, Business Administration



# TRAININGS on WATER GOVERNANCE and WATER DIPLOMACY



- ☞ Main discourses on and approaches to water governance
- ☞ Assess trends and challenges of water governance in Central Asia;
- ☞ Key legal and institutional aspects of water governance, both at global scale and for Central Asia;



- ☞ Discuss and develop elements of water governance curricula
- ☞ Understand and discuss academic texts in English language at an advanced proficiency level



- ☞ Water diplomacy: Concept, history and theories
- ☞ International Water Legislation: a key tool of water diplomacy
- ☞ Water diplomacy in the context of climate action, environmental protection and green development



- ☞ Local and bilateral disputes and cooperation



# NEEDs and FURTHER STEPS

## Assessment of the curricula of partner universities

- ❖ Analyze the WRM and WD related MSc programs curricula of the Central Asian member universities.
- ❖ Comparative analysis of the present curricula and the basic modules developed in the framework of the project.
- ❖ Developing recommendations on how to further develop teaching of these subjects so that they can be most effectively integrated into the basic packages (modules) on water governance and water diplomacy.
- ❖ Developing recommendations on subjects in the university curriculum that can be taught effectively by the university itself, and subjects that can be more effectively taught in collaboration with another university or other universities.
- ❖ Developing recommendations on the use of e-learning platforms to complement face-to-face lectures by the teaching staff.

## Designing template of unified curricula of WRM and WD MSc Programs

- ❖ Assessment of their compatibility with the basic packages (modules) on water governance and water diplomacy developed in the framework of the project.
- ❖ Assessment of the ratio of subjects that are also included in the basic packages (modules)
- ❖ Recommendations on a phased introduction of the modernized or new modules, offering a choice for each university, depending on the ratio of themes that already exist in the present curriculum.

# TARGET for the TIAME-NRU and UWED

## Development of joint interdisciplinary MSc program on WD

### I. Mandatory Subjects:

Research Methodology; Academic Writing; GIS, National and International Water Relations; EIA; Water Economics; WEFE\_Nexus, WRP&M; Water Diplomacy etc.

### II. Electives (based on student's background)

- Hydrology, Hydrogeology; Water Quality; Hydroecology; I&D, Water Treatment; Water Supply and Sanitation etc/

- Water Law, Environmental Legislation, Institutional economics, etc.

III. Jointly developed by universities and coordinated with stakeholders' program and interuniversity mobility

## Development of joint thinktank

- ❖ Training and retraining of specialists working in organizations involved in organization of multipurpose water resources management and use
- ❖ Training and retraining representatives of decision-making circles
- ❖ Designing and conducting of research and studies in the areas of water diplomacy including local, basin, intersectoral and transboundary levels.



# Inter-University Cooperation for Research and Education



## Agreed Actions:

- Joint Master's Degree Program in Water Diplomacy
  - Collaboration in Establishing a Joint Water Diplomacy Centre
  - Joint Research Initiatives and Fundraising
  - Exchange Programs
  - Academic Events
  - Special Short-Term Academic Programs
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# Inter-University Cooperation for Research and Education



## Joint Master's Degree Program in Water Diplomacy

**THANK YOU !**