



Periodical Report  
6 Months of project  
implementation

# Crisis and Risk Engineering for Transport Services

## TURKMEN STATE ARCHITECTURE AND CONSTRUCTION INSTITUTE



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

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

**BENOV MAKSATGULY**



# Work plan



TÜRKMENISTANYŇ BILIM MINISTRRLIGI  
TÜRKMEN DÖWLET BINAGÄRLIK-GURLUŞYK INSTITUTY

«TASSYKLAÝARYN»  
Türkmen döwlet binagärlik-gurluşyk  
institutyň rektory  
\_\_\_\_\_ B.Atamanow  
“\_\_\_” \_\_\_\_\_ 2019 ý.

2018-2021-nji ýyllarda “Crisis and Risks Engineering for Transport Services (CRENG)” taslamasyny amala aşyrmak boýunça geçirilmeli çäreleriň

## MEÝILNAMASY

№	Geçirilmeli çäreler	Taslamanyň iş meýilnamasyna salgylanma	Ýerine ýetirilmeli möhleti	Düşündiriş
1	Türkmen döwlet binagärlik-gurluşyk institutynda taslamany durmuşa geçirmek boýunça iş meýilnamasyny taýýarlamak	1.1	15.12.2018	Taslamanyň meýilnamasyny tassyklamak we agzalaryň jogapkärçiliklerini kesgitlemek bilen iş toparyny döretmek
2	Okuw döwründe okadylýan dersleriň sanawyny düzmek, ornaşdyrmak we kämilleşdirmek. Ugur: 5.37.00.00. Ykdysadyýet we dolandyryş Hünär: 5.37.05.37. Logistika (Gurluşyk pudagynda)	1.1	20.12.2018	Dersleriň sanawy: 1. Logistikanıň esaslary; 2. Menejment; 3. Marketing; 4. Mikro we makro ykdysadyýet; 5. Statistika; 6. Pudagyň ykdysadyýeti; 7. Gümruk işi;
3	CRENG boýunça magistrlik maksatnamasy bilen ylalaşmak	1.2	31.03.2019	CRENG boýunça magistrlik maksatnamasyny öwrenip, onuň bilen ylalaşmaklyk ýa-da ýok barada çözüň kabul etmek.
4	a) Ýewropanyň ÝOM-dan tarapyndan taýýarlanylýan materiallary bilen	2.1	a) 15.07.2019	a) Okatmagyň innowasion serişdelerini öz içine alýan täze esasy okuw maksatnamalary we çalşyrylymly modullaryň teswirnamasy



# Work group



No	Name, Surname	Position	e-mail/skype
1	Myradov Yolly	Dean of the Faculty of Economics and Management	<a href="mailto:yolly1605tm@mail.ru">yolly1605tm@mail.ru</a>
2	Garajayev Atageldi	Head of the department "Road construction"	<a href="mailto:ata8984@mail.ru">ata8984@mail.ru</a>
3	Bendov Maksatguly	Head of the department "Computer Technologies and systems"	<a href="mailto:bent@yandex.com">bent@yandex.com</a>
4	Myradova Sulgun	Head of the department "Economics and management of enterprises"	<a href="mailto:sulgun.mollim.@gmail.com">sulgun.mollim.@gmail.com</a>
5	Amanova Gowher	Head of the department "Management of real estate"	<a href="mailto:amanowa.mollim@gmail.com">amanowa.mollim@gmail.com</a>
6	Ballyyev Gayypnazar	Teacher of the department "Road construction"	<a href="mailto:ballyyew2304@gmail.com">ballyyew2304@gmail.com</a>
7	Suleymanov Resul	Teacher of the department "Economics and management of enterprises"	<a href="mailto:resa93@mail.ru">resa93@mail.ru</a>



# Courses to update



Name of the course to be upgraded	Person/teacher/department/faculty responsible for the course upgrade	What has to be upgraded in the course?	Deadlines
<b>1 Basics of logistics</b>	Suleymanow Resul Amanowa Gowher	The use of innovative approaches, Internet resources, satellite technologies and the latest models of GPS devices in training is provided.	04.2020
<b>2 Management</b>	Suleymanow Resul Amanowa Gowher	Introducing into the discipline training methods based on business games.	04.2020
<b>3 Marketing</b>	Myradowa Sulgun Ballyyew Gayypnazar	Deep study of international marketing. Exploring new technologies that facilitate the search for new outlets.	04.2020



# Courses to update



Name of the course to be upgraded	Person/teacher/department/faculty responsible for the course upgrade	What has to be upgraded in the course?	Deadlines
<b>4 Micro and Macroeconomics</b>	Myradowa Sulgun Atageldi Garajayew	An expanded study of the possibilities of analyzing the causes of changes in Micro and macro indicators in the modern economy.	04.2020
<b>5 Statistics</b>	Bavramowa Orazbibi Bendow Maksatguly	The introduction of digital methods in teaching, the use of elements of digital education in lectures, theoretical and practical classes.	04.2020



# Courses to update



Name of the course to be upgraded	Person/teacher/department/faculty responsible for the course upgrade	What has to be upgraded in the course?	Deadlines
6 Industry economics	Karatayew Kakabay Myradow Yolly	The use of innovative technologies in the learning process, allowing students to navigate the processes of the conventional and digital economies and gain optimal decision-making skills.	04.2020
7 Customs business	Myradowa Sulgun Amanowa Gowher	Create partnerships with entrepreneurs and study their practical experiences to improve students' perceptions of discipline. The use of modern digital teaching methods, Internet resources and video lessons.	04.2020



## Criteria for teacher selection for trainings



When choosing teachers to participate in trainings planned at EU universities, the following preferences are given:

- knowledge of English;
- teaching experience in higher education - at least 3 years;
- higher education in the field of logistics, or computer technology;
- the ability to innovate in the education process;
- willingness to further improve their knowledge.



# Criteria for teacher selection for trainings



Bendow Maksatguly

- Head of the Department “Computer Technologies and Systems”.
- He has 10 years experience in international projects. Knowledge of computer technology and automation, work with graphics, network and Web technologies.
- Successful participation in projects:
  - TEMPUS project (European-Turkmen Center for Continuing Education to improve inter-sectoral professional qualifications in the oil and gas sector
  - TEMPUS project: “Development of international relations important for the development of the system of higher education of Turkmenistan”
  - (Introduction of Quality Management in E-Learning at central Asian universities));

Amanowa Gowher

- Head of the Department “Management of real estate”
- Work experience at manufacturing enterprises in the economic department 2 years
- Experience as a teacher at a higher educational institution 5 years





# Equipment & Software



Equipment/ Software	Name of the person(s) responsible for the equipment/software installation	Occupation of the responsible persons	Contact information of the responsible persons
Equipment	Amanova Gowher	Head of the department “Management of real estate”	<a href="mailto:amanowa.mollim@gmail.com">amanowa.mollim@gmail.com</a>
	Suleymanov Resul	Teacher of the department “Economics and management of enterprises”	<a href="mailto:resa93@mail.ru">resa93@mail.ru</a>
	Ballyyev Gayypnazar	Teacher of the department “Road construction”	<a href="mailto:ballyyew2304@gmail.com">ballyyew2304@gmail.com</a>
Software	Garajayev Atageldi	Head of the department “Road construction”	<a href="mailto:ata8984@mail.ru">ata8984@mail.ru/</a> <a href="mailto:alyhan2019@hotmail.com">alyhan2019@hotmail.com</a>
	Bendov Maksatguly	Head of the department “Computer Technologies and systems”	<a href="mailto:bent@yandex.com">bent@yandex.com</a>



# Dissemination plan



## First year dissemination plan

1. Speeches of the project coordinator in the scientific council of the institute;
2. Speeches of the participants in the training and other meetings within the project in the scientific council of the institute;
3. Placement of the project logo on different avenues of the institute;
4. A survey among students and teachers in order to disseminate information about the project at the institute.
5. Meetings with national and partner organizations and discussion of the project status;
6. Organization of trainings and seminars for students and teachers of the institute;
7. Work with the public;
8. Meetings with project participants among Turkmen partner universities.



# Schedule of dissemination events



No	Event Names	Date
1.	Speeches of the project coordinator in the scientific council of the institute	01.2019
2.	Speeches of the participants of the training and other meetings within the project in the scientific council of the institute	03.2019 09.2019
3.	Placement of the project logo on different avenues of the institute	05.2019
4.	A survey among students and teachers in order to disseminate information about the project at the institute	04.2019 10.2019
5.	Meetings with national and partner organizations and discussion of project status	09.2019
6.	Organization of trainings and seminars for students and teachers of the institute	Periodically, 2-4 times a year
7.	Public Relations	Periodically
8.	Meetings with project participants among Turkmen partner universities	Periodically, once every two months



# Implemented dissemination activities



Open Day. Meetings of schoolchildren with employees of the institute were held: Y. Myradov talks about international projects.



# Implemented dissemination activities



Speeches of the participants of the training and other meetings within the project in the scientific council of the institutes.



**M. Bendow**





# Implemented dissemination activities



Communication of project participants from Turkmen partner universities





# Implemented dissemination activities



TÜRKMEN DÖWLET BINAGÄRLIK-GURLUŞYK INSTITUTY



TÜRKMEN DÖWLET BINAGÄRLIK-GURLUŞYK INSTITUTY

## HALKARA HYZMATDAŞLYK

BERKARAR DÖWLETIMIZIŇ BAGTYÝARLYK DÖWRÜNDE HORMATLY PREZIDENTIMIZIŇ TAÝSYZ TAGALLALARY BILEN ÝURDUMYZDA MILLI BILIM ULGAMY TÄZE ÖSÜŞLERE EYE BOLÝAR, NETIJELI HALKARA HYZMATDAŞLYGY PUGTALANDYRYLÝAR. ULGAMYŇ IŞINI DÖWREBAP DEREJEDE GURAMAK, OŇA INNOWASION TEHNOLOGIÝALARY ORNAŞDYRMAK, ÝAŞLARA BERILÝÄN BILIMIŇ HILINI ÝOKARLANDYRMAK, BU BABATA MILLI ÄYRATNYLYKLARY GOZ ÖNÜNDE TUTMAK BILEN, DÜNYÄ TEJRIBESINDEN UGUR ALMAK, SANLY BILIM ULGAMYNA GEÇMEK BOYUNÇA GIŇ MÖCBERLI IŞLER ALNYP BARYLÝAR.

TÜRKMEN DÖWLET BINAGÄRLIK-GURLUŞYK INSTITUTY YLYM-BILIM ULGAMYNDÄ DAŞARY ÝÜRTLÄRYŇ ABRAYLY ÝOKARY OKUW MEKDEPLERI WE GURAMALARY BILEN HALKARA HYZMATDAŞLYGY BERKIDÝÄR:

- BELORUSSIYA DÖWLETINIŇ BELARUS MILLI TEHNIKI UNIWERSITETI;
- GERMANIYA FEDARATIW RESPUBLIKASYNYN BERLIN AMALY YLYMLAR BEUTH UNIWERSITETI;
- RUSSIYA FEDERASIYASYNYN D. I. MENDELEYEW ADYNDAKY HIMIYA-TEHNOLOGIYA UNIWERSITETI;
- RUMYNIYA DÖWLETINIŇ BUHARESTIŇ RAYAT GURLUŞYGY TEHNIKI UNIWERSITETI;
- HINDISTAN RESPUBLIKASYNYN HÖKÖMETI;
- SINGAPURYN MILLI UNIWERSITETI;
- YEWROPA BILELEŞIGINIŇ ERASMUS+ MAKSATNAMASY;
- ITALIYA DÖWLETINIŇ MILANYŇ TEHNIKI UNIWERSITETI;
- HYTAÝ HALK RESPUBLIKASYNYN ŞANHAÝ TONGJI UNIWERSITETI.



# Placement of the project logo on different avenues of the institute



# Questionnaire for students



## Student Application Form



Course (group): 1-5 Specialty: \_\_\_\_\_ Date: \_\_\_\_\_



No/	Questions	Answer
1.	Do you have a concept about the CRENG project?	
2.	Have you heard about the project "Crisis and Risk Engineering for Transport Services" If so, from whom or where did you find information about the project? a) From the Internet b) Orally c) Other ways (indicate which) d) From teachers	
3.	Are you interested in participating in the CRENG project? a. Generally uninteresting b. A little bit interested c. Interested in d) Somehow did not think about it	
4.	Logistics is usually understood as: a) Logically sound actions by senior management personnel b) Management of material, information and financial flows c) Logically ordered functions that make up the control algorithm, material, information, financial and service flows d) The art of managing freight	b
5.	How many groups are logistic systems divided into? a) 1; b) 2; c) 3; d) 4.	b



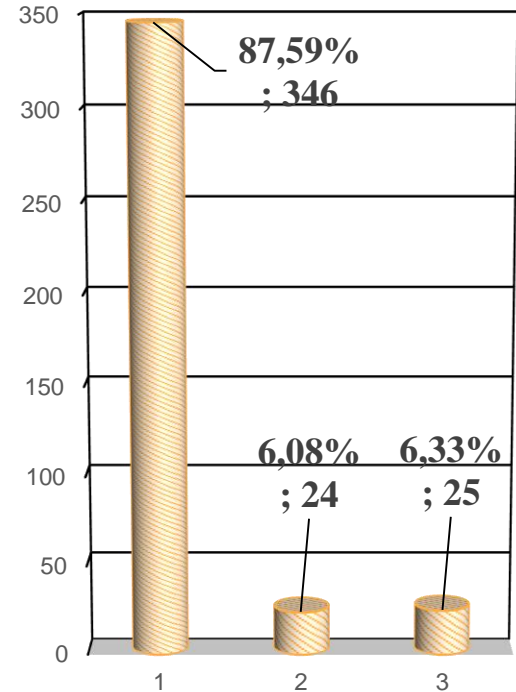


# Students survey results



This questionnaire is aimed at identifying students with existing knowledge about the project, as well as about logistics, transport services, risks and crises. The implementation of this principle helps to create a system of interaction between the university and students, to determine their needs and requirements, as well as the degree of satisfaction of the services received.

A total of 395 students of the Faculty of Economics and Management were tested. As the survey results show, a significant part of students (346 or 87.59%) say that they have ideas about international projects, that they are interested in participating in international projects. A certain part of the respondents answered that they were not interested in this project and did not see any prospects for themselves in it. These are 24 or 6.08% of respondents. The remaining 25 or 6.33% of students think that now they think about participating in the project, but in the long run they may be interested.



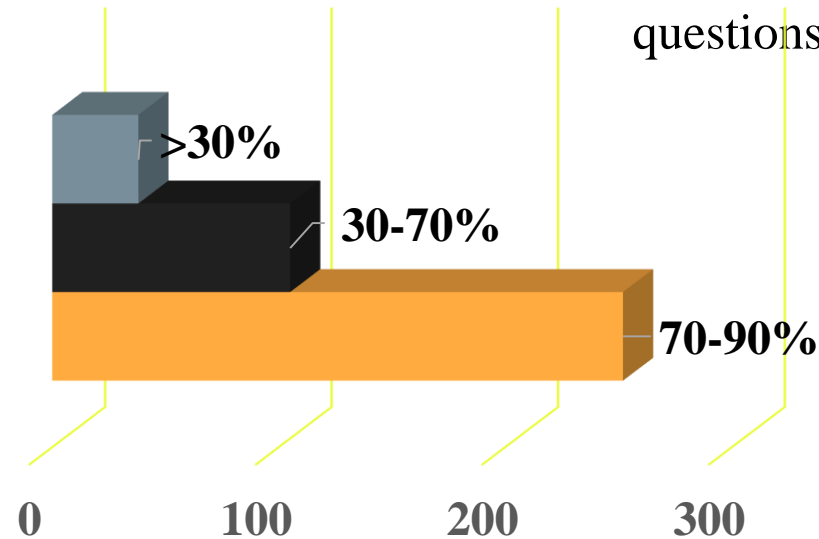


# Students survey results



Based on the questionnaire about the students' concept of the terms logistics, transport services, crisis and risk, it can be concluded that most of the students surveyed have ideas about these terms. Below are the results (only questions with answer options were considered):

- 252 or 63.8% of the students surveyed had the result of correct answers from 70 to 90%;
- 105 or 26.58% of the students surveyed had the result of correct answers from 30 to 70%;
- 38 or 9.62% of the students surveyed had the result of correct answers of 30% or less.





# Questionnaire for teachers



Faculty \_\_\_\_\_ Department \_\_\_\_\_ Date \_\_\_\_\_

No	Question	Answer
1.	Have you heard about the CRENG project? 1. Yes, I heard 2. No, I have not heard 3. I am interested in it 4. <u>I'm</u> not interested 5. I have already participated in a similar project	
2.	<u>Do you want to know what he is doing and what tasks this project covers?</u> 1. Yes 2. No 3. <u>I'm</u> not interested 4. I definitely want to know and I want to participate	
3.	Would you like to take part in the CRENG project to exchange experience with teachers of higher educational institutions of the participating countries? 1. Yes 2. No 3. I have already participated 4. I would like to participate 5. Be sure to take part in the future	
4.	Share your opinion on the role of international projects in the field of science and education.	



# The results of a survey of teachers



In total, the survey involved all the staff of the Faculty of Economics and Management, that is, 61 teachers, of which the bulk (21 people) are teachers of the Department of Economics and Management.

This questionnaire is aimed at identifying teachers with existing knowledge about the project, at receiving data about the teachers' desires to participate in this project.

Among the main factors that are able to positively affect the quality of education at the institute are the introduction of active and interactive teaching methods and informatization, a fairly deep assimilation of the basics of knowledge, the use of modern equipment, since it helps teachers in organizing the educational process. It will be much easier to conduct laboratory classes in an automated form, since the human factor is excluded when taking reports, all measurement results are displayed on the screen and can be easily imported to computer programs for further processing.



## Questionnaire for students



As the results of the questionnaire showed, to the question: Would you like to take part in the CRENG project for the exchange of experience with teachers of higher educational institutions of the participating countries? - a significant part of the teachers (74%) say that it is necessary to participate, and only 21% of the teachers expressed a desire to participate in such projects only in the future. And only 5% of the teachers surveyed decided not to participate in this kind of project now, not in the future. Thus, most teachers are convinced that project training contributes to the development of professionally significant qualities.

As the survey shows, a significant part of teachers (88%) would like to share knowledge with teachers of higher educational institutions of other countries regarding information systems to ensure effective management of transport services.



# Quality Assurance Plan



In order to obtain reliable data on the implementation of the project, quality control is envisaged with the help of specialists from educational organizations and we engage third-party experts with the help of quality control who intends to determine the following indicators:

- monitoring the compliance of the project with the time plan;
- Conformity control of the results of mastering basic educational programs;
- Identification of inconsistencies, deficiencies and violations;
- Preparation of proposals for the adoption of measures aimed at the prevention, suppression and elimination of violations;
- Monitoring of the implementation of the elimination of identified violations;
- Information support of educational control activities;
- Participation in activities related to issues related to the project.



# CRENG Service Office



Name, Surname	Occupation	Organization	Contact info (email)
Myradov Yolly	Dean of the Faculty of Economics and Management	TSACI	<a href="mailto:yol1605tm@mail.ru">yol1605tm@mail.ru</a>
Atageldi Garajayev	Head of the department "Road construction"	TSACI	<a href="mailto:ata8984@mail.ru">ata8984@mail.ru/</a> <a href="mailto:alyhan2019@hotmail.com">alyhan2019@hotmail.com</a>
Bendov Maksatguly	Head of the department "Computer Technologies and systems"	TSACI	<a href="mailto:bent@yandex.com">bent@yandex.com</a>
Suleymanov Resul	Teacher of the department "Economics and management of enterprises"	TSACI	<a href="mailto:resa93@mail.ru">resa93@mail.ru</a>



# Communication



For communication with the project participants among the Turkmen partner universities, direct contact is used, i.e. if necessary, solving problems associated with the project, by agreeing in advance, a working group from all higher education institutions is going to one of the universities.



And with the participants, partners from the European Union use the Internet, i.e. Email, skype or Imo messenger.





Thank you for you attention!



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

**BENDOV MAKSATGULY**  
**TSACI,**  
**Head of the department**  
**“Computer Technologies and systems”**