

Monitoring of the Erasmus+ project IUCLAND



KSTU named after
I.Razakov

prepared by T. Sartov



КЫРГЫЗ МАМЛЕКЕТТИК
ТЕХНИКАЛЫК УНИВЕРСИТЕТИ



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



Project n° 561841-EPP4-2015-1-IT-EPPKA2-CBHE-JP
(2015 - 3471 /001 - 001)



Project Description

- IUCLAND – *International University Cooperation on Land Protection in European-Asiatic Countries*, is an educational project funded by the Erasmus+ Programme under the Key Action 2 on “Cooperation for innovation and the exchange of good practices”.
- The aim of IUCLAND is to foster Universities' international cooperation among partner institutions through the implementation of training programmes (in the form of summer schools and workshops) dedicated to the topic of Land Degradation.

In particular, along its three years implementation period, the IUCLAND project's consortium pursues the following goals:

1. to substantially increase the quantity and quality of the international education in **Land Degradation curricula** in EU and Asiatic Countries,
2. to provide MSc and PhD students critical thinking skills in the arena of **Soil Monitoring and Soil Protection**, and
3. to build and improve mutually beneficial and **collaborative relationships** among all the partner universities in order to facilitate research, higher education, and outreach in the





Project participants

P#	Organization
P1	University Molise (UNIMOL), Italy, Grandholder
P2	Slovak University of Agriculture in Nitra, SUA
P3	University of Zagreb Faculty of Agriculture (FAZ), Croatia
P4	Fondazione per La Ricerca sulla Migrazione e Integrazione delle Tecnologie FORMIT, Italy
P5	Huazhong Agricultural University (HZAU), China
P6	Institute of Soil Science, Chinese Academy of Science, ISSAS
P7	Fujian Normal University (FJNU), China
P8	Kyrgyz State Technical University n. a. I. Razzakov (KSTU), Kyrgyzstan
P9	Osh Technological University n. a. the academician M. M. Adyshev, Kyrgyzstan
P10	Serikbaev East-Kazakhstan State Technical University (EKSTU)
P11	STUDIOCIULIANO srl STG
P12	M. Auezov South Kazakhstan State University (SKSU)





Project duration

15.11.2015 no 14.11.2018

Project budget

954 514 euros

KSTU budget

70 879 euros





KSTU budget items

1. Staff – 8 049 €
2. Travel & cost of stay – 37 830 €
3. Equipment – 15 000 €
4. Subcontracting – 10 000 €





KSTU project team

- 1. Sartov T. – coordinator**
- 2. Bekbolotova A. - professor**
- 3. Kenjahimov K. - professor**
- 4. Toktoraliev E. – professor**
- 5. Karimova G. - assistant**
- 6. Samanchin B. – technician**
- 7. Attokurov D. - interpreter**
- 8. Risaliev K. - accountant**





KSTU participation in the meetings of the Project Steering Committee

1. The first meeting of the project Steering Committee was in June 2016 in the city of Nitra (Slovakia). This meeting was attended by the project coordinator Sartov T.E., Professor Bekbolotova A.K., Associate Professor Toktoraliev E.





KSTU participation in the meetings of the Project Steering Committee

The agenda of the first meeting of the Steering Committee held in Nitra, Slovakia
June 14th- 15th, 2016

1. WP1 Preparation
2. WP2 Development
3. WP3 Quality Plan
4. WP4 Dissemination
5. WP5 Project management
6. Baseline study presentation and discussions
7. Presentation of the teaching material based on the Baseline study
8. Binding draft programmes of summer schools and key study materials
9. Common design of the degree or certificate and CFU courses of the summer schools
10. Finalization of the accreditation processes
11. Organization of workshops and infodays:
 - a. Time schedules of organization
 - b. Titles of workshops
 - c. Short annotation
 - d. Number of participants
 - e. Target groups and Stakeholders
12. Publication of monographs, textbooks, review, Editorial Committee
13. Next project steps and overall discussion





KSTU participation in the meetings of the Project Steering Committee

2. The second meeting of the project Steering Committee took place in May 2017 in Ust-Kamenogorsk (Kazakhstan), in which the project coordinator Sartov T.E., Professor Kenzheakhimov K.K. took part.





KSTU participation in the meetings of the Project Steering Committee

The agenda of the second meeting of Steering Committee held in Ust-Kamenogorsk, Kazakhstan May 10th- 12th, 2016

1. Intermediate progress coordination and reporting activity.
2. WPs report activities of the WP leaders: WP1 Preparation (SUA); WP2 Development (UFZA); WP3 Quality Plan (FORMIT); WP4 Dissemination (FJNU); WP5 Project management (UNIMOL).
3. Administrative and financial report activity (UNIMOL).
4. Possible corrections of the activities workplan.
5. Quality control management (FORMIT).
6. EACEA report monitoring in Kirghizstan and Kazakhstan.
7. EACEA cluster meeting in Beijing, China .
8. Deliverables situation of the project: infodays and workshops,
9. Summer Schools, teaching material, Higher Education credits assessment, agreements among universities.





Participation of students and teachers of KSTU in summer schools.

1. The first summer school of the IUCLAND project was held from 5-10 June 2017 in Campobasso (Italy). The work of the school was attended by Sartov T.E., postgraduate students, students - Ayazbekova Zh., Attokurov B. Students successfully passed the school and received the appropriate certificates and transcripts.





Participation of students and teachers of KSTU in summer schools.

2. The second summer school of the IUCLAND project was held from 26 June -1 July 2017 in Nitra (Slovakia). The work of the school was attended by Samanchin B.T., Toktoraliev E., postgraduate students, students – Isabekova V., Alieva D. Students successfully passed the school and received the appropriate certificates and transcripts.





Infodays at KSTU

1. During the year, information days were spent on acquaintance with the project, on familiarization with the program of the seminar and the future summer school and on the programs of summer schools. Also, students were acquainted with the requirements for participation in summer schools.
2. In the information days 18 master students and 4 teachers from other universities and organizations took part.





Infodays at KSTU





Infodays at KSTU

Participants on Infodays of Specialists from other University

1. Tenirberdiev Nurbek – PhD of Geography science (associate prof. Kyrgyz State National University named after J.Balasagun)
2. Talypov Kubatbek - Head of the laboratory of Digital Earth, the national Academy of Sciences of Kyrgyz Republic, Institute of Physical and Technical problems and material science (e-mail: tkk55@mail.ru) phone Number:+996555920182
3. Yrzakhanov Talgarbek – PhD of agriculture science (associate prof. Kyrgyz State agriculture University named after Skryabin)
4. Solpueva Damira - PhD of Geography science (associate prof. Kyrgyz State University named after Arabaev) (e-mail: solpueva73@mail.ru) phone Number:+996708775268





Infodays at KSTU

List of Students-patients on Info days

1. Zayko Nadejda
2. Aliyeva Daria
3. Akbekov Atay
4. Ayazbekova Jyldyz
5. Abdumutalipov D.
6. Amanbaeva Aynura
7. Mansurov Duyshonbek
8. Gadjibaeva Begimai
9. Talantbek kizy Jildyz
10. Mamaturaimov Duyshonbek
11. Tadjibaev Begimay
12. Ermekbaeva Djumakan
13. Mambetkulova Aynura
14. Tursunkulova Ayjamal
15. Shermatova Kasiet
16. Makesh Uulu Nurgazy
17. Anarbekov Tilek
18. Chalov Meder





Webinar conducted by KSTU at 20 April 2017

WORKSHOP KSTU

Soil Degradation: Erosion, Salinization, and Waterlogging ground water
in Kyrgyzstan

PROGRAM

I 3.00 pm I Tashtanbay Sartov Greeting, Introduction on the Participants and the topic of the workshop

I 3.10 pm I Aigul Bekbolotova Lecture "Land degradation in Kyrgyzstan"

I 3.25 pm I Kadyrbek Kenjahimov Lecture "The process of alkalinity and its influence on the ecological condition of irrigated soils in conditions of Kyrgyzstan"

I 3.45 pm I Biymyrza Toktoraliev Lecture "Influence of the groundwater regime in the ecological status of hydromorphic soils of the Chui valley and the ways of their regulation"

I 4.00 pm I Erkin Toktoraliev Lecture "Physical assessment of land degradation in Kyrgyzstan "

I 4.20 pm I Gulmira Karimova Lecture "Investigating of Land Degradation using Remote Sensing data and GIS techniques"

I 4.40 pm I Tashtanbay Sartov Question and debate

I 5.00 pm I Evaluation of the workshop





Webinar conducted by KSTU at 20 April 2017

Meeting Number: 233 470 893 Date: giovedì 20 aprile 2017 Time: 10:50, Local Time (GMT +01:00)

Land / soil erosion

WORKSHOP KSTU

Soil Degradation: Erosion, Salinization, and Waterlogging ground water in Kyrgyzstan

PROGRAM

- 13.00 pm | Tashtanbay Saritov - Greeting, introduction on the Participants and the topic of the workshop
- 13.10 pm | Aigul Bekbolotova - Lecture: "Land degradation in Kyrgyzstan"
- 13.25 pm | Kadyrbek Kenipimov - Lecture: "The process of salinity and its influence on the ecological condition of irrigated soils in conditions of Kyrgyzstan"
- 13.45 pm | Blymyrza Toktoraliev - Lecture: "Influence of the ground water regime on the technological status of vegetation in the Chui valley and the ways of their regulation"
- 14.00 pm | Eldin Toktoraliev - Lecture: "Physical assessment of land degradation in Kyrgyzstan"
- 14.20 pm | Gulnira Kaitimova - Lecture: "Investigating of Land Degradation using Remote Sensing data and GIS techniques"
- 14.40 pm | Tashtanbay Saritov - Question and debate
- 15.00 pm | Evaluation of the workshop

20 April 2017 03.00 pm
 Forum: 233 470 893 / Meeting: 233 470 893 / Group: 233 470 893
www.kstuu.kg

In order to participate to the workshop, his necessary to explore the soil condition and a field and mail it before more than one day to send the results to the following mail address: aleksey@iuc-land.org / aleksey@iuc-land.org

Video

Participants

Name	Joining time / Leaving time
Ina Melišková	10:50 / 12:43
KSTU im. I. Razzakov	10:50 / 12:41
Kamila Moravcikova	10:50 / 12:43
Maja Romc	10:50 / 12:43

Chat

good morning
From Cristina dAlessandro to Tutti (10:55:26 AM):
 we wait five minutes prior to start, ok?
From Carpenito to Tutti (10:56:02 AM):
 ok

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Activity	Time
page 1	00:05:15
стр. 1	00:15:08
Share Document: №1. Bekbolo...	00:16:22





Webinar conducted by KSTU at 20 April 2017

Workshop on “Soil Degradation: Erosion, Salinization and Waterlogging
ground water in Kyrgyzstan”

Summary of lectures

Land degradation in Kyrgyzstan

Aigul Bekbolotova, KSTU named after I. Razzakov

Describes the physical characteristics of the territory:

Kyrgyzstan is located in the North–East of Central Asia, occupying most of the Tien-Shan and Northern chains of Pamir-Alai. At three sides has borders: from the North, West and South - Kazakhstan, Uzbekistan, Tajikistan, and East and South – East - with China. The population of the Republic in 2016 is 6 million people. Kyrgyzstan – a country of high mountains, the average altitude of its territory is 2750 m and the highest is 7439 m. More than 94 % of the Republic lies above 1000 m above sea level. In intermountain basins and valleys located in Talas, Chui, Issyk-Kul, Naryn, Alai, etc. regions at altitudes from 500 to 3800 m.

The climate of Kyrgyzstan is characterized by continentality, aridity, sunshine duration by altitudinal zones and large spatial differences.

The territory of Kyrgyzstan is highly branched hydrographic network. In seven major river basins there are more than 28 thousand rivers and streams and more than 3000 lakes which constitute 3.4 % of the territory.

On the territory of the Republic there are deserts, steppes, meadows, forests, bushes, swamps, mountain tundra and other vegetation types.

The characteristic of land use on Kyrgyzstan, where the main natural resources are land and water which constitute the basis of environmental





Webinar conducted by KSTU at 20 April 2017



WORKSHOPS ASSESSMENT



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

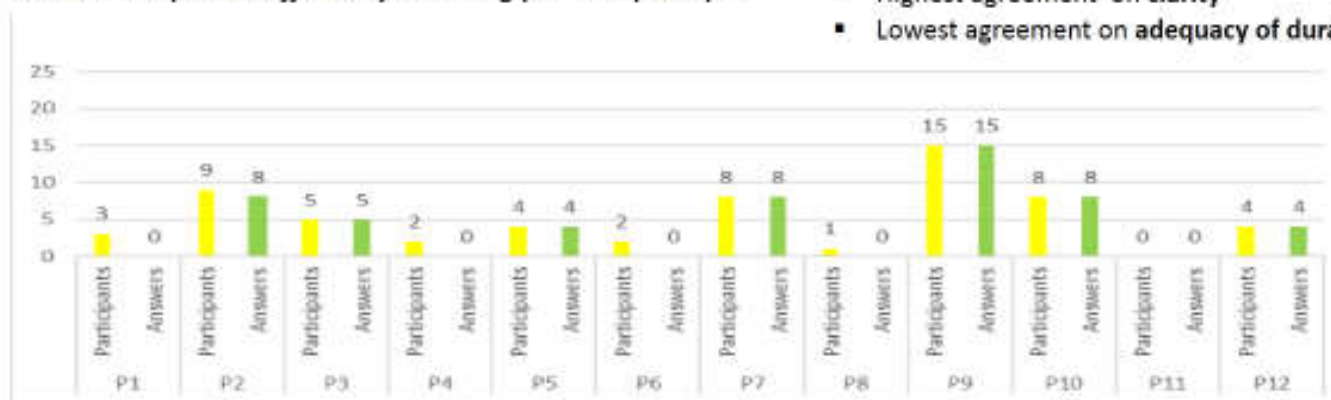
4th – Kyrgyz State Technical University – 20th April 2017

Basic indicators for workshop evaluation

- ⇒ Number of connected persons 27
- ⇒ Number of persons filling in questionnaire 52
- ⇒ Number of persons *effectively attending* (selected public) 62

Statistics

- Overall average of the workshop 4,50
- Score range from 2 to 5
- Highest agreement on clarity
- Lowest agreement on adequacy of duration



Source: Data elaborated by FORMIT





KSTU Summer school

1. Summer school management

Summer School Coordinators:

Tashtanbay Sartov (KSTU named after I. Razzakov)

Bakytbek Shamshiev (OshTU)

Board of Directors:

Dzhamanbaev Murataly – rector of KSTU

Abidov Abdykadyr – rector of OshTU





KSTU Summer school

2. Summer school program

Monday 10.07.2017

Time	Theme	The used materials
9.00-9.30	Summer school participants registration	
Day Session Moderator Prof. Aigul Bekbolotova		
9.30 - 10.00	Opening of Summer School Welcome speech from Rector of Kyrgyz State Technical University (KSTU) named after I.Razzakov Muratally Dj. Djamanbaev Welcome speech from IUCLAND Project Coordinator Cladio Colombo Welcome speech from local coordinators prof. Tashtanbay Sartov and from Osh Technological University prof. Bakyt Shamshiev	
10.00-10.45	Land Degradation in Kyrgyz Republic	Presentation by Professor Aigul Bekbolotova KSTU
10.45-11.15	Coffee-Break	
11.15-12.00	Forest Resources in Kyrgyz Republic, Modern Condition and Degradation Issues	Presentation by Bakyt Shamshiev OshTU
12.00-13.30	Lunch	
13.30-14.30	Rational Using of Land Resources and Increasing of agriculture activities Profitability in Kyrgyz Republic	Presentation by Professor Aibek Attokurov OshTU
14.30-15.00	Coffee-Break	
15.00-15.45	Waste Management in Kyrgyzstan in Land Resources Degradation Problems solving	Presentation by Professor





KSTU Summer school

2. Summer school program

Tuesday 11.07.2017

Day Session	Moderator prof. Bakyt Shamshiev	
9.00 - 9.45	Guest Lecturer (Italy)	Presentation
9.45 - 10.45	Pastures Degradation Issues in Mountain Area in Kyrgyzstan and ways of productivity increasing	Presentation by Professor Aibek Attokurov OshTU
10.45-11.15	Coffee-Break	
11.15-12.00	Landscaping Assessment of Land Degradation in Kyrgyzstan	Erkin Toktoraliev KSTU
12.00-13.30	Lunch	
13.30-14.00	Guest Lecturer (Italy)	Giuseppe Giuliano
14.00-15.30	Practical Session Application of Remote Sensing Data Availability and data sources. Visual Interpretation	Gulmira Karimova KSTU
15.30-16.00	Coffee-Break	
16.00-17.00	Cont. Remote Sensing Data classification. Accuracy Assessment.	Gulmira Karimova KSTU





KSTU Summer school

2. Summer school program

Wednesday 12.07.2017

Day Session Moderator Prof. Aigul Bekbolotova

9.00 - 9.45	Guest Lecturer (China)	
9.45-10.30	Guest Lecturer (Republic of Kazakhstan)	
10.30-11.00	Coffee-Break	
11.00-12.00	The Impact of Natural and Human processes on the Condition of Land Resources and Land Degradation Problems	Prof. Bakyt Shamshiev, OshTU
12.00-13.30	Lunch	
13.30-14.30	Influence of application of pesticides on soil fertility in the south of Kyrgyzstan	Z. Teshebaeva OshTU
14.30-15.00	Coffee-Break	
15.00-15.45	Entomopathogenic Biological Agents in Plant Protection	Z. Teshebaeva OshTU
15.45-16.30	Land Degradation and Its relation with Biodiversity Condition	Prof. Bakyt Shamshiev, OshTU
16.30-17.00	Discussion	





KSTU Summer school

2. Summer school program

Thursday 13.07.2017

Day Session Moderator prof. Bakyt Shamshiev

9.00 - 10.00	The process of solonchization and its impact on the ecology of soils irrigated condition in Kyrgyzstan	K. Kenzhahimov KSTU
10.00-10.45	Monitoring of Land Degradation in Kyrgyzstan using GIS	B. Kochkonbaeva, OshTU
10.45-11.15	Coffee-Break	
11.15-12.00	Guest Lecturer (Slovakia)	
12.00-13.30	Lunch	
13.30-14.30	Legislative base of Kyrgyzstan in the field of land resources and biodiversity	B. Kadyrberdieva OshTU
14.30-15.00	Coffee-Break	
15.00-16.00	Kyrgyzstan legislative framework in the field of environmental protection	B. Kadyrberdieva OshTU
16.00-17.00	Discussion	





KSTU Summer school

2. Summer school program

Friday 14.07.2017		
9.00-17.00	Field Work Soil Ecological Condition	KSTU
12.00-13.30	Lunch	
13.30-17.00	Field Work (cont.) Soil Ecological Condition	KSTU
Saturday 15.07.2017		
9.00-12.00	Field Work	KSTU
12.00-13.30	Lunch	
13.30-14.30	Final Test. Questionnaires.	KSTU
14.30-14.45	Coffee-Break	
14.45-17.00	Hand over of certificates. Summarizing.	





KSTU Summer school

3. List of summer school participant

ISTITUTION	NAME SURNAME	ROLE
P1 UNIMOL	Claudio Colombo	Coordinator
Italy	SalimeiElisabetta Maria	Professor
	Torino Valentina	Master student
	Fatica Antonella	Master student
	Giuseppe Giuliano	Stakeholder
P2 SUA	Lubos Jurik	teacher
Slovakia	Vladimír Kišš	PhD. student
	Marek Polak	Master student
	Ratislav Hruska	Master student
P3 FAZ	Marina Bubalo Kovacic	teacher
Croatia	Anja Tot	Master student
	Vedran Krevh	Master student
	Katarina Kurtovic	Master student
P5 HZAU	Huang Cuili	Teacher
China	Zhang Cuili	Master student
	Ji Lingling	Master student
	Qiu Lifeng	Master student
P6 ISSAS	XIN SONG	Teacher
China	Ren Jiagiang	Master student
	Ding Da	Master student
	Wel Changlong	Master student
P7 FJNU	XIAOMEI LI	Teacher
China	Jinming Sha	Master student





KSTU Summer school

3. List of summer school participant

P12 SKSU	Kedelbaev Bakytjan	Teacher
Kazakhstan	Lahanova Culzada	Teacher
	Abzhapparova Aigerim	Master student
	Assanova Diana	Master student
	Alibai Ainur	Master student
P10 EKSTU	Amirkulova Azhar	Master student
Kazakhstan	Kutubayeva Aislu	Master student
	Serikbaev Yelaman	Master student
	Kapezov Sayat	Master student
P8 KSTU	Bekbolotova Aigul	Teacher
Kyrgyzstan	Sartov Tashtanbay	Teacher
	Toktoralie Erkinbek	Teacher
	Kanjahimov Kadyrbek	Teacher
	Karimova Gulmira	Teacher
	Toktokojoeva Tamara	Teacher
	Darikha Aliyeva	Master student
	Bekbolot Attokurov	Master student
	Aiazbekova Jyldyz	Master student
	Edilov Jusupbek	Master student
	Akzholov Baiym	Master student
P9 OshTU	Bakytbek Shamshiev	Teacher
Kyrgyzstan	Aibek Attokurov	Teacher
	Kadyrberdieva Busalima	Teacher
	Kochkonbaeva Buazhar	Teacher
	Djaparova Shakarkan	Teacher
	Sherbaev Manasbek	Master student
	Egemberdieva Aksana	Master student





KSTU Summer school

4. Topics & List of lectures from Kyrgyzstan

- Land degradation in Kyrgyzstan (Professor A. Bekbolotova KSTU)
- The process of solonetization and its impact on the ecology of irrigated soils in Kyrgyzstan (K. Kenjahimov KSTU)
- Landscape assessment of land degradation (E. Toktoraliev KSTU)
- Forest resources of Kyrgyzstan and their modern state and degradation problems (Professor B. Shamshiev OshTU)
- The impact of natural and technogenic processes on the state of land resources and land degradation problems (Professor B. Shamshiev OshTU)
- Land degradation and its relation to the state of biodiversity (B. Shamshiev OshTU)
- Rational use of land resources and increase of profitability of agricultural activities in Kyrgyzstan (A. Attokurov OshTU)
- Information on the development of agriculture in Kyrgyzstan (A. Attokurov)
- Waste management in Kyrgyzstan in solving land degradation problems (A. Attokurov OshTU)
- The legislative base of Kyrgyzstan on preserving of land resources and environmental protection (B. Kadyrberdieva OshTU)
- Effect of pesticide application on soils fertility of the south Kyrgyzstan (Z. Teshebaeva OshTU)
- Entomopathogenic biological preparations in the protection of plants (Z. Teshebaeva OshTU)
- Monitoring of land degradation and biodiversity issues (B. Kochkonbaeva OshTU)





KSTU Summer school

4. Topics & List of lectures from Kyrgyzstan

«International University Collaborations in Euro - Asian Countries Land Degradation»
Erasmus+
LAND DEGRADATION IN KYRGYZ
Professor Aigul I

The impact of natural and technogenic processes on the state of land resources and land degradation issues

Doctor of Agriculture Sc.,
Kyrgyz Technical University named after I. Razzakov

Kyrgyz State Technical University named after I. Razzakov

Investigating Land Degradation Remote Sensing data and C



Gulmira Karimova
Senior Lecturer

Summer school in Kyrgyzstan

Landscape assessment of land degradation

INTERNATIONAL SUMMER SCHOOL on LAND DEGRADATION IN KYRGYZ REPUBLIC BISHKEK, July 10-15, 2017

Cooperating on sustainable intensification of livestock productions

Elisabetta Salimei, DrAgr PhD
Associate Professor in Animal nutrition

Dipartimento Agricoltura, Ambiente e Alimenti,
Università degli Studi del Molise
July 11, 2017
salimei@unimol.it



International University Cooperation on Land Protection in European-Asiatic Countries

ERASMUS+
Project n° 561841-EPP-1-2015-1-IT-EPPKAL-CBHE-1P
(2015 - 3471 /001 - 001)



Land degradation and water management in agriculture in Croatia

Marina Bubalo Kovačić, Ph.D., postdoctoral researcher
e-mail: mbubalo@agr.hr
University of Zagreb Faculty of Agriculture



3rd International Summer School, July, 10th – 15th 2017
Bishkek, Kyrgyz Republic






KSTU Summer school

4. Collection of lectures at the summer school



INTERNATIONAL SUMMER SCHOOL

ON LAND DEGRADATION IN KYRGYZ REPUBLIC

www.iucland.eu

Kyrgyz State Technical University named after I.Razzakova
Osh Technological University named after M.Adysheva
Kyrgyz Republic, Bishkek
10-15 July 2017

INTERNATIONAL SUMMER SCHOOL

ON LAND DEGRADATION IN KYRGYZ REPUBLIC

[WWW.iucland.eu](http://www.iucland.eu)



Kyrgyz State Technical University named after
I.Razzakova

Osh Technological University named after M.Adysheva

Kyrgyz Republic, Bishkek

10-15 July 2017



IUCLAND-international University Cooperation on land Protection in European-Asiatic Countries, is an educational project funded by the Erasmus Programme under the Key Action 2 on "Cooperation for innovation and the exchange of good practices". The project implementation period is 3 Years from (1/10/2015 to 1/10/2018). For more information please visit www.iucland.eu



KSTU Summer school

5. Test sheet

*The knowledge of the masters is estimated by the results of testing:
Number of questions - 20 with three possible answers*



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

**INTERNATIONAL SUMMER SCHOOL ON
LAND DEGRATION IN KYRGYZ REPUBLIC**

Kyrgyz State Technical University named after
I. Razzakov
Osh Technological University, Bishkek, Kyrgyz Republic

From July 10-15, 2017

TEST SHEET (19)
95

Name:	Ping
Surname:	Lin
Institution:	Fujian Normal University
Date	15 July, 2017

Please, read the questions carefully and choose one answer for each question. Mark (underline or circle) the right answer:

- a ✓ **1. What the degradation does mean?**
a) deterioration in the soil structure and composition, characterized by a decrease in fertility and soil destoration, which contributes to pollution, water logging, salinization and other negative changes in the soil
b) deterioration of soil structure and composition under the influence of climate, vegetation, soil and other organisms
c) large destruction of forest plantations and protective forest belts, etc
- b - **2. What is the type of degradation in Kyrgyz Republic?**
a) erosion, Salinization, Water logging
b) irrigation
c) wind
- c - **3. Type of cations that included in soil absorption complex (SAC)?**
a) sum cations K^+ , Na^+ and N^+ in soil
b) sum cations Ca^{++} , Mg^{++} and S^{++} in soil
c) sum cations Ca^{++} , Mg^{++} , H^+ and Na^+ in soil
- a - **4. What is the solonetsous soil?**
a) the content of cations Ca^{++} in SAC more than 10%
b) the content of cations Mg^{++} in SAC more than 5%
c) the content of cations Na^{++} in SAC more than 5%





KSTU Summer school

6. Students successfully completed the summer school were awarded certificates and issued transcripts.





KSTU Summer school

MINISTRY OF EDUCATION AND SCIENCE OF KYRGYZ REPUBLIC
Kyrgyz State Technical University named after I.Razzakov
Institute of Mining and Mining Technologies named after Academician U. Asanaliev
Ecological and Economical Faculty

TRANSCRIPT

Name: FaticaAntonella
ID of Student: 001002
Date of Birth: 05.04.1992
Direction: Technosphere safety
General GPA: 3.4
Total registered credits: 4

Academic year 2016-17


Spring semester


Code of discipline	Discipline	Form of control	Amount of credits	Score	Alphabetic system	Traditional system
P8	Land degradation in Kyrgyzstan	Exam	4	95	A	excellent
Registered credits: 4				Consolidated GPA per semester: 3.4		

NOTE: 1 credit is 30 academic hours.

Grading scale

A (excellent) – outstanding achievements 93-100
B (very good) – above-average achievements 86-92
C (good) – average achievements 79-85
D (satisfactory) – acceptable achievements 72-78
E (sufficient) – achievements fulfil only the minimum criteria 64-71
FX (failed) – achievements do not fulfil even the minimum criteria 0-63
P (passed) – course is not assessed with a grade

Dean of Ecological and Economical Faculty
Erkinbek Toktoraliev 

Leading specialist of office registration
Azim Shambetov 





KSTU Summer school

7. Summer school assessment



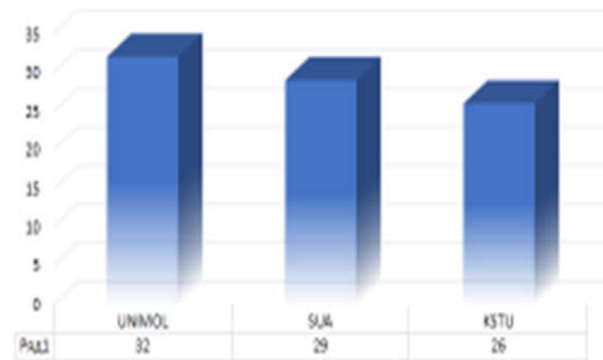
SUMMER SCHOOL ASSESSMENT



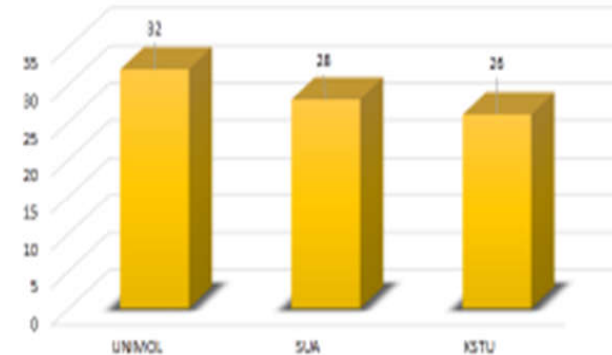
Co-funded by the
Erasmus+ Programme
of the European Union

External Evaluation – Students

PARTICIPANT STUDENTS



NUMBER STUDENTS FILLING IN QUESTIONNAIRES



Overall satisfaction of the summer school expressed by students

- UNIMOL 4,72
- SUA 4,66
- KSTU 4,77





KSTU Summer school

7. Summer school assessment



SUMMER SCHOOL ASSESSMENT



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

External Evaluation – Students

Average values - Didactic Part

Average Indicators/ Partners	UNIMOL	SUA	KSTU
Modules	4,61	4,67	4,61
Teachers	4,68	4,69	4,71
Field activity	4,92	4,17	4,77
Examination	-	4,67	4,83
Success rate of examination procedure	93%	100%	100%

*According to Quality Plan indicators above overcame threshold





KSTU Summer school

7. Summer school assessment



SUMMER SCHOOL ASSESSMENT

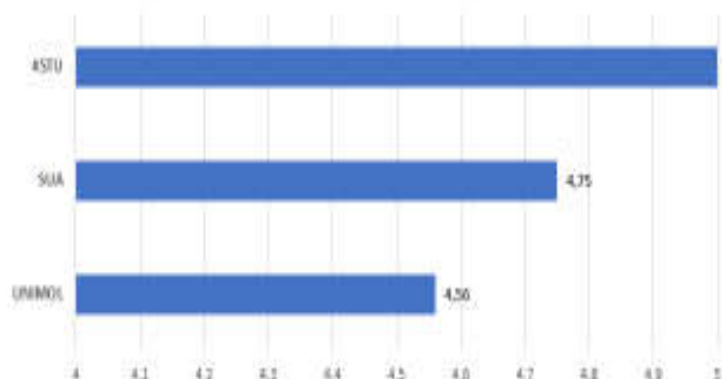


Co-funded by the
Erasmus+ Programme
of the European Union

Internal Evaluation – Teachers

General overview of the summer schools

Teachers filling in questionnaires



* Low number of teachers filling in questionnaires

Features assessed

- Clarity
- Coherence
- Adequacy of duration/contents
- Adequacy of material
- Transferability

KSTU* *Maximum score for all features*

UNIMOL* and SUA

- Highest score for *coherence*
- Lowest score for *adequacy of duration/contents*





KSTU Summer school

8. Summer school foto gallery





KSTU Summer school

8. Summer school foto gallery





On the subject of the project the teachers of the department published the following scientific works.

1. "The current state and prospects for the development of the mining industry" dedicated to the 80th anniversary of Academician U. Asanaliev. KSTU named after I. Razzakov, 2015 - Professors and researcher of the Department of Environmental Protection and Rational use of Natural Resources (Bekbolotova A., Kenjahimov K., Toktoraliev E., Isabekova V.).
2. "Mineral Resources, Training of Engineers and Problems of Subsoil Development in the Kyrgyz Republic" dedicated to the 80th anniversary of Professor Osmonbetov K., 2015. Professors and researcher of the Department of Environmental Protection and Rational use of Natural Resources (Bekbolotova A., Kenjahimov K., Toktoraliev E., Isabekova V.).
3. Participation in a two-day (eco-festival): "Bishkek green conversation: How to awaken the ecological consciousness and behavior of citizens" (April 24-25, 2015), held by the International Public Foundation "Initiative of Roza Otunbayeva" (Bekbolotova A., Toktokozhoeva T.)
4. Scientific and technical conference "Young scientists, graduate students and students", "Youth - the driving force of science" KSTU. I. Razzakov, 2016.
5. "International Scientific Conference on Information Technologies and Mathematical Modeling in Science, Engineering and Education in KSTU. I. Razzakov" dedicated to the 75th anniversary of academician Zhainakova A., 2016. (Toktoraliev B., Bekbolotova A., Kenjahimov K., Toktoraliev E., Isabekova V.
6. Conference dedicated to the day of science in Kyrgyz State University named after I. Arabaev, 2016 (Toktoraliev E.)
7. SCIENCE YESTERDAY, TODAY, TOMORROW-Association of Scientists "Siberian Academic Book" (Novosibirsk) Number: No. 11 (33). Pp. 71-79. Year: 2016 Bekbolotova A, Toktoraliev E, Kenzhakhimov K, Baktygulova A
8. Innovations in science. 2016. No. 7 (56). Pp. 81-89. – Novosibirsk (Toktoraliev E.)
9. Innovations in science. 2016. No. 9 (58). Pp. 51-61. – Novosibirsk (Toktoraliev E.)





Accreditation process ECTS conversion

Can be applied to all:

- programmes: classroom-based, work-based, distance learning
 - kinds of the status of students: full-time, part-time,
 - kinds of learning contexts: formal, non-formal and informal
-
- Credit transfer is the key to successful study mobility - is the process through which an institution certifies that learning outcomes achieved and assessed in another institution satisfy the requirements of one of the programmes they offer.





Accreditation process ECTS conversion

Information for ECTS recognition for extracullicular activity

direct teaching hours of summer school

number of hours that students should expect to spend studying for exam

the number of total attendance hours

Proposed value of ECTS credits

Period of the summer school from...to

Language

Aims/Scope of the summer school

learning outcomes

Evaluation of learning outcomes

Total number of participants



Table of credit graduation in the consortium

Interpretation	Excellent	Very Good	Good	Satisfactory	Marginal Fail*	Fail
Digital equivalent assessment	4	3,33	3	2	1	0
ECTS (EU)	A	B	C	D	E	F
Italy (UNIMOL)	30 - 30 + laude	29-27-28	24-25-26	21-22-23	18-19-20	0- 17
China (ISSAS HZAU)	90-100	80-89	70-79	65-69	61-64	0-60
Slovakia (SUA)	90-100	80-89	72-79	64-71	61-63	0-60
Kazakhstan (EKSTU SKSU)	94-100	93-89	70-79	65-69	61-64	0-60
Kyrgyzstan (KSTU)	87-100	80-86	74-79	68-73	61-67	0-60
Croatia (UZFA)	A	B	C	D	E	F





Accreditation process ECTS conversion



Higher Education
Learning Agreement form

LEARNING AGREEMENT FOR STUDIES

The Student

Last name (s)		First name (s)	
Date of birth		Nationality ¹	
Sex [M/F]		Academic year	
Study cycle ²		Subject area, Code ³	
Phone		E-mail	

The Sending Institution

Name		Department	
Erasmus code (if applicable)		Course Degree	
Address		Country	
Erasmus/Project coordinator		Erasmus/Project coordinator e-mail/ phone	

The Receiving Institution

Name	KSTU	Faculty	
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Equipment

To purchase equipment, a tender commission was established in the following composition:

Samanchin B.

Chomoeva B.

Rysalieva K.

Through the system of electronic trading a contest was held, which was won by the individual businessman Maksutov B.

The purchased equipment was installed in the auditorium 1/24 of Building No. 1 of the Mining Institute along Chui Street 215.





Equipment

№	Наименование	Кол-во, ед.	Цена за ед. евро	Сумма	Срок доставки
1	Персональный компьютер CPU LGA1150 Intel Core i5-4460 3.4GHz, 6MB Cache L3, HD Graphics 4600 Монитор 23" IPS AOC I2367F , 16:9 , 1920x1080 , 250 cd/m2 , 1000:1 , 50M:1 , 5ms , 178/178 , D-Sub , DVI DDR3 8192MB 1600MHz PC3-12800 Zeppelin Asus H81M-K, LGA1150,intel H81,2DDR3 PC12800,1PCI-E16X,2PCI-E1X,Sound8,GBLAN HDD 1TB, Toshiba, 7200rpm, 32MB Cache, SATAIII CPU cooler DEEPCOOL THETA-20 LGA1156/1155/1150/1151 100x25mm,2200rpm DVD±RW&CDRW Samsung SH-224GB ATX JUMP 3095-4JA Black/Silver with USB	6	665	3990	15 дней
2	Ультрабук ASUS Transformer Book Flip TP500LB x360 Intel Core i7-5500U (4M Cache, up to 3.00 GHz), 8GB DDR3 1600Mhz , 500GB+128GB SSD, USB 3.0, 15.6" FullHD (1920x1080) TOUCHSCREEN, NVidia Geforce GT 940M 2GB, WiFi, Bluetooth,WIN8.1 , Up to 7 hours battery life, WebCam,BLACK Aluminium, Eng-Rus	3	820	2460	15 дней
3	Ноутбук ACER ASPIRE E5-573G Intel Core i3-5005U (3M Cache, 2.00 GHz), 4GB DDR3, 500GB, Nvidia GeForce GT920 2GB video card, DVD Super Multi DL, 15.6" LED, WiFi, Cam, DOS,BLACK, Eng-Rus	2	430	860	15 дней
4	Видеопроектор Epson EB-X04 (3LCD, XGA 1024x768, 2800 lm, 15 000:1, 28dB, от 0.76m до 7.62m, USB, HDMI, Wi-Fi (opt), speaker 1Watt, 10000h, 2.4kg)	1	590	590	15 дней
5	Экран на треноге 96	1	250	250	15 дней
6	Сенсорная доска Интерактивная доска InterWrite DualBoard	1	950	950	15 дней
7	Лазерный принтер Canon i-SENSYS MF3010 Printer-copier-scanner,A4,18ppm,1200x600dpi, scanner 1200x600dpiUSB	1	170	170	15 дней
8	Принтер цветной Epson L362 (Printer-copier-scanner, A4, 33/15ppm (Black/Color), 69sec/photo, 64-255g/m2, 5760x1440dpi, 600x1200 scanner, USB) с заводской донорной системой	1	250	250	15 дней
9	Зеркальный цифровой фотоаппарат Canon EOS1200D 18-55 (18MPx, 5184x3456, 22.3x14.9 mm, 3.0" LCD, video 1920x1080, SDHC)	1	410	410	15 дней
10	Цифровая видеочамера Sony HDR-PJ240E Black (CCD 1/5.8", FullHD, 27xOZoom, Projector 640x360, 2.7" LCD, 9.2MPx Photo, microSD, HDMI, USB)	1	350	350	15 дней
11	Сумки для ноутбуков и ультрабуков	5	35	175	15 дней
12	Наушники с микрофоном Genius HS-M505X	6	10	60	15 дней
13	Web-камера Genius FaceCam 2000 USB	6	18	108	15 дней





Equipment

02/11/2016 16.31.15

Номер: 16102627097202

Наименование закупки: Приобретение оборудования в рамках проекта Erasmus+IUCLAND

Закупающая организация: Кыргызский Государственный технический университет имени И.Раззакова



Поставщик Лот	Дакиев Руслан Кадырбекович	Максатов Бактыбек Сабырбекович
L001-01 ОБОРУДОВАНИЕ в рамках проекта Erasmus+IUCLAND 14000.00	14 827,00	13 984,00

№	Наименование участника	Валюта тендерной заявки	Гарантийное обеспечение тендерной заявки		Справка об отсутствии задолженности по выплатам налог		Справка об отсутствии задолженности по выплатам в соцфонд	
			Размер	Форма	По состоянию на:	Задолженность	По состоянию на:	Задолженность
1	Максатов Бактыбек Сабырбекович	Кыргызский сом	10 600	Депозит	16/10/2016	УГНС по Первомайскому р-ну г. Бишкек - №03-4-12/897 Задолженность : Не имеется	16/10/2016	Первомайское районное управление социального фонда - №4826 Задолженность : Не имеется
2	Дакиев Руслан Кадырбекович	Кыргызский сом	17 650	Банковская гарантия	06/10/2016	УГНС КР - №02-32/5704 Задолженность : Не имеется	06/10/2016	Социальный фонд КР - №714-3 Задолженность : Не имеется

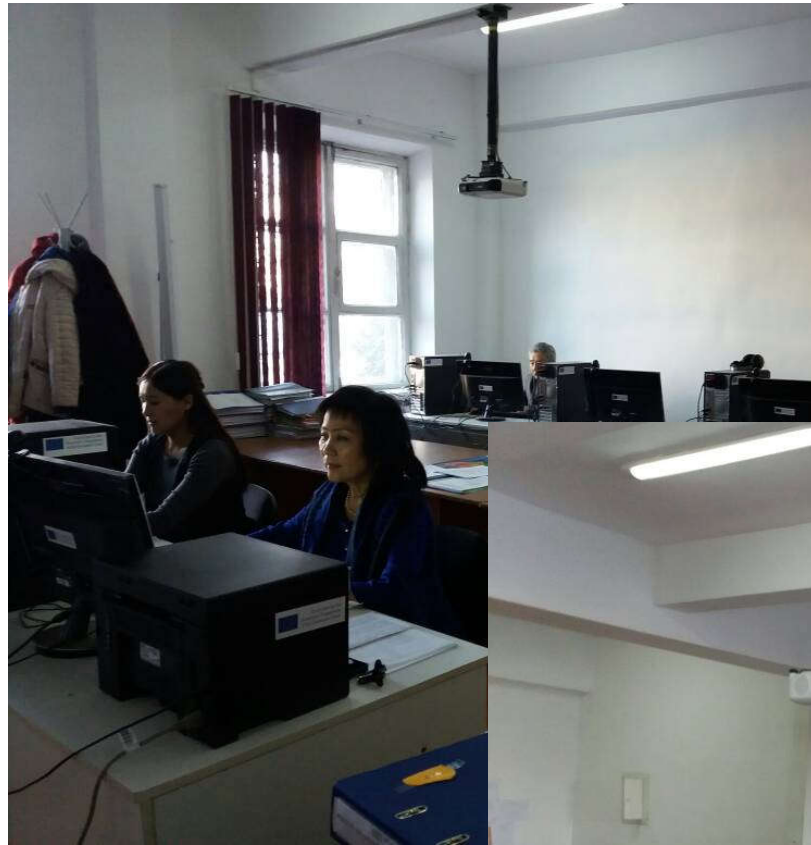
Конкурсная комиссия

- | | | | |
|---|-----------------------------------|--------------------------------|-------|
| 1 | Председатель конкурсной комиссии: | Саманчин Бекташ Тазабекович | _____ |
| 2 | Член конкурсной комиссии: | Рысалиева Кульжан Токто尼亚совна | _____ |
| 3 | Член конкурсной комиссии: | Чомоева Бакыта Камчыбековна | _____ |





Equipment





Financial report

Отчет по гранту № 2015-3471/001-001
за 2016-2017 год

	на 27,11,2017г
Отчет за 2016 год	
Всего поступило	35438,22
Командировка	3885
Банковские услуги	60,16
Оборудование	13984
расход	17929,16
Остаток	17509,06
Отчет за 2017 год	
Остаток	17509,06
Поступило за визу	89
Поступило	28351,6
	45949,66
З/Плата	2352,48
Соц. фонд	809,74
Подох. налог	278,08
Банковские расходы	118,05
Командировка	11548,61
Опложено за визы	103,24
Итого Расход	15210,2
Остаток 27.11.2017год	30739,46
Сводный за 2016-2017гг	
Поступило	63878,82
Командировка	15433,61
Банковские услуги	178,21
Оборудование	13984
З/Плата	2352,48
Соц. фонд	809,74
Подох. налог	278,08
Опложено за визы	103,24
Расходы	33139,36
Остаток	30739,46
Остаток в банке	30187,52





Thank you!

