



UNIVERSITÀ  
DEGLI STUDI  
DEL MOLISE



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Erasmus+ Programme  
of the European Union



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



**INFORMATION ABOUT IMPLEMENTED ACTIVITIES ON PROJECT :  
561841-EPP-1-2015-1-IT-EPPKA2-CBHE-JP ERASMUS+ IUCLAND-  
INTERNATIONAL UNIVERSITY COOPERATION ON LAND PROTECTION IN  
EUROPEAN-ASIATIC COUNTRIES**

**PROJECT COORDINATOR: PROFESSOR CLAUDIO COLOMBO -UNIVERSITA DEGLI STUDI DEL MOLISE (CAMPOBASSO, ITALY).**

**PROJECT DURATION: 36 MONTHES (2016-2018).**

**PROJECT COORDINATOR AT OSHTU: SHAMSHIEV BAKYTBEK – SCIENCE AND INNOVATION VICE RECTOR, PROFESSOR OF AGRICULTURE SCIENCES, PROFESSOR.**

**GRANT VOLUME: 954.514,00 EURO; OF FOR OSHTU-70000 EURO**

**PROJECT SITE: [HTTP://WWW.IUCLAND.EU](http://www.iucland.eu)**

**THE MAIN GOAL OF THE PROJECT IS TO PROMOTE INTERNATIONAL COOPERATION OF PARTNER UNIVERSITIES IN THE IMPLEMENTATION OF EDUCATIONAL ACTIVITIES (SUMMER SCHOOLS AND WORKSHOPS) ON LAND DEGRADATION, PROTECTION AND CONSERVATION OF LAND RESOURCES AND SUSTAINABLE DEVELOPMENT, AIMED AT THE MUTUAL DEVELOPMENT OF EDUCATIONAL, RESEARCH AND AWARENESS-RAISING POTENTIAL IN TERMS OF SUPPORTING SUSTAINABLE DEVELOPMENT AGRICULTURE IN VULNERABLE AREAS, CONTRIBUTING TO THE SUPPORT OF HUMAN WELL-BEING AND THE NATURAL ECOSYSTEM IN PARTNER COUNTRIES AH (CHINA, CENTRAL ASIA). THE PROJECT PROMOTES INTERNATIONAL COOPERATION AT THE REGIONAL AND INTERREGIONAL LEVEL THROUGH INTERACTION BETWEEN PARTNERS OF EUROPEAN COUNTRIES, EAST ASIAN COUNTRIES AND PARTNERS OF CENTRAL ASIA.**

**THE PROJECT CONSORTIUM CONSISTS OF TWELVE PARTNERS:**

**A) EUROPEAN INSTITUTIONS:**

**UNIMOL-UNIVERSITY OF MOLISE (ITALY),**

**FAZ - ZAGREB UNIVERSITY, FACULTY OF AGRICULTURE (CZECH REPUBLIC),**

**SUA-SLOVAK AGRICULTURAL UNIVERSITY (NITRA, SLOVAKIA)**

**B) UNIVERSITIES FROM ASIA:**

**HZAU-AGRICULTURAL UNIVERSITY (HUAZHONG, CHINA)**

**ISSAS-INSTITUTE OF SOIL SCIENCE OF THE CHINESE ACADEMY OF SCIENCES**

**FJNU-FUJIAN NORMAL UNIVERSITY**

**KSTU-KYRGYZ STATE TECHNICAL UNIVERSITY NAMED AFTER I.RAZZAKOV**

**OSHTU-OSH TECHNOLOGICAL UNIVERSITY NAMED AFTER ACADEMICIAN M.M. ADYSHEV**

**EKSTU-EAST KAZAKHSTAN STATE TECHNICAL UNIVERSITY**

**SKSU-SOUTH KAZAKHSTAN STATE UNIVERSITY. M. AUEZOV**

**C) CONSULTATION PARTNERS FROM ITALY:**

**FORMIT-FUND RESEARCH ON MIGRATION AND TECHNOLOGY INTEGRATION;**

**STG-STUDIO GIULIANO.**

**IN ADDITION TO THE MAIN GOAL, THE PROJECT HAS THE FOLLOWING OBJECTIVES:**

**INCREASE IN THE QUANTITY AND QUALITY OF INTERNATIONAL EDUCATION UNDER THE LAND DEGRADATION PROGRAM IN THE EU AND ASIA; PROVISION OF UNDERGRADUATES AND GRADUATE STUDENTS WITH THE SKILLS OF CRITICAL THINKING IN THE FIELD OF SOIL MONITORING AND PROTECTION; CONSTRUCTION AND DEVELOPMENT OF MUTUALLY BENEFICIAL RELATIONS, COOPERATION BETWEEN ALL PARTNER UNIVERSITIES IN RESEARCH, HIGHER EDUCATION AND PROMOTION IN THE FIELD OF RATIONAL USE OF NATURAL RESOURCES.**

1st stage of work. Preparation of primary documents for participation in the selection competition of the project.

2nd stage. Conclusion of the contract.

Registration of visas, presentations on OshTU and introduction of land degradation in Kyrgyzstan.

3rd stage . Travel coordinators in China Nanjing for the partnership agreement in the project.

4th stage. Financial report on the trip to China.

5th stage. On the basis of the coordination meeting in Nanjing, China, on 15-17 January 2016, on the project: 561841-EPP-1-2015-1-IT-EPPKA2-CBHE-JP ERASMUS + IUCLAND-International University Universities of Europe, Central Asia on land protection from degradation) the following composition was formed:

The Scientific Committee of the following employees of OshTU:

1. Shamshiev BN-administrator;
  2. Teshebaeva ZA-researcher;
  3. Kadyrberdiyeva B.- researcher with English language.
2. Working committee of 3 people:
1. Attokurov AT-administrator;
  2. Amatov Y.K.-responsible for accreditation;
  3. Atabekov A.K - responsible for the summer school.

6th stage. Preparation the materials of the baseline study on land degradation. Preparation the presentations of the OshTU's workshop.

7th stage. The second trip to Nitra, (Slovakia).

8th stage. Financial report on the trip.

9th stage. Confirmation of memorandum for mobility of teachers and students participating in the project.

10th stage. The first web meeting.

11th stage. The second web meeting. Preliminary presentation of the plan on the workshop at OshTU.

12th stage. The first webinar. Participation of our university in the seminar.

13th stage. The second webinar. Participation of our university in the workshop.

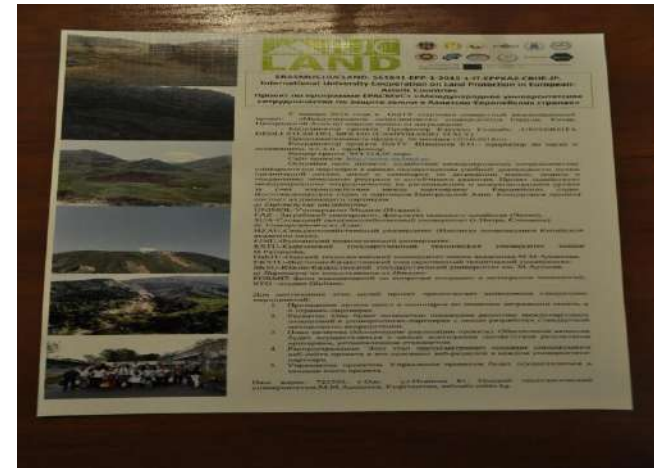
14th stage. Organization and holding a workshop by OshTU project team.

15th stage. Travel of project participants to Ust-Kamenogorsk (Kazakhstan) to a meeting of partners to report and agree on further plans.

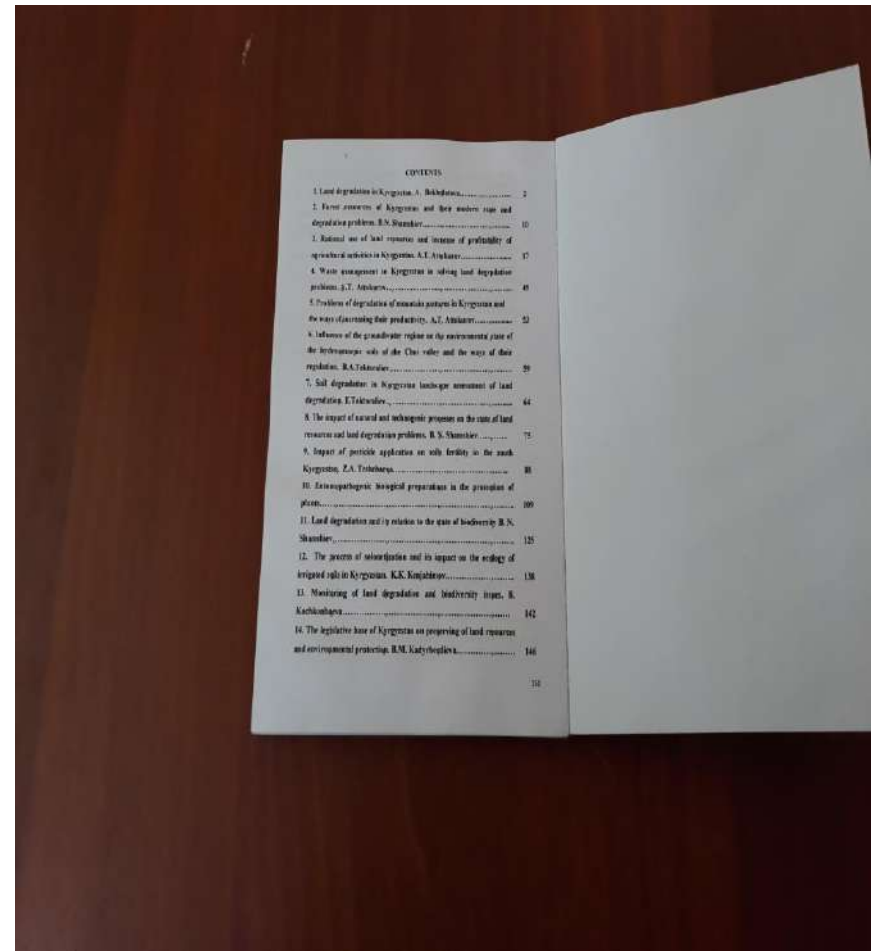
16th stage. Organization and held the summer school in July 2017. Together with KSTU in Bishkek

- In order to disseminate information about the project's work, a number of events were held by the OshTU team:
- Brochures and booklets on the project's activities were published, held a number of meetings with students, undergraduates and graduate students, interested employees of the territorial environmental protection department in Osh oblast, farmers about upcoming webinars and summer schools planned for summer 2017-2018.
- We released a banner with the size 4x2m near the dean's office of the Faculty of Technology and Nature Management in OshTU.
- 3. Information on the activities of the project for students, undergraduates, graduate students, interested people in the field of ecology, biology, geology and nature management were disseminated.

# Banner, brochures, flyers on project activities



# The book (collection) of teaching materials of Summer School in Bishkek.





INTERNATIONAL SUMMER SCHOOL  
ON LAND DEGRADATION IN KYRGYZ REPUBLIC

[www.ucland.kg](http://www.ucland.kg)

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



UCLAND-International University Cooperation on Land Protection in European-Asian 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.ucland.kg](http://www.ucland.kg)

The International Summer School on Land Degradation in Kyrgyzstan, which will be held in Bishkek 10-15 July, 2017. It brings together students and academic staff from partner institutions in six cities: Caspobasso (Italy), Nitra (Slovakia), Bishkek (Kyrgyzstan), Zagreb (Croatia), Shymkent (Kazakhstan) and Wuhan (China), to study and discuss environmental issues of land degradation in an interactive and intensive way. The academic staff comes from different European countries, making the summer school a truly international and multidisciplinary experience. The aim is to invite 40 master and postgraduate students with at least four years of academic experience, regardless of their fields of study to experience this new and, hopefully, rewarding opportunity. All universities involved are encouraged to invite students for their participation in this intensive seminar. The total workload is measured in 6 ECTS credits. This includes attendance at all lectures and seminars, field trip, presentation and successful completion of the final essay.

# 22.11.2017, introduction to UNIMOL workshop. Students of Nature Use Faculty



# 10.02.2017, Giving information about SUA workshop to the students



# 24.02.2017, introduction to the OshTU's workshop by Project Team

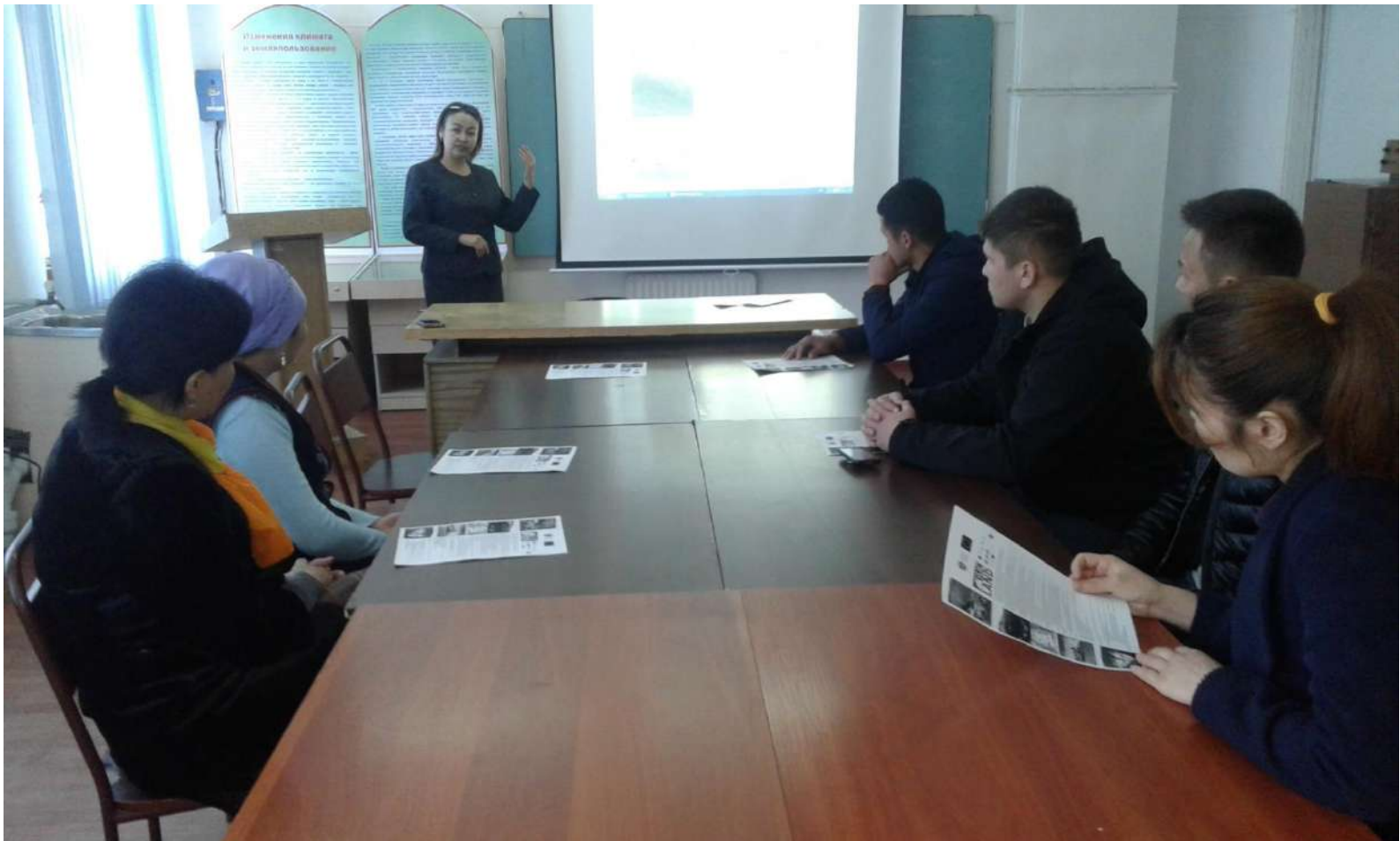


# 24.02.2017, introduction to the OshTU's workshop by Project Team





# 24.02.2017, introduction to the OshTU's workshop by Project Team



03.03.2017 academic council meeting where Prof. B. Shamshiev reported on project implementation.



# 25.03.2017. Introduction to the selection process of UNIMOL Summer School





# 25.03.2017. Introduction to the selection process of UNIMOL Summer School



# Publications and reports on project activities in scientific conferences by project participants

- In May 2017, the project participants presented their report on land degradation in Kyrgyzstan at an international conference at the Kyrgyz Agrarian University named after Scriabin. This article was published in the journal of the KAU. Scriabin Web link: [https://elibrary.ru/download/elibrary\\_29273815\\_57457864.pdf](https://elibrary.ru/download/elibrary_29273815_57457864.pdf)
- Authors: Shamshiev BN, Teshebaeva ZA Ismailova Zh.A. topic: Land degradation in Kyrgyzstan and ways of their solution. Degradation of land in kyrgyz stan and the ways of their solutions
- On April 26, 2017, at a regional student scientific and practical conference, the participant of this project, the student of the group ZCHS-15 Orozbek uulu Adilet spoke at the plenary session of the conference with the report "Problems of land degradation in Kyrgyzstan", his article was published in the materials of the conference "Science and student -2017 »
- March 3, 2017 at the Academic Council of Oshtu Shamshiev BN made an introduction about the work done on the IUCLAND project, as well as on the plans for the summer schools, seminars for the future.
- Under the project, equipment worth 15,000 Euros was purchased. This equipment is used by participants, students, undergraduates of the project in the organization and participation of webinars and summer schools on the project.
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- Equipment cost 15,000 Euros was purchased in the frame the project. This equipment is used by participants, students, master students of the project in the organization and participation of webinars and summer schools on the project.

**Накладная №**  
Дата 11 апреля 2017 г.

Наименование организации и адрес ОсОО «Линкус» Юлдашева Г.Н.  
ИНН № 01209200810058 г. Ош, ул. Ленина 335, БИК 111005, Р\С  
1114200020001948 , ОФ ЗАО «Банк Азии» г.Ош

Кому: Ошский Технологический Университет

Тип оплаты: перечисление  
Дата поставки «12» апреля 2017г.

Выдано без доверенности

№	Item	Specifications (minimum requirements)	Quantity	Price for per diem (EURO)	Price (EURO)
1.	The computer in the complete set	DVD+-RW&CD-RW SAMSUNG 22X DUAL SATA Black CPU cooler DEEPCOOL THETA-9 LGA1156/1151/1150 92x25mm,2000rpm HDD 1000GB 7200rpm TOSHIBA 32MB Cache, SATA300 ST31000528AS NEW Keyboard + Mouse Genius KM-110X (KB-110X+NS120) BLACK USB MB ASROCK H81M-VG4 LGA1150 H81,2xDDR3 1333/1600,1xPCI-Ex16,1xPCIEx1,GLan,USB3.0,SATA3,mATX ATX ATX JUMP (USB,SilverBlack,Без БП) DDR3 8Gb (1600MHz, PC3-12800) Zeppelin Power Unit DELUX DLP-21D 250W CE,20+4PIN, 2*big 4PIN, 2*SATA, P4, 1*12CM fan CPU Intel® Core™ i5-4460 3.0GHz 6MB LGA 1150 BOX PHILIPS 24" 243V5QSBA MVA LED WIDE 1920x1080 20000000:1 5ms DVI-D VGA	5	665,00	3325,00
2.	Computer	ATX ATX JUMP (USB,SilverBlack,Без БП) VD+-RW&CD-RW SAMSUNG 22X DUAL SATA Black CPU cooler DEEPCOOL THETA-16 PWM LGA1156/1155/1150/1151 92x25mm,1800rpm HDD 1TB, Seagate, 7200rpm, 64MB Cache, SATA600 [ST1000DM003] Keyboard + Mouse Genius KM-110X (KB-110X+NS120) BLACK USB MB LGA1151 Asus Z170-K,Z170,2PCIe16x,4xDDR4,7.1CH,14xUSB,4xSATAIII, GLAN,RAID,2PCIe,2xPCI DDR4 8GB PC-17000 (2133MHz) CRUCIAL (шт.) PHILIPS 24" 243V5QSBA MVA LED WIDE 1920x1080 20000000:1 5ms DVI-D VGA CPU LGA1151 Intel Core i7-6700 3.4-4.0GHz,8MB Cache L3,EMT64,Tray,Skylake Microlab Subwoofer M-105 2.1 10W (5W+2.5W*2) BLACK Power Unit DELUX DLP-30D 420W CE, 20+4PIN, 3*big 4PIN, 1*small 4PIN, 2*SATA, P4, 1*12CM fan Коврик обычный с изображением	1	995,00	995,00
3.	Ноутбук	ASUS ROG GL552VW-CN867T RU Gaming Metal Intel Core i7-6700HQ (2.6-3.5Ghz), 8GB DDR4 2133Mhz, 1TB HDD, NVidia Geforce GTX 960M 2GB, DVD±RW, USB 3.1 type C + 2USB 3.0, 15.6" LED FHD (1920x1080) Non-Glare Panel, WiFi, Bluetooth 4.0, HD Cam, stereo speakers, illuminated keyboard, 3200mAh 4cell battery, Slim, Win10 64bit RU, Eng-Rus	2	980	1960
4.	Ноутбук	Acer Aspire E5-573G-39X9 Black Intel Core i3-5005U (2.0Ghz), 4GB, 500GB, Nvidia Geforce GT 920M 2GB	2	430	860

5.	Видеопроектор	Проектор 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	770	770
6.	Экран на треноге	PROJECTOR SCREEN 240X240 3POD	1	350	350
7.	Сенсорная доска	Интерактивная доска WhiteBoard DualPen "85"	1	1130	1130
8.	Лазерный принтер	Canon i-SENSYS MF3010 (A4, Printer, Scanner, Copier, 1200x600 dpi, 18ppm, USB, Cartridge 725)	1	170	170
9.	Принтер цветной	All-In-One Epson L382 (Printer-copier-scanner, A4, 33/15ppm (Black/Color), 69sec/photo, 64-255g/m2, 5760x1440dpi, 600x1200 scanner, USB)	1	250	250
10.	Цифровой фотоаппарат	Canon EOS 1200D 18.0 Megapixels Digital SLR Camera EF S18-55 III, 3 inch TFT LCD Screen	1	410	410
11.	Video Camera	Цифровая видеочка Sony HDR-pj240e	1	544	544
12.	Bag	Bag for notebook BRINCH BW-208 15.6", Black	4	35	140
13.	Наушники	Наушники с микрофоном Genius HS-M505X	6	10	60
14.	Web Camera	Web Camera GeniusFaceCam 2000 (HD/MF/USB 2.0/UVC)	6	18	108
15.	HUB	HUB Switch TP-Link TL-SG1008 8-Port Gigabit Switch	1	28	28
16.		Windows 10	10	175	1750
17.		Office Home and Student 2016 Win Russian CEE Only Medialess	10	108	1080,0
18.	Antivirus	Kaspersky Anti-Virus 2017 Baltic Edition. 1 ПК 12 мес	10	20	200
19.	UPS	UPS Mercury ELITE	1	80	80
20.	UPS	UPS Mercury ELITE	5	140	700
21.		Wireless AP+Router TP-Link TL-WR841ND N, Atheros, 2T2R, 2.4GHz, 802.11n/g/b, 4лан1wan	1	35	35
22.		PROJECTOR CEILING MOUNT	1	37	37
23.		CABLE VGA M/M 15M	1	18	18
Total: (EURO)					15000,00

Отпустил

Артzyков Р.Р.

Принял

Дамshиев Б.Н.





# Infodays on Summer Schools

The meeting with the Director and staff of Territorial Management for Environmental Protection on Osh region



# Workshop at OshTU

March 9, 2017 at 14.00. a webinar on project 561841-EPP-1-2015-1-IT-EPPKA2-CBHE-JP was held in OshTU on the topic: **LAND DEGRADATION IN KYRGYZSTAN IS ONE OF THE FACTORS OF BIODIVERSITY REDUCTION**

# Workshop at OshTU

- March 9, 2017 at 14.00. a webinar on project 561841-EPP-1-2015-1-IT-EPPKA2-CBHE-JP was held in Oshtu. ERASMUS + IUCLAND International University Cooperation on Land Protection in European-Asiatic Countries. "International cooperation of the Universities of Europe, China, Central Asia on protecting land from degradation" Erasmus + IUCLAND in the multimedia center by the partners of the project. According to preliminary information, 11 agrarian universities: Italy (UNIMOL, FORMIT, STG), Slovakia (SUA), Croatia (FAZ), Italy, China (HZAU, ISSAS, FJNU), Kazakhstan (EKSTU, SKSU) and Kyrgyzstan KSTU them. Razakova and Osthto.
- All the partners of the project took an active part in this seminar organized by the OshTU. This webinar was dedicated not only to students, masters and university professors, but also to all stakeholders concerned with land degradation. The topics of the lecture-seminar were very relevant and at the end the Project Coordinator Claudio Colombo (Italy) and the P9OshTU ProTecturer for Science and Innovation of the Oshtu, Ph.D., Professor B. Shamshiev appreciated and thanked the OshTU team for the successful organization of the seminar.
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# WORKSHOP OSHTU

## LAND DEGRADATION IN KYRGYZSTAN IS ONE OF THE FACTORS OF BIODIVERSITY REDUCTION

### Program of the workshop

- 14.00. | Kadyrberdieva Busalima  
**Introduction to the topic of the workshop and the participants**
- 14.20. | Teshebaeva Zulumkan  
**Lecture on "The main types of land degradation in Kyrgyzstan"**
- 14.40. | Shamshiev Bakytbek  
**Lecture on "Monitoring of land degradation and biodiversity issues"**
- 15.10. | Kochkonbaeva Buzazhar  
**Lecture on "Land degradation as a result of reduction of biological diversity in Kyrgyzstan"**
- 15.40. | Kadyrberdieva Busalima  
**Lecture on "The legislative base of Kyrgyzstan on preserving of Land resources and biodiversity"**
- 16.00. **Question and debate**
- 16.30. **Evaluation of workshop**

**9 March 2017** | 9.00 am (CET)

Conference hall //Osh Technological University

Place: 723503, 81, Isanov Sreet, OSH TECHNOLOGICAL UNIVERSITY  
NAMED AFTER M.M.ADYSHEV, Osh City, Kyrgyzstan,

In order to participate to the workshop, it is necessary to register via email sending name and affiliation and email of the persons that are going to attend the workshop at the following email addresses:

[colombo@unimol.it](mailto:colombo@unimol.it) | [p.atalessandro@formit.org](mailto:p.atalessandro@formit.org)

Project coordinator | Prof. Claudio Colombo | [colombo@unimol.it](mailto:colombo@unimol.it)

Project manager | Dott.ssa Silvia Reale | [reale@unimol.it](mailto:reale@unimol.it)

Dott. Felcino Carpenito | [carpenito@unimol.it](mailto:carpenito@unimol.it)

Molise University | Via De Sanctis 86100 | Campobasso (Italy)

tel. 0874 404314 | [www.iuciland.eu](http://www.iuciland.eu)

## Program of the workshop

14.00. |Kadyrberdieva Busalima

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M.M.ADYSHEV, Osh City, Kyrgyzstan

# Short abstracts of workshop lectures held at OshTU

- **REDUCTION OF BIOLOGICAL DIVERSITY IN KYRGYZSTAN AS A RESULT OF LAND DEGRADATION**
- Prof. Shamshiev Bakytbek
- Currently, there is a reduction of biological diversity in Kyrgyzstan as a result of land degradation. Landscape degradation have reduced Kyrgyzstan's forests three times, there is a depletion of biodiversity, the extinction threat of some flora and fauna species.
- There are the most important trends on Republic's biodiversity due to the progressive degradation of the land. Kyrgyzstan in terms of biodiversity occupies a significant place in the world by distinguishing a high concentration of plant and animal species as well as preservation of natural landscapes and ecosystems.
- The modern appearance of the landscape, flora and fauna began to take shape in the post-glacial period, tens of thousands of years ago. Already at that time, more than ten thousand years ago, the Tien-Shan was inhabited by primitive tribes, has
- an impact on wildlife.
- **THE MAIN TYPES OF LAND DEGRADATION IN KYRGYZSTAN**
- Teshebaeva Zulumkan
- The lecture is given a summary of land degradation in Kyrgyzstan and the reasons for their occurrence. Underlined that the types of degradation depends on the height of the territory where they occur in the country. In mountainous areas: rockfalls, landslides, degradation of pastures and deforestation. In the foothills: water and wind erosion, mudslides, irrigation erosion and loss of organic matter and topsoil. In the valleys: salinization, waterlogging and irrigation erosion.
- The main part of the economy is an agriculture and the entire agricultural area of the republic is considered as a potentially dangerous erosion.
- Irrational use of pastures, forests, arable land, the development of mineral resources, the use of inefficient and outdated irrigation technology, low standard agricultural practices and destruction of drainage networks led to increasing of land degradation.
- In general, the different types of land degradation in the country are not only amplified each year, but in large parts it has taken irreversible character, where the consequences of this process can be suspended only by conducting relevant activities.

- **MONITORING OF LAND DEGRADATION AND BIODIVERSITY**

- Prof. Kochkonbaeva Buazhar
- The problems of land degradation monitoring, reducing the area of farmland, forest pasture resources are concerned in this lecture. One of the main issue is soil degradation that causes great economic damage to Kyrgyzstan.
- Earth is one of the main natural resources, ensuring sustainable development of the country. For the environmentally sound and sustainable use and protection of land resources necessary to form an optimal structure of land use, to minimize the negative impact on the earth's diverse business activities, improve the regulatory and methodological support of the use and protection of land and soil.
- The continuing aridization causes very serious issues such as degradation and desertification and reduces productivity of vegetation.
- The unique biodiversity of Kyrgyzstan is under the threat of serious violations. It needs an urgent conservation and sustainable use.

- **THE LEGISLATIVE BASE OF KYRGYZSTAN ON PRESERVING OF LAND RESOURCES AND ENVIRONMENTAL PROTECTION**

- Prof. Kadyrberdieva Busalima
- Land is one of the most essential natural resources for the survival and prosperity of humankind. Due to limited land resources the world's population increase pressures on it and the overexploitation of land resources have resulted in many forms of degradation such as desertification, loss of biodiversity, deforestation, land degradation, water degradation, etc. so it needs legislative conservation. There are the main legislative acts of Kyrgyzstan regulating biodiversity conservation and natural resource management.
- Public and political transformations in Kyrgyzstan lasting for over 15 years have been accompanied by development and improvement of national legislation of environment protection and regional development.
- The law "On protection of soil fertility of agricultural land" sets the priority
- of sustainable use and conservation of the soil as an essential component in ensuring food security, the inadmissibility of the impact on the soil, leading to a deterioration of its quality, the degradation, pollution and destruction.



# Workshop at OshTU











## Участники летних школ по проекту от ОшТУ

- **Summer school in Italy, the University of Molise, Campobasso from June 5-10, 2017.**
- Shamshiev BN-lecturer, vice-rector for science and innovations Oshtu, doctor of Agriculture sciences, professor
- Biymamat uulu Ulankadyr-student group E-14
- Avazbek uulu Akbuura-student of group E-14
- 
- **Summer school in Slovakia, Agrouniversity, Nitra, June 26-July 1, 2017.**
- Teshebaeva ZA-lecturer, head of the department of science OshTU;
- Kalykova Zhibek-master, laboratory assistant
- Kochkonbaeva Boisjar-master, teacher of the Softwear and programming department of OshtU
- Absatarov Ravshan-master, OHPI
- 
- **Summer School in KSTU them. I. Razzakov, Bishkek, July 10-15, 2017**
- Japarova Sh.J.-teacher, assistant professor at EP OshTU
- Sherbaev Manas-student of the group E-14 OshTU
- Egemberdieva Aksana-student of the group of E-14 OshTU
- 
- **Lecturers in the summer school of KSTU from OshTU**
- Shamshiev BN-pro-rector for science and innovations Oshtu, doctor of technical sciences, professor;
- A.T Attokurov, Director of the IPN, Ph.D., Assoc .;
- Teshebaeva Z.A- Oshtu, Candidate of Biological Sciences;
- Kochkonbaeva B.-senior teacher at OshTU
- Kadyrberdieva BM- senior teacher at Oshtu

# Summer School in Italy







# Summer School in Slovakia







# Summer School in Bishkek

- From 10 to 15 July 2017 held a Summer School in Bishkek.
  - 2 students and 6 teachers take part in Summer School activity.
- 10 lectures on the topic of land degradation were given by the researchers of OshTU:
- 3 lectures by professor Shamshiev B.N.; 3 Attokurov A.T.; 2 lectures by professor Teshebaeva Z.A.; 2 lectures by professor Kadyrberdieva Busalima; 1 lecture by professor Kochkonbaeva B.



- OshTU team was responsible for printing out and processing the educational material of the summer school in Bishkek.
- A book was published with a volume of 124 pages of typewritten text.
- Also, OshTU was responsible for the payment of synchronic interpretation during the summer school practical lessons.

# Summer School in Bishkek













- Within the framework of this project, a selective course "Environmental protection and land resources" was introduced into the Master's curriculum in the direction "Ecology" of the Oshtu University. It included 3 credits, 15 hours of lectures, 15 hours of practical and 15 hours of laboratory classes.

# Participating in 6<sup>th</sup> IUCLAND international workshop on land degradation issue

- Teachers and students of Osh Technological University in October 6, 2017 at 16.00. participated in a workshop organized by the University of Zagreb, Croatia, on the project 561841-EPP-1-2015-1-IT-EPPKA2-CBHE-JP. ERASMUS + IUCLAND International University Cooperation on Land Protection in European-Asiatic Countries. "International University Cooperation on Land Degradation in European-Asian Countries" Erasmus +. The online workshop was held at the MCCTS Oshtu.
- On the program of the webinar, the participants listened to 3 lectures of scientists from the Faculty of Agriculture of Zagreb University, Croatia:
- Prof. Maria Romich, Professor Davor Romich on the theme: "Improving the functions of the agroecosystem through effective soil and land management."
- Ph.D. Marina Bubalo Kovacic on the subject: "Water resources management in the Mediterranean Sea to mitigate the effects of desertification of the soil".
- Ph.D. Monica Zovko, Ph.D. Lana Filippovich on the topic: "Land degradation as a consequence of the salinization process".
- At the end of the webinar, the educational material of the webinar was vigorously discussed. Lecturers of the University of Zagreb answered the questions of interest of the participants. Also discussed some issues of future summer schools on the project. The event was attended by 19 participants from the Faculty of Technology and Nature Management.

# 6<sup>th</sup> workshop of the project



- ***Thank you for your attention!!!!***



# ОШТУ участник 7-го вебинара по проекту



## WORKSHOP EKSTU

**EAST KAZAKHSTAN REGION: "Reasons and assessment of soil pollution with heavy metals. The negative impact of mining and metallurgical enterprises on the degradation of the soil".**

**DATE and TIME:** 8 November, 2017  
14.00 Local time (Astana, Kazakhstan)  
14.00 Kyrgyzstan time  
09.00 EU participants time (Italy, Croatia, Slovakia)  
16.00 Beijing time (China)

**PLACE:** East Kazakhstan State Technical University | Ust-Kamenogorsk city | Erasmus+ office in EKSTU

**PROGRAM:**  
14.00 Yermek Komekbayev  
Introduction of the E+ Project and the topic of the workshop.  
14.10 Olga Frolova  
Lecture on "ecological and economic assessment of agricultural lands contaminated with heavy metals for rational use of natural resources".  
14.30 Oleg Gavrilenko  
Lecture on "soils pollution of heavy metals, as one of the main factors of land degradation".  
14.50 Marina Mizernaya  
Lecture on "heavy metals in the soil of some North Eastern Kazakhstan cities".  
15.10 Andriy Bybnyak  
Lecture on "drones and their use for research in the Earth sciences".  
15.30 Evaluation of the workshop.

In order to participate in workshop, it is necessary to register via email sending name and affiliation and email of the persons that are going to attend the workshop at the following email addresses: Alina Utma [a.utma@formit.org](mailto:a.utma@formit.org); [int.dep@vandex.ru](mailto:int.dep@vandex.ru) | [ogavrilenko@inbox.ru](mailto:ogavrilenko@inbox.ru)  
Project coordinator Prof. Claudio Colombo [colombo@unimol.it](mailto:colombo@unimol.it)  
I Project coordinator in EKSTU - Prof. Oleg Gavrilenko | [ogavrilenko@inbox.ru](mailto:ogavrilenko@inbox.ru)  
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