



ERASMUS+ project 610383-EPP-1-2019-1-DE-EPPKA2-CBHE-JP (2019-2086)
Enhancement of postgraduate studies in the sphere of sustainable agriculture and future farming systems (SAGRIS)
1st BLOCK-SEMINAR ON MODULE 3
"MODERN METHODS OF SCIENTIFIC RESEARCH"
KAZAKH AGROTECHNICAL RESEARCH UNIVERSITY / STAVROPOL STATE AGRARIAN UNIVERSITY
December 06-10, 2021

December 6, 2021.

Opening of the Block Seminar

GMT+1	GMT+3	GMT+6	
07:00	09:00	12:00	Meeting of participants in the meeting venue, online connection
07:30	09:30	12:30	https://zoom.us/j/95461938848?pwd=NjNNbUJKdW51aUFwekNGem1FYmp5UT09 Conference ID: 954 6193 8848 Access code: 123456
07:30-08:30	09:30-10:30	12:30-13:30	Welcoming word (translation from and into English is provided consecutively): <i>Vice-Chairman of the Board for Academic Activities- Rector Prof. Aitzhan M. Abdyrov</i> <i>Rector of Stavropol State Agrarian University, Prof. Dr. Alexandr V. Trukhachev</i> <i>Project Manager M.Sc, Anna Borsuk, Nuertingen-Geislingen University, Germany</i> <i>Module 3 supervisor from European universities Prof. Dr. Axel Schwerk, Warsaw University of Life Sciences, Poland</i> Program, background information and objectives of the seminar <i>Dr. Nadezhda Meleshenko, S. Seifullin Kazakh Agrotechnical University</i> <i>Dr. Iuliia Bezgina, Stavropol State Agrarian University</i>
08:30-10:30	10:30-12:30	13:30-15:30	Keynote of the Block Seminar (online in English. Translation to Russian is provided consecutively) <i>«The significance of methods and publishing in scientific work - past, present and future»</i> <i>Prof. Dr. hab. Axel Schwerk, Warsaw University of Life Sciences- SGGW, Poland</i>
10:30	12:30	15:30	Coffee-break (SSAU)
11:30	13:30	16:30	Lunch (KATU)



11:30-13:00 **13:30-15:00** **16:30-18:00** **Discussion of a group assignment (Subtopic 3: Advanced statistical methods), work in groups:**

The groups of PhD-students are encouraged to use Advanced methods of statistical data analysis in the doctoral theses.

The session will start with panel discussion and possible questions.

Further the participants work in groups. Supervisors will be available for every group for questions and counselling.

13:00 **15:00** **18:00** Lunch (SSAU)
Dinner (KATU)

15:00 **19:00** **Tour around the University (SSAU)**
Main building (Stavropol, 12 Zootechnicheski str.)

19:00 Dinner (SSAU)



December 7, 2021

Day 2

Theory and practice of using statistical methods

GMT+1	GMT+3	GMT+6	
05:00-06:30	07:00-08:30	10:00-11:30	Group work of doctoral students (KATU)
06:30-07:00	08:30-09:00	11:30-12:00	Coffee-break (KATU)
07:00-07:45	09:00-09:45	12:00-12:45	Average values and variation of mass phenomena. (Lecture in Russian) <i>Dr.Econ. sci., Professor Evgenii I. Gromov, Stavropol State Agrarian University</i>
07:45-08:30	09:45-10:30	12:45-13:30	Complex groupings, methods of multivariate comparisons. (Lecture in Russian) <i>Dr.Econ. sci., Professor Aleksey N. Gerasimov, Stavropol State Agrarian University</i>
08:30-09:00	10:30-11:00	13:30-14:00	Coffee-break (SSAU) Lunch (KATU)
09:00-10:00	11:00-12:00	14:00-15:00	From raw data to result. Common pitfalls in data analysis for beginners. (Online in English. Translation to Russian is provided consecutively) <i>Doctoral student Stanislaw Kamil Zagrodzki, Warsaw University of Life Sciences-SGGW, Poland</i>
10:00-10:45	12:00-12:45	15:00-15:45	Principles of scientific publishing: specific features of statistical data presentation. (Workshop in Russian) <i>Prof. Dr. Ivan Dubovskiy, Novosibirsk State Agrarian University</i>
10:45-12:00	12:45-14:00	15:45-16:15	Lunch (SSAU) Coffee-break (KATU)
12:00-14:00	14:00-16:00		Tour around the University (SSAU): Scientific-Diagnostic and Medical Veterinary Center (Stavropol, 523 Serov str.,)
		16:15-17:30	Group work of doctoral students (KATU)
	16:00-17:30		Group work of doctoral students (SSAU)
	17:30		Dinner (SSAU)
		17:30	Dinner (KATU)



December 8, 2021

**Day 3 Application of modern statistical methods in scientific research
Presentation of scientists / doctoral students on completed scientific projects**

GMT+1	GMT+3	GMT+6	
05:00- 05:45	07:00- 07:45	10:00 10:45	Introduction to modern methods of organizing centralized and distributed databases. (Lecture + seminar in Russian) <i>Dr. Gulden Murzabekova, S. Seifullin Kazakh Agrotechnical University</i>
			Interacting with SQLite Databases in Python. (Online in English. Translation to Russian is provided consecutively) <i>Dr. Denis Monasse, AgriParisTech University, France</i> <i>(video lecture for SSAU)</i>
05:45 06:30	07:45 08:30	10:45 11:30	Forecasting models in agricultural research. (Lecture in Russian) <i>Dr. Aizhan Ibyzhanova, Zhangir khan West Kazakhstan Agrarian-Technical University, Kazakhstan</i> <i>(video lecture for SSAU)</i>
06:30	08:30	11:30	Coffee-break (KATU)
07:00 08:30	09:00 10:30	12:00 13:30	Analysis of dynamics and forecasting of socio-economic processes. (Lecture+seminar in Russian) <i>Dr. Yuri S. Skripnichenko, Stavropol State Agrarian University</i> <i>Viktoria Y. Skripnichenko, PhD-student of Stavropol State Agrarian University</i>
08:30	10:30	13:30	Coffee-break (SSAU) Lunch (KATU)
			Presentation of scientists / doctoral students on completed scientific projects Objective: networking & integration of scientists and doctoral students into scientific community
09:30 11:00	11:30 13:00	14:30 16:00	Inventory and valuation of selected degraded and polluted areas in Warsaw - natural and social potential of wastelands. (Online in English. Translation to Russian is provided consecutively) <i>Dr. hab. Beata Gawryszewska, project leader, Warsaw University of Life Sciences-SGGW, Poland</i>
11:00 11:30	13:00 13:30	16:00 16:30	TPF (targeted program financing) Transfer and adaptation of technologies for precision agriculture in the production of crop products on the principle of "demonstration farms" (polygons) in the North Kazakhstan region. (in Russian) <i>Ermekov Farabi, M.Sc., Director of the center for technological competence in the field of agricultural digitalization, S. Seifullin Kazakh Agro Technical University</i>
11:30 12:00	13:30 14:00	16:30 17:00	Coffee-break (KATU)



12:00 **14:00** **17:00** **TPF (targeted program financing) Application of the achievements**
13:00 **15:00** **18:00** **of molecular genetics for creating new highly productive breeding**
lines of common wheat, barley and chickpea, adapted to the climatic
conditions of Northern and Central Kazakhstan (in Russian)

*Satyvaldy Jataev, Cand. Biol. sci., Senior Lecturer at the Department of
 Agriculture and Crop Production*

TPF (targeted program financing) Transfer and adaptation of
innovative technologies to optimize production processes at dairy
farms in Northern Kazakhstan (in Russian)

*Saltanat Isabekova, Cand. Agri. Sci., Senior Lecturer at the Department
 of Production Technology and Processing of Livestock Products,*

13:00 **15:00** **18:00** Lunch (SSAU)

14:00 **16:00** **19:00** Dinner (KATU)

14:00 **16:00** **19:00** **Group work of doctoral students**

15:00 **17:00** **20:00**

15:00 **17:00** Coffee-break (SSAU)

15:30 **17:30** **Introduction to modern methods of organizing centralized and**
16:15 **18:15** **distributed databases. (Lecture + seminar in Russian)**

*Dr. Gulden Murzabekova, S. Seifullin Kazakh Agrotechnical University
 (video lectures and seminars for SSAU)*

16:15 **18:15** **Forecasting models in agricultural production research. (in**
17:00 **19:00** **Russian)**

(video lecture for SSAU)

*Dr. Aizhan Ibyzhanova, Dr. Zhangir khan West Kazakhstan Agrarian-
 Technical University, Kazakhstan*

19:00 Dinner (SSAU)



December 9, 2021

Day 4 Excursion / Preparation of scientific publications, including methods of research work with literature			
GMT+1	GMT+3	GMT+6	
04:00	06:00	09:00	KATU excursion
05:30	07:30	10:30	Biological faculty: Research platform of agricultural biotechnology. Kazakh-German soil laboratory. Agro-ecological testing center. Technical faculty building: Agricultural products processing laboratory (production laboratories: butter, meat, dairy). Land management, architecture and design faculty building: GIS-center. Energy Faculty building: Robotics laboratory. Videos on scientific laboratories of S. Seifullin KATU and Stavropol State Agrarian University are demonstrated
		10:30	Coffee-break (KATU)
06:00	08:00	11:00	Presentation of group projects elaborated by Russian and
08:00	10:00	13:00	Kazakhstani PhD- students (in Russian) All partners
08:00-09:00	10:00-11:00	13:00-14:00	Lunch (KATU) Coffee-break (SSAU) Preparation of scientific publications, including methods of research work with literature Objective: to use the experience of project experts for preparing own scientific publications
09:00-09:45	11:00-11:45	14:00-14:45	Regression models in agricultural research. (Lecture in Russian) <i>Dr. Aizhan Ibyzhanova, Zhangir Khan West Kazakhstan Agrarian-Technical University, Kazakhstan</i>
09:45-10:15	11:45-12:15	14:45-15:15	Choosing the scientific journal, submission and promotion of scientific publication. (Workshop in Russian) <i>Dr. Marina Petukhova, Novosibirsk State Agrarian University</i>
10:15-11:15	12:15-13:15	15:15-16:15	1. How to write scientific articles: practical recommendations. 2. How to publish scientific articles (personal experience). (Workshop in Russian) <i>Dr. Liudmila Zotova, S. Seifullin Kazakh Agro Technical University</i>
11:15-12:30	13:15-14:30	16:15-17:30	«The publish or perish imperative». The experience of a PhD-student. (Online in English. Translation to Russian is provided consecutively) <i>Biance Minotti, PhD-student, Czech University of Life Sciences, Prague</i>
12:30	14:30	17:30	Lunch (SSAU), dinner (KATU)
13:30	15:00		Videos about scientific laboratories of KATU and SSAU; videos from excursions at SSAU Group work of doctoral-students: Preparation of a speech for the Forum
	19:00		Dinner (SSAU)



December 10, 2021

Day 5			
International forum "Prospects of postgraduate education in agricultural universities of Russia and Kazakhstan on the way to integration into the international scientific community". Presentation of projects by the participants of the Block-seminar			
GMT+1	GMT+3	GMT+6	
07:00-09:30	09:00-11:30	12:00-14:30	<p>Forum opening. Welcoming word and welcoming speeches (in Russian) Moderator: <i>Vice-Chairman of the Board for Academic Activities-Rector Prof. Aitzhan M. Abdyrov</i></p> <p>Plenary session "Solutions and proposals for enhancement of postgraduate education in the sphere doctoral studies in agriculture. Positive examples, challenges and prospects for third cycle education".</p> <p>Agricultural science in the national policy of agro-industrial complex development until 2025 (in Russian) <i>Erkyn N. Satenbaev, Head of Science Department at National Agrarian Scientific and Educational Center</i></p> <p>Transformation of educational policy under implementation of Russian National project "Priority 2030" (in Russian) <i>Prof. Dr. Aleksei N. Bobryshev, Vice-Rector for Scientific work and Innovations, Stavropol State Agrarian University</i> <i>Prof. Dr. Evgenii Gromov, Head of the Centre for Academic studies management at Stavropol State Agrarian University</i></p> <p>Training of scientific and pedagogical specialists at Novosibirsk State Agricultural University: challenges and outlooks (in Russian) <i>Dr. Sergei Riumkin, Head of Scientific Department at Novosibirsk State Agricultural University</i></p> <p>The system of training scientific personnel in doctoral studies in the Republic of Kazakhstan (in Russian) <i>Dr. Ainur Aldiyarova, Director of the Institute of Postgraduate Education</i></p> <p>Impact of external quality assurance of education on personnel training in agricultural sector (in Russian) <i>Olga Yanovskaya, Adviser of the General Director of Independent Agency of Accreditation and rating, Kazakhstan</i></p> <p>External quality evaluation of education as a mechanism of quality assurance and competitiveness of educational programmes at agricultural universities (in Russian) <i>Dr. Galina N. Motova, Vice-Director of National Center for Professional Accreditation</i></p> <p>Organization and support for Ph.D. studies – an example of Faculty of Agrobiological Sciences, Food and Natural Resources, CZU Prague (online in English. Translation to Russian is provided consecutively) <i>Prof. Dr. Marketa Sedmikova, Czech University of Life Sciences, Prague)</i></p>
09:30-10:30	11:30-12:30	14:30-15:30	Lunch



10:30-13:00	12:30-15:00	15:30-18:00	<p>Impulse-presentation «Challenges in the professional path of a young scientist and third cycle education perspectives». <u>Speakers:</u> Implementation of the personal and professional potential of a young researcher in the context of global challenges and requirements of labor market (in Russian) <i>Dauren Sambetbaev, doctoral student at Kazakh National Agrarian Research University, Kazakhstan</i> Challenges that young scientists face in agricultural science (in Russian) <i>Alexander Guriev, PhD-students of Arctic State Agrotechnological University, Russia</i></p> <p>Panel discussion «Prospects for postgraduate education in agrarian universities in Russia and Kazakhstan towards integration into the international scientific community» (in Russian)</p> <p><u>Moderator:</u> Dr. Victor Joseph, «TurlyunAgrarConsult»</p> <p>Key issues:</p> <ul style="list-style-type: none"> – Educational programmes of the third cycle in Russia and Kazakhstan: elaboration and implementation on agricultural universities. – Building professional competencies in research activity. – System of state scientific attestation and peculiarities of attestation documents for degree seekers. – Internationalization of postgraduate education in Russia and Kazakhstan. <p><u>Participants:</u> Prof. Dr. Michal Lostak, First Vice-Rector, Czech University of Life Sciences, Prague Prof. Dr. Viktor Dridiger, Head of Scientific Department at North-Caucasus Federal Research Agricultural Centre Dr. Assel Imasheva, Deputy Director of the Department on Academic Affairs, S.Seifullin Kazakh Agrotechnical University Dr. Iuliia Bezgina, Scientific Secretary of the Dissertation Committee, Stavropol State Agrarian University Prof. Dr. Nurlan Serekpaev, Chairman of A. Barayev Scientific Centre of Crop Production</p> <p>Summary of the event & closing (consecutive translation from and into English)</p>
13:00	15:00	18:00	Lunch (SSAU), Dinner (KATU)



ERASMUS+ 610383-EPP-1-2019-1-DE-EPPKA2-CBHE-JP (2019-2086)
**Enhancement of postgraduate studies on sustainable agriculture and future farming
systems (SAGRIS)**

2ND BLOCK-SEMINAR ON MODULE 4
«TRANSDISCIPLINARY METHODS FOR SUSTAINABLE
AGRICULTURE»

ZHANGIR KHAN WEST KAZAKHSTAN AGRARIAN-TECHNICAL UNIVERSITY

Sunday, June 26, 2022

Meeting of the participants of the block seminar. Transfer to the “Prestige” Hotel

June 27, 2022, Monday. Zhangir Khan WKATU

Day 1	Opening of the Block Seminar	
GMT+2	GMT+5	Conference hall of the administrative building
6-30	9-30	Meeting of participants at the venue of the Block seminar, online connection on the Zoom platform. Link: https://zoom.us/j/3829866777?pwd=VjhjZUpmUTIPWDQ3cjVIRG01bkttzd09 ID: 382 986 6777 Password: SAGRIS
7-00	10-00	The program of the seminar and its objectives <i>Irina Bogdashkina, Project Coordinator at Zhangir Khan West Kazakhstan Agrarian-Technical University, Head of Module 4</i> About a study trip to German Institute for Tropical and Subtropical Agriculture (Witzenhausen, Germany) <i>Aigerim Kozhayeva, PhD student, Zhangir Khan WKATU</i> <i>Adilet Kanatuly, PhD student, KARNARU</i>
8-00	11-00	Coffee break
8-30	11-30	Welcome speech: - <i>Askar Nametov, Chairman of the Board - Rector of JSC " Zhangir Khan West Kazakhstan Agrarian-Technical University", Kazakhstan</i> - <i>Heinrich Shuele, Professor, Project Supervisor, University of Nürtingen-Geislingen, Germany</i> - <i>Brigitte Kaufmann, Professor, Head of Module 4, German Institute for Tropical and Subtropical Agriculture, Germany</i> - <i>Irina Bogdashkina, Head of Module 4, Zhangir Khan West Kazakhstan Agrarian-Technical University, Kazakhstan</i>
9-15	12-15	Scientific work at the Zhangir Khan WKATU. Organization of work with doctoral students. <i>Aigul Kazambayeva, Head of the Department of Science of WKATU</i>
10-00	13-00	Lunch. Dining room "Olympos"



11-00	14-00	Expectations from the block seminar 2. Group work and self-presentation <i>Irina Bogdashkina, Project Coordinator at Zhangir Khan West Kazakhstan Agrarian-Technical University, Head of Module 4</i>
12-30	15-30	Coffee break
13-00	16-00	Presentation of the prepared video by doctoral students. Finding problems for research (<i>homework for the Block Seminar 1</i>) <i>Moderator: Irina Bogdashkina, project coordinator at Zhangir Khan West Kazakhstan Agrarian-Technical University, Head of Module 4</i>
15-30	18-30	Welcome dinner. <i>Summer restaurant "On the top"</i>

June 28, 2022, Tuesday. Zhangir Khan WKATU

Day 2		Introduction to interdisciplinary research
GMT+2	GMT+5	Coworking hall
6-30	9-30	Transdisciplinary strategies for collaborative research in agriculture <i>Gulnara Yunussova, KRU, Kazakhstan</i>
8-00	11-00	Coffee break
8-30	11-30	The results of the research work at the Zhangir Khan WKATU 1. PPP "Maintenance and deworming services, identification, sterilization, vaccination of stray dogs and cats in the city" <i>Visit to the Vet Clinic</i> 2. Implementation of a project to provide fish farmers with fish planting material <i>Visit to the Laboratory of Ichthyology and Aquaculture</i>
10-00	13-00	Lunch. Dining room "Olympos"
11-00	14-00	European experience of transdisciplinary research <i>Angelika Thomas, University of Nürtingen-Geislingen, Germany</i>
12-30	15-30	Coffee break
13-00	16-00	Analysis of problems in transdisciplinary research <i>Assel Imasheva, KATU, Kazakhstan</i>
15-00	18-00	Individual dinner

June 29, 2022, Wednesday. Zhangir Khan WKATU

Day 3		Basics of communication with stakeholders
GMT+2	GMT+5	Coworking hall
6-30	9-30	Transdisciplinary project: identification of stakeholders <i>Tatyana Chekhova, KRU, Kazakhstan</i>
8-00	11-00	Coffee break
8-30	11-30	Methods of actor analysis in transdisciplinary research <i>Oksana Dryuk, KRU, Kazakhstan</i>
10-00	13-00	Lunch. Dining room "Olympos"



11-00	14-00	Planning a transdisciplinary project <i>Brigitte Kaufmann, German Institute for Tropical and Subtropical Agriculture DITSL, Witzenhausen, Germany</i>
12-30	15-30	Coffee break
13-00	16-00	Visit to the Zhangir Khan Museum at Zhangir Khan West Kazakhstan Agrarian-Technical University
15-00	18-00	Individual dinner

June 30, 2022, Thursday. Zhangir Khan WKATU

Day 4	Methodology of transdisciplinary research in agriculture	
GMT+2	GMT+5	Coworking hall
6-30	9-30	Case study method <i>Oxana Dryuk, KRU, Kazakhstan</i>
8-00	11-00	Coffee break
8-30	11-30	Analysis of activities and knowledge in transdisciplinary projects <i>Alua Rysbekova, KAZNARU, Kazakhstan</i>
10-00	13-00	Lunch. Dining room "Olympos"
11-00	14-00	Excursion to the enterprise <i>Departure to the SAYAT ethno-tourist center</i>
15-00	18-00	Individual dinner

July 1, 2022, Friday. Zhangir Khan WKATU

Day 5	Methodology of transdisciplinary research in agriculture	
GMT+2	GMT+5	Coworking hall
6-30	9-30	Data collection in a transdisciplinary project. Semi-structured and open interviews <i>Gulmira Skabayeva, KAZNARU, Kazakhstan</i>
8-00	11-00	Coffee break
8-30	11-30	Qualitative data analysis <i>Patricia Kiprono, PhD student, NaviNut project, German Institute for Tropical and Subtropical Agriculture DITSL, Witzenhausen, Germany</i>
10-00	13-00	Lunch. Dining room "Olympos"
11-00	14-00	Training: Building effective transdisciplinary teams <i>Nurgul Montayeva, Zhangir Khan West Kazakhstan Agrarian-Technical University, Kazakhstan</i>
GMT+2	GMT+5	Conference hall of the administrative building
12-30	15-30	Coffee break
13-00	16-00	Technical time for processing financial documents
13-30	16-30	Results of the block seminar and feedback <i>Professor Brigitte Kaufmann, Head of Module 4, German Institute for Tropical and Subtropical Agriculture, Germany</i>



		<i>Irina Bogdashkina, Zhangir Khan West Kazakhstan Agrarian-Technical University, Kazakhstan</i>
15-00	18-00	Final dinner. <i>Restaurant of the beach recreation area "GREEN PARK"</i>