

Enhancement of Postgraduate Studies on Sustainable Agriculture and Future Farming Systems

Issue 5, September 2022

SAGRIS intermediary results

The third year of SAGRIS project implementation (January-August 2022) was devoted to implementation of planned events on the project, they are the second wave of Block Seminars on SAGRIS Modules, study trips to the Universities of the European Union, networking within the project consortium and dissemination of project and its results.



During the first part of 2022 year, the SAGRIS project implemented three block seminars on SAGRIS modules and two study trips to the universities of Germany. About 50 doctoral students from Kazakhstan and Russia (module 1) had further intensive training and participated in Block Seminars under the project. Teachers and module developers prepared teaching materials on the module subtopics, which are uploaded to the internal project portal for networking and cooperation.



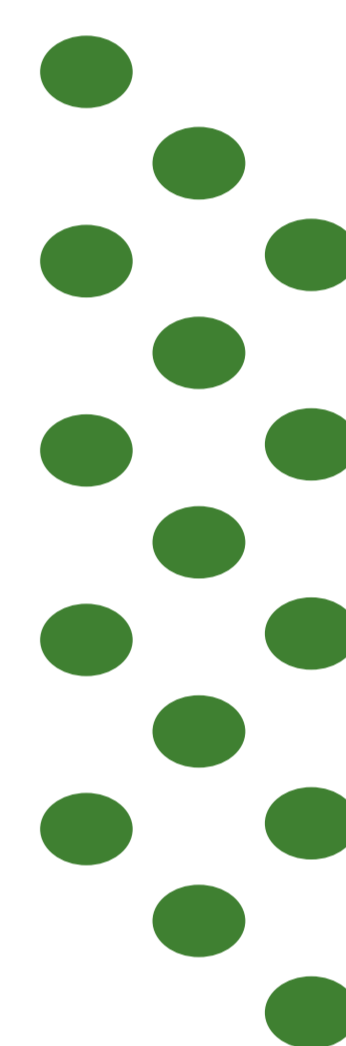
The results on WP4 related to networking on doctoral education and research for sustainable agriculture and future farming systems are seen as finalized background paper on Russian and Kazakhstani 3rd cycle education systems in agriculture with references to the European higher education area and Bologna process, glossary and elaborated strategic papers by partner universities aimed at enhancement of postgraduate studies on agricultural sciences in Russia and Kazakhstan.

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SAGRIS Block Seminars and study trips – implementation in 2022

Block Seminar on Module 1

February 28- March 4, 2022
Novosibirsk SAU

Study trip on Module 1

June 6 – July 4, 2022
University Nuertingen-Geislingen, Germany.

Block Seminar on Module 4

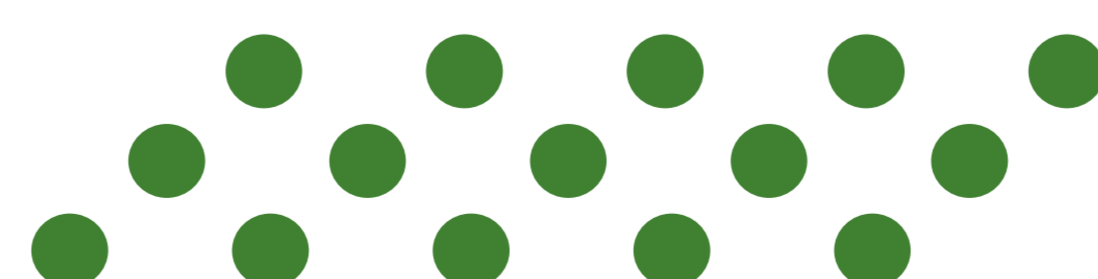
June 27 – July 2, 2022
WKATU

Study trip on Module 4

May 25 – June 6, 2022.
German Research Institute of Tropical and Subtropical Agriculture

Block Seminar on Module 2

June 4 – 10, 2022
A. Baitursynov Kostanai Regional University











Block Seminar on Module 1 "SMART Agriculture and Digitalization"



The 2nd wave of Block Seminars on SAGRIS modules was opened by Module 1 "SMART Agriculture and Digitalization". It was held from February 28 to March 4 2022 at Novosibirsk State Agricultural University. The PhD-students from Russian Universities and Doctoral students from Kazakhstani Universities as well as module developers, teachers and researchers from Russian and Kazakhstani HEIs arrived in Novosibirsk and joined the group offline. European experts took part in the Block Seminar online.



-  Lectures of European scientists 
-  Laboratory works on simulators 
-  Study trips and discussions with practical experts and scientists 
-  SMART agro projects and applying innovations 

Feedback of PhD-students on Block Seminar on Module 1



Yerlan Amir (S. Seifullin KATU): "I have memorized the Block Seminar on Module 1 which was held in Novosibirsk with its update information and scientific and educational burden. Every day was intensive and organized on a very good basis. I would like to mention that the format of the Block Seminar was perfectly organized. Particularly I mean the idea of dividing PhD-students into groups and solving cases announced by the real agricultural enterprise which applies smart farming tools and smart agriculture. This opportunity gave me a chance to collaborate closely with PhD-students from other universities and other countries and this competitive activity required high concentration and active participation of all team members. I express my sincere gratitude to the Block Seminar organizers, hosts and project management for experience and knowledge received, warm welcome and unforgettable expressions. Thank you!"

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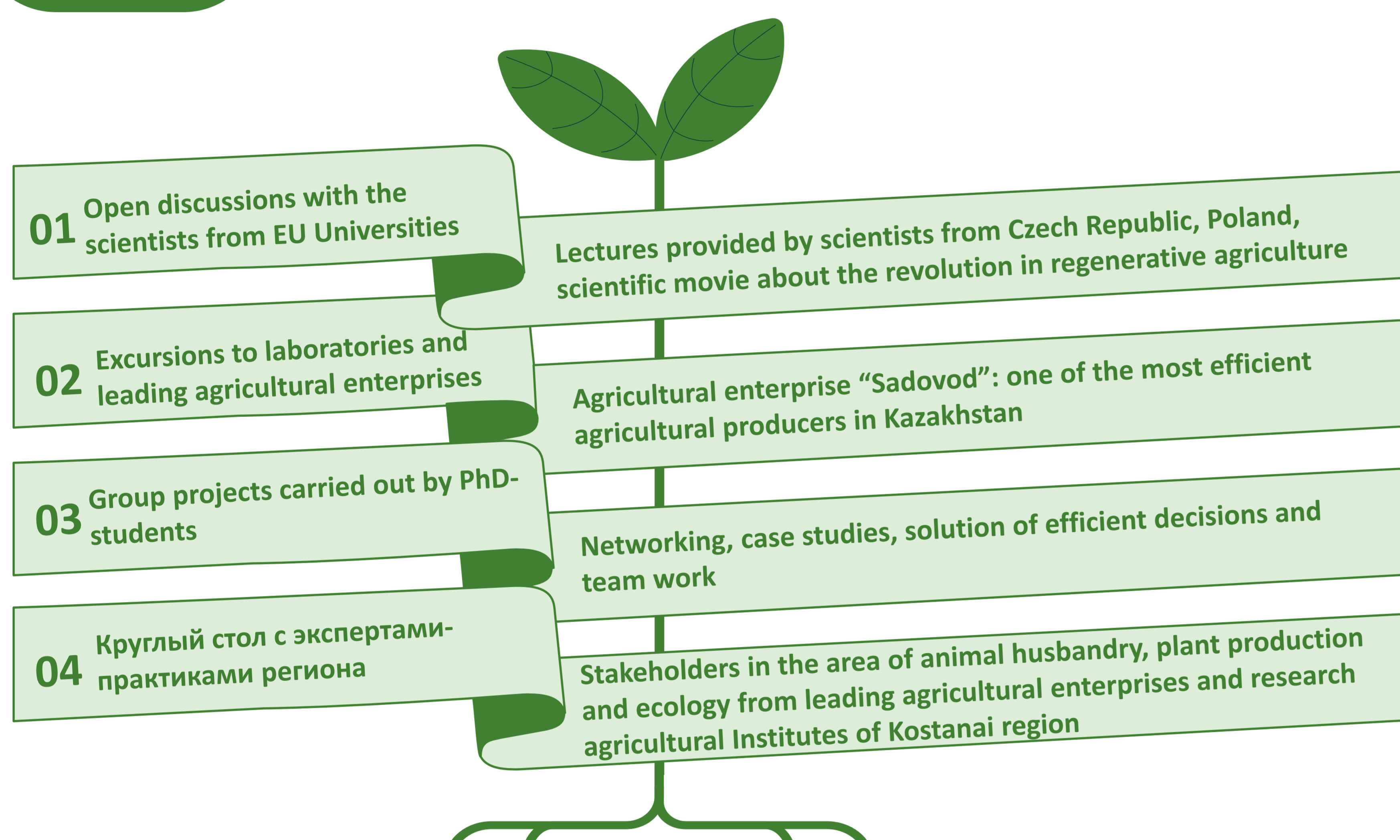


Co-funded by the Erasmus+ Programme of the European Union

Block Seminar on Module 2 “Crop and Livestock Systems under Climate Change”



Block Seminar on Module 2 “Crop and Livestock Systems under Climate Change” was held in A.Baitursynov Kostanai Regional University on June 6-10, 2022. This Block Seminar united PhD-students and teachers from Kazakhstani Universities. The scientists and experts from the European Union Universities joined the seminar online.



Feedback of PhD-students on Block Seminar on Module 1



Aida Dukeeva (WKATU): “This Block Seminar has become a brilliant opportunity to meet the practical experts, employers, agricultural producer from Kostanai region. They shared their experience, demonstrated how new and innovative technologies are applied on practice while solving environmental problems in crop and livestock systems. I have received much useful and advanced information and data for my PhD-thesis. For that I am grateful to the hosts and Block Seminar organizers and SAGRIS project.



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Block Seminar on Module 4 “Transdisciplinary Research Methods for Sustainable Agriculture”



Block Seminar on Module 4 was held from June 27 to July 2, 2022 at Zhangir Khan West-Kazakhstan Agrarian-Technical University. Doctoral students and teachers from Kazakhstani Universities arrived at the hosting University where they had intensive training on transdisciplinary approaches for sustainable agriculture and investigated European experience on implementation of transdisciplinary projects.



Lectures of European scientists

Participative video

Practical excursions to agricultural enterprises

Trainings and workshops

Feedback of PhD-students on Block Seminar on Module 4



Aigerim Kozhayeva (WKATU): “Block Seminar was arranged on a high level, we got familiar with the problems that farmers face on practice in different regions of the country. Presentations of European and Kazakhstani scientists were very informative and perfectly visualized. We have studied how to use and apply participatory approaches and research methods. We have known how to use them on practice in agriculture. We attended University’s laboratories and veterinary clinic.”

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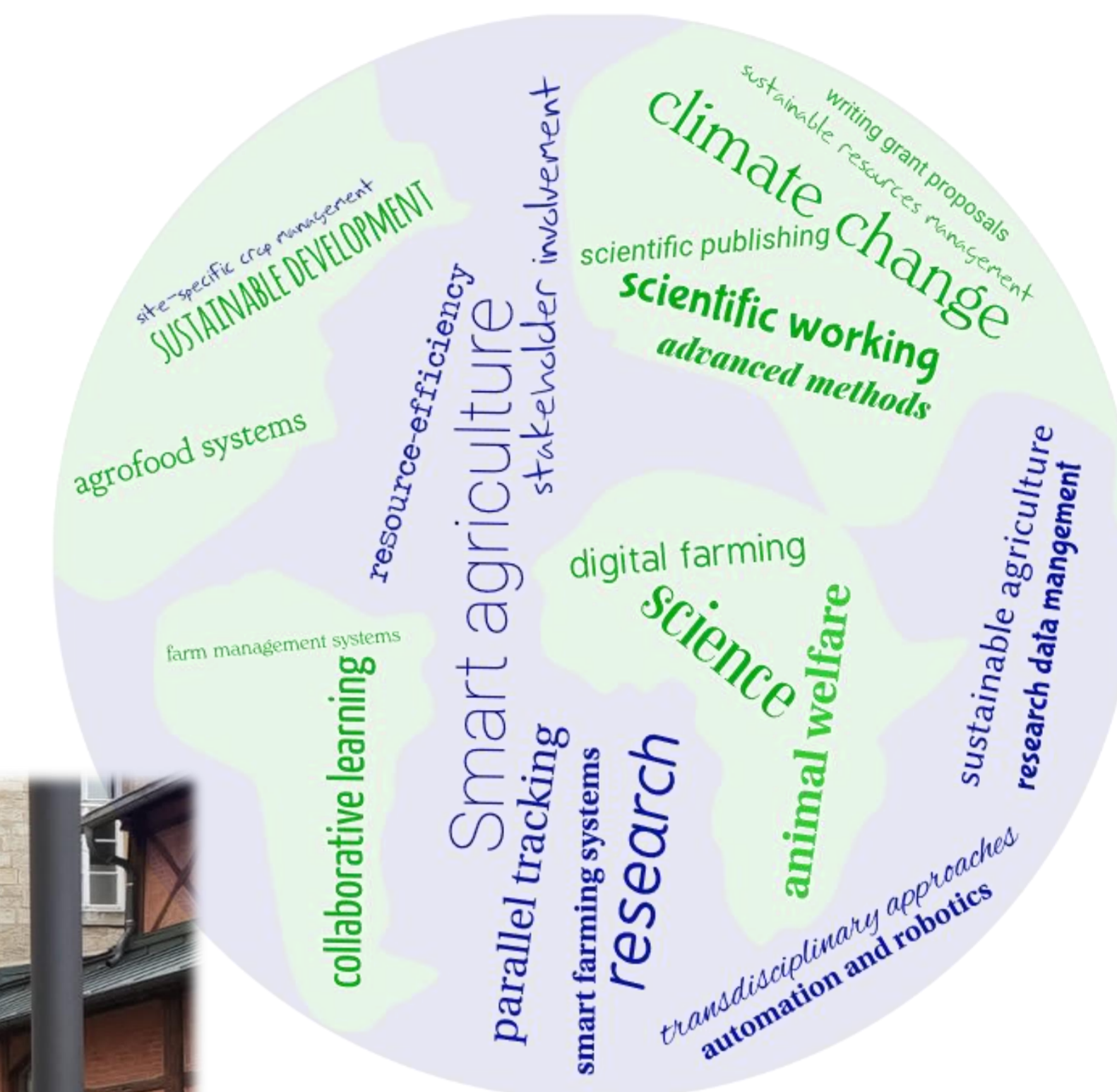


Co-funded by the Erasmus+ Programme of the European Union

Study trip on Module 1 "SMART Agriculture and Digitalization"



The study trip on Module 1 "SMART Agriculture and Digitalization" took place at Nuertingen-Geislingen University from June 20 to July 3. This University hosted Doctoral students and teachers from Kazakhstani Universities where during two weeks they had intensive training and got familiar with digital technologies in agriculture of Germany, regional projects on agricultural digitalization in Baden-Wuerttemberg as well as research on smart farming and digitalization.



Doctoral students and teachers participated in DiWenkla Day where new ideas on digital technologies application were represented.



- ✓ Excursion to the agricultural center of cattle breeding (LAZBW): dairy farm, innovative technologies of milking and milking technologies.
- ✓ Fodder drying plant Lamerdingen: supply of feed for farmers and specialty stores in the region, all stages of feed production are carried out, from harvesting to storage of feed.
- ✓ Johannes Zell's agricultural enterprise: processing local oilseeds into edible oils, flour, and seeds.
- ✓ Drehers Erlebnishof farm: climate change challenges and its impact on sustainable agriculture.

Round tables, discussions and presentations of teaching units by module developers from Kazakhstan and Germany.



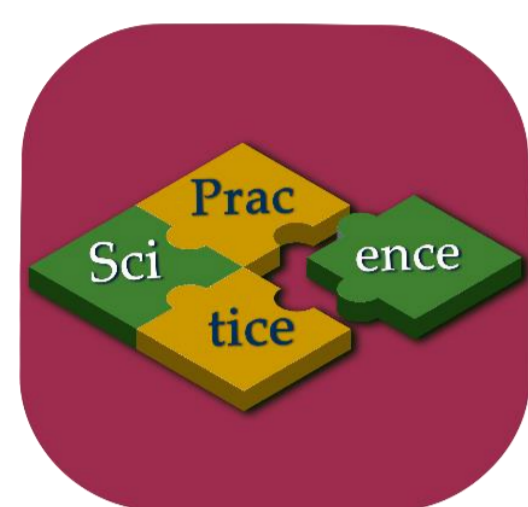
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Study trip on Module 4 "Transdisciplinary research methods for sustainable agriculture"



From May 11 to May 20, 2022, a study trip to the German Institute for Tropical and Subtropical Agriculture in Witzenhausen (DITSL GmbH Witzenhausen) took place. The trip was attended by teachers of Kazakhstani universities-partners in the SAGRIS project, developing Module 4 "Transdisciplinary methods for sustainable agriculture".

11-20
May 2022



European researchers reviewed the projects related solving the problems in agriculture on the basis of transdisciplinary methods.



Excursions and familiarization with:

- ✓ project «Sheep create a landscape»;
- ✓ agricultural enterprise Gut Agrar Natura GmbH;
- ✓ dairy farms Siebert and Birkengrund;
- ✓ farm Drehers Erlebnishof: climate change and its impact on sustainable agriculture.

Studied and explored:

- ✓ Project results on the Cultural Landscape of Hohenlohe;
- ✓ Multifactorial cooperation in dairy farming in Kenya;
- ✓ Transdisciplinary projects in the EU.

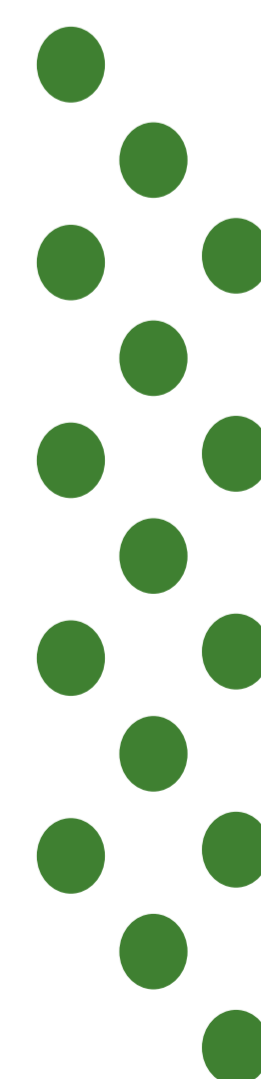


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-  **Ministry of Agriculture of the Republic of Kazakhstan**

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