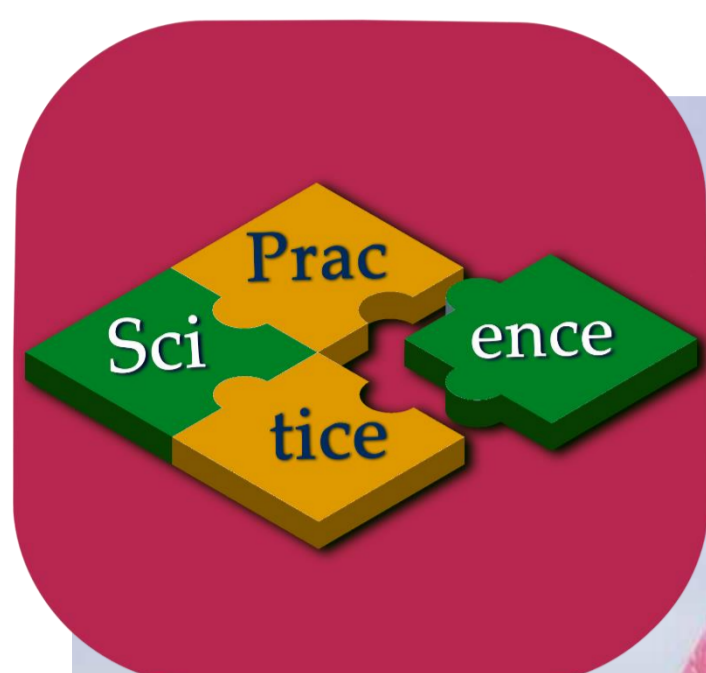


### Module 4

## «Transdisciplinary methods for sustainable agriculture»



In this module students learn how innovations addressing complex problems of agricultural and food systems can be developed jointly with the stakeholders of society by using a transdisciplinary research approach.

### Key concepts

- Transdisciplinary approach
- Concepts of sustainable development
- Systems approach
- Stakeholder analysis
- Activity and knowledge analysis
- Integration and co-creation of knowledge
- Participatory methods
- Interviews and visual methods

### Joint module development

2020

- interuniversity working group started
- Module syllabi was defined

2021

- Training materials were developed
- Test of educational materials
- 1st block seminar at ASAU (Yakutsk)
- Toolbox for lecturers compiled
- Software purchase completed

2022

- 2nd block seminar at WKATU (Uralsk)
- External evaluation of the module
- Studytrip to Witzenhausen and revision of content
- Inclusion of the module in the curricula of universities in Russia and Kazakhstan

25 developers participated

23 topics are included

46 educational presentations are prepared

### Block seminar 1

#### Module leaders



**Brigitte Kaufmann**  
Professor Dr.  
German Institute for Tropical and Subtropical Agriculture, Germany



**Angelika Thomas**  
Dr. sc. agr.,  
Nuertingen-Geislingen University, Germany



**Marianna Teryutina**  
Associate Professor, Candidate of Economics, Arctic State Agrotechnological University, Russia



**Irina Bogdashkina**  
Candidate of Pedagogical Sciences, Zhangir Khan West Kazakhstan Agrarian-Technical University, Kazakhstan



October 25-29, 2021, Arctic State Agrotechnological University, Yakutsk, Republic of Sakha (Yakutia), Russia

#### Key reports:

**Mikhail Mironov**, Head of scientific support of production Joint Stock Company "Agroholding Tuimaada", Russia  
**Ruslan Ibatov**, Head of the farm West KazAgro, Terektinsky district, Kazakhstan

**Workshop** with postgraduates and doctoral students on the development of practical skills in organizing interviews through participatory videos in transdisciplinary research:  
**Lillian Beck**, German Institute for Tropical and Subtropical Agriculture, Germany

**Excursion** to Taastaakh village, Namsky ulus, to visit the cattle breeding complex of "Yakutsk Cattle", the gene pool enterprise of the Republic of Sakha (Yakutia)



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