SAGRIS

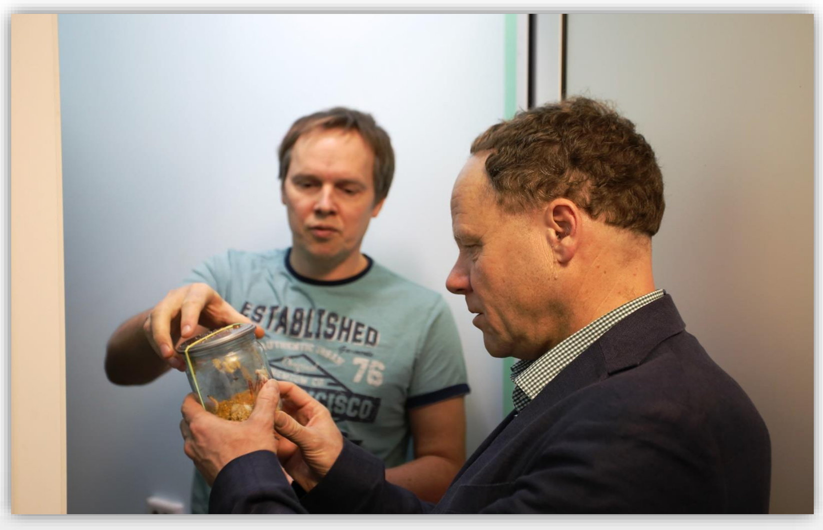
Capacity building in Higher education

Enhancement of Postgraduate Studies on **S**ustainable **Agri**culture and Future Farming **S**ystems

SAGRIS Modules

- 4 innovative modules for the third cycle education;
- designed in line with European quality standards;
- have specific and unique learning outcomes;
- based on student centered approach



Module 1. «SMART agriculture and digitalization».

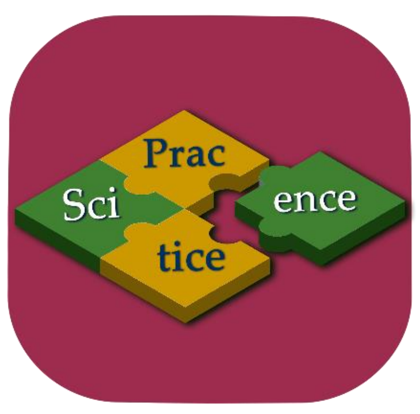
1. Resource-efficient approaches for sustainable agriculture.
2. ICT based technologies in agriculture and smart farming techniques.
3. Farm management information systems.
4. Precision agriculture (crop farming and livestock breeding).
5. Agricultural automation and robotics.

Module 2. «Crop and livestock systems under the climate change».

1. Climate change impact on agricultural production systems.
2. Climate change effects on food security.
3. Sustainable resources management (water, ecosystems, land management).
4. Environmentally friendly crop production (healthy agricultural products).
5. Sustainable livestock systems and animal welfare.

Module 3. «Advanced methods of scientific working».

1. Research data management.
2. Scientific publishing, incl. methods of literature research.
3. Advanced statistical methods.
4. Target group oriented presentations.
5. Writing grant proposal.
6. Project and time management.



Module 4. «Transdisciplinary research methods for sustainable agriculture».

1. Introduction to the concept of sustainable development in agriculture and food systems.
2. Systems approach: conceptual and theoretical foundations of the socio-ecological system and human activity systems.
3. Participatory and qualitative methods of transdisciplinary research.

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HfWU Nuertingen-Geislingen University

Project coordination:
Nuertingen-Geislingen University
Neckarsteige 6–10, D-72622 Nürtingen | www.hfwu.de

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