

Experiences of pilot testing and  
learning materials in Széchenyi  
István University, Veres Péter  
Agricultural and Food  
Technology, Technical and  
Vocational School

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▶ The aim of the course:

- ▶ Introducing regenerative agricultural practices and principles of environmental protection
- ▶ Active participation of students in the lessons
- ▶ Assessing the course.

▶ Timeline of the program:

- ▶ The course took place between May and September of 2024,
- ▶ Using materials chosen from university curricula adapted for secondary school students.

# Participants and target group

- ▶ 50 students participated
- ▶ Forms 9 to 11
- ▶ All of them with agricultural technician and Farmer vocational specialization.



# Preparation process

- ▶ Selecting relevant topics from university materials for secondary school students,
- ▶ Adapting selected materials,
- ▶ Translating revised topics into Hungarian language,
- ▶ Summarizing and translating explanations and notes for slides,
- ▶ Creating pilot lesson plans,
- ▶ Preparing knowledge assessment questions for each module,
- ▶ Developing forms to document the course.

# Selected topics

- ▶ 1. Definition of Regenerative Agriculture and Holistic Approach
- ▶ 2. Integrated Technologies for Enhancing Soil Cultivation and Smart Farming
- ▶ 3. Reduction of Greenhouse Gas Emissions
- ▶ 4. Integrated Pest Management
- ▶ 5. Visiting a Demonstration Farming Facility with Regenerative Agricultural Approach



# Lessons

- ▶ 90 minutes (two teaching sessions) long,
- ▶ Methods of teaching:
  - ▶ Lecture on new concepts,
  - ▶ Group work,
  - ▶ Discussion,
  - ▶ Finding practical examples,
  - ▶ Debate.
- ▶ Visiting a demonstration farming facility



# Feedback and evaluation

- ▶ Questionnaires following the topics,
- ▶ Verbal summary of students' experience and opinions,
- ▶ Surveys pre- and post-course:
  - ▶ Environmental awareness,
  - ▶ Learning methods,
  - ▶ Prior knowledge,
  - ▶ Knowledge gained during the course,
  - ▶ Fields of interest,
  - ▶ Satisfaction with the course.



# Results from Feedback

- ▶ Post-Topic questionnaire
  - ▶ Most challenging topic: "Definition of Regenerative Agriculture and Holistic Approach"
  - ▶ Most appreciated topic: "Integrated Pest Management"
- ▶ Pre- and Post-Course Survey
  - ▶ Demand for sustainability,
  - ▶ Old and new teaching methods,
  - ▶ Practical experience,
  - ▶ Ecological and regenerative agriculture,
  - ▶ Biodiversity,
  - ▶ Course organization



# Conclusions

- ▶ The course was successful in meeting its goals
  - ▶ Students liked it
  - ▶ They gained more extensive knowledge,
  - ▶ Their approach and attitude changed.
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- ▶ Future courses
  - ▶ Consequences

Thank you for Your  
attention!