



AgriTech Solutions: Innovating VET for Sustainable Agriculture
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2024-1-RS01-KA210-VET-000244168

REPORT

From the implementation of activity

3.3. Presentation of student projects at a transnational event

Background

Within the framework of the AgriTech Solutions project: Innovative VET for Sustainable Agriculture with project number 2024-1-RS01-KA210-VET-000244168, funded by the Erasmus + program of the European Union, the activity **3.3. Presentation of student projects at transnational event.**

The main objective of this project is to advance vocational education and training (VET) in sustainable agriculture through the introduction of project-based learning (PBL), focusing on sustainable and technologically advanced agricultural practices, inclusiveness and accessibility for all students. This project seeks to combine theoretical knowledge with practical applications, thus equipping students with the necessary skills to address contemporary agricultural challenges.

Purpose of the activity

The transnational event aimed to showcase student-led projects to a wider audience, including stakeholders from both Serbia and North Macedonia, encouraging cross-border cooperation and knowledge exchange.

Presentation of student projects at a transnational event is organized in the period from December 12-14, 2025 at the "St. Trifun" High School with the student's home Aleksandrovac, Serbia. The transnational event is attended by stakeholders - students, teachers, industry professionals and policy makers from Serbia and North Macedonia. This event facilitated the exchange of ideas, best practices and potential partnerships between stakeholders and succeeded in fostering transnational cooperation and networking.

Target group

The target group included several key stakeholders and users:

Primary participants

- Vocational education and training students
- Educators trained in PBL

Secondary participants

- Stakeholders from Serbia and North Macedonia (education authorities, professionals from



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industry and other relevant stakeholders). **Users**

Students and educators in the wider vocational education and training community: Agricultural sector

Educational policy makers and institutions

The event was attended by more than 100 visitors from North Macedonia and Serbia.

Activity description

This activity provided a presentation of 10 student-led projects developed, each addressing specific challenges in the agricultural sector. These projects incorporate sustainable practices, precision agriculture, and digital technologies, demonstrating students' ability to apply their learning to creating solutions to real-world problems.

Through this activity, students have shown increased engagement in their education, driven by the opportunity to work on meaningful real-world projects. Problem-solving skills, teamwork, project management, and technical competencies specific to agriculture have improved significantly.

Educators who lead student projects as mentors have been able to solidify their expertise in project-based learning methodologies. Their successful mentoring in this activity serves as a practical application of their PBL training, advancing their pedagogical skills and confidence in facilitating student-led learning.

Agenda for the transnational event

12.Dec. 2025 Arrival and accommodation	
Agenda December 12, 2025	
15:00-15:30	Participant registration
Opening of the transnational event and welcome	
15:30- 16:30	Address of Mr. Branko Rajcic - President of the Association of Secondary Schools in the Field of Agriculture, Production and Food Processing Address by Mr. Igor Nikolov – President of the Association of Secondary Schools Terra Fiton Animal Opening of the transnational event – Mr. Branko Rajčij and Mr. Igor Nikolov
17:00- 17:30	Project-Based Learning – Mr. Branko Aleksovski
17:30- 18:00	Determining the order of competitors – President of the project evaluation committee
18:00	Dinner
Agenda December 13, 2025	
08:30-09:00	Participant registration



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Presentation of the projects	
09:00- 14:00	Presentation of the projects – Project Evaluation Committee Presentation - Each project will be given 20-30 minutes to present their project.
14:00-15:00	Lunch
16:30- 18:00	Socializing of participants and exchange of experiences Summing up the results of the commission Meeting of the two secondary school associations
18:00	Announcement of results Awarding of awards and recognitions Dinner
14.Dec. 2025 Departure of participants	

The following projects were presented:

Serial number	School name	Place of origin	Topic they participated in
1.	Agricultural - forestry school Josif Panjić	Surdulica, R Serbia	Use solar panels for heating the greenhouse of agricultural economies - forestry school "Josif panjić".
2.	Orde Chopela High School	Prilep, Republic of Macedonia	Organic production Protecting the vine from the grape moth
3.	SOD Dimitar Vlahov Strumica, Republic of Macedonia		To help develop the local market for agricultural products in the Strumica region
4.	Agricultural school Šumatovac	Aleksinac, R Serbia	Use of new technologies u agriculture - "Use of hydroponics in horticulture"
5.	Agricultural school Radosh Jovanovic Seljan	Prokuplje, Republic of Serbia	Let's help our school u sell our products in Toplich district
6.	Kocho Racin High School	St. Nicholas, Republic of Macedonia	My garden - my table How to get healthy and safe food in your own backyard?



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7. DSU- regional center for professional education and training "Kiro Burnaz" 8. Secondary school "Sveti Trifun" is home the student	Kumanovo, Republic of Macedonia	Let's talk to the soil – digital mapping of fertility
9. Poljoprivredna – chemical school dr Ćorĳe Radiĳ	Kraljevo, Republic of Serbia	Organic production microbial How different substrates affect the growth and development of microbes?
10. State secondary school school – regional Vocational Education and Training Center "Mosha Pijade"	Tetovo, Republic of Macedonia	Precision farming Application of advanced technology in order to reduce cost production alfalfa and simultaneously obtaining high, reliable and ecologically acceptable the yield How to create renewable energy sources through agricultural production

The presentation of the projects took place according to the school schedule obtained by drawing lots the previous day.

The projects were presented to a student-led project evaluation committee focused on innovative solutions in agriculture, consisting of:

- **Branko Aleksovski** - President of the Commission - Consultant in the project, RS Macedonia
- **Sasha Raĳkoviĳ** – member of the committee – Agronomic Consulting Service, R Serbia
- **Radomir Bushatovic** – member of the commission – Agricultural Advisory Service, Republic of Serbia



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- **Sonja Slavkovic** – member of the commission – Center for the Development of Vocational Education and Training, Republic of Macedonia
- **Nenad Andrejic** – member of the commission – Municipal Administration Aleksandrovac, R Serbia
- **Mirjana Hristovska** – member of the committee – Secondary School "Tsar Samoil", Republic of Macedonia

After the completion of all presentations, the Commission proceeded to individually evaluate each project according to previously established criteria: **innovation, applicability of the solution, quality of the presentation and teamwork.**

The members of the committee emphasized that:

- All teams showed a high level of preparedness and creativity.
- The projects offer real solutions to current challenges in agriculture in both countries.
- Digitalization and the ecological approach were particularly highlighted in most solutions.

5. Results and rankings:

Based on the aggregate scores of all committee members, the following was determined:
 ranking:

Serial number	School	Written part	Practical part - presentation	Total
1.	Agricultural and forestry school Josif Panjić Surdulica	64	22	86
2.	SOU Orde Chopela - Prilep	67	24	91
3.	SCHOOL Dimitar Vlahov - Strumica	71	24	95
4.	Agricultural School Šumatovac - Aleksinac	69	21	90
5.	Agricultural school Radosh Jovanovic Seljan - Prokuplje	70	22	92
6.	Kocho Racin High School – St. Nikole	74	24	98



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7. DSU - Regional Center for Vocational Education and Training "Kiro Burnaz" - Kumanovo	70	23	93
8. Secondary school "Sveti Trifun" is home of the student - Aleksandrovac	73	24	97
9. Agricultural - chemical school dr ĽorĽe RadiĽ - Kraljevo	72	24	96
10. State Secondary School - Regional Center for Vocational Education and Training "Mosha Pijade" - Tetovo	68	24	92

- **First place: Secondary School "Kocho Racin" Sveti Nikole**
- **Second place: "Sveti Trifun" secondary school, home of the student, Aleksandrovac**
- **Third place: Poljoprivedna - Chemistry School "Dr. ĽorĽe RadiĽ", Kraljevo**

The Central Committee is proud to state that the project objectives have been fully met. These young innovators have proven that agriculture is no longer just a traditional branch, but a modern field of engineering and creativity. Their enthusiasm and the expertise of their mentors are the strongest guarantee that the path to sustainable agriculture has already been paved.

With this event, AgriTech Solutions set a new standard for what modern vocational education should look like – innovative, connected, and future-oriented.

The event ended with a joint gathering and awarding of awards.

The report was prepared by

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