



**MINISTERUL EDUCAȚIEI
LICEUL TEHNOLOGIC NR.1 VALEA LUI MIHAI**



ROMANIA



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Cooperation for innovation and the exchange of good practices KA202
Strategic Partnerships for vocational education and training
KA2 Strategic Partnership Project for Exchange of Good Practices
“Innovative agricultural techniques to boost entrepreneurial skills of future farmers”
Project Acronym “Farmers for future”,
reference number 2020-1-IT01-KA202-008505,
organized by LICEUL TEHNOLOGIC NR.1, VALEA LUI MIHAI , ROMANIA,
from 26th to 30th of September 2022 (working dates).

During the week from 26th to 30th of September 2022 was organized in Valea lui Mihai, Romania, the C3 LTT by Liceul Tehnologic Nr. 1, Valea lui Mihai, with the physical participation of 21 students from Italy, Greece, Finland, Portugal and their accompanying teachers, in total 8 teachers. Lithuanian partner school connected online with us.

Hosting country participated with a team of 4 teachers.

The aim of this mobility was to work on an international basis on **Module 3: What is innovation in agriculture and animal farming?**

For this reason, international collaboration and exchange of knowledge and practices took part on the following fields:

1. Innovation where it takes place
2. Visit to innovative farms
3. Work experience in the farms
4. Report of the experiences (oral, written, videos, pictures)
5. Working in the school farms and implementation of the school projects
6. Report of the experiences (oral, written, videos, pictures) Description of the activities: These activities will be carried out outside and in the host school labs.

Day 1, 26th of September:

The members of delegations visited several farms: the sturgeon farm from Santăul Mic, where the technological flow of obtaining black roe from this catfish species was presented.

At the nearby Gavella SRL fish farm, the participants had the opportunity to see the pre-development hall with a water recirculation system, the processing hall, equipped with a caviar laboratory, the filleting, freezing, refrigeration and quick freezing room, as well as the lake with floating ponds. Those present tasted the farm's premium products: niger caviar, cega and morun, smoked filet obtained according to its own recipe.

Day 2, 27th of September:

Visits were made to different agricultural farms where the students talked with farmers about the business in agriculture and innovative techniques in agricultural practice: the use of drones, the gypsies that replace the work of the agricultural mechanic

At S.C. Valea Gănaşului located in the town of Valea lui Mihai, modern agricultural machinery was presented, equipped with GPS, which allows the synchronization of the position of agricultural machines. The students were also shown the drones used to monitor the evolution of crops in different technological stages, as well as for different maintenance works: fertilization, weed control, phytosanitary treatments. On the same day, the students' presentations on robotics in agriculture and the specific experience of each partner country in this field took place.

Day 3, 28th of September:

A visit to the natural reserve of Băile Felix was made, where the members of delegations could see protected species as water lilies, lotus flowers, exotic fish. Also an educational trail was made in order to observe the floristic composition of Băile Felix area.

Another visit was made at the Partium Christian University that continues the centuries-old tradition of Transylvanian Hungarian university education. It is the first independent, accredited university of Transylvanian Hungarians since the changes in 1989.

Day 4, 29th of September:

A trip was made to Vadu Crişului Cave (Waterfall Cave, Zichy Cave) which is located in the center of Crişului Repede Gorge and is crossed by a stream that forms a spectacular waterfall after exiting. It was discovered by Karl Handl. The cave itself is a natural monument that was first opened for visitors, in 1905. This visit was the perfect frame for developing ideas of agricultural and animal farming business. Interviews and feed-backs about the activities were made. The report was completed by considering the feedback of the participants to the carried out activities.

Day 5, 30th of September:

At the S.C. Sadelli Prodcum farm in Biharia, those present observed the technology for the production of dry Traminer roz, Pinot Gris, Feteasca Regala, Merlot, Cabernet Sauvignon wines, obtained from the cultivation of the 40 ha of vineyards it owns. They were presented: the rooms and the production tanks, the quality analysis laboratory equipped according to the latest standards. The packaging and storage rooms were visited, the students being impressed by the complexity of the technology.

On the same week cultural trips were made to different locations: Black Eagle Palace, The Town Hall Tower, Ortodox Moon Church, the fortress of Oradea, the castle from Otomani village etc.

The methodology used for the LTT: learning by experiencing, learning by doing, cooperative learning, brainstorming. All expected results were achieved: -improvement of basic skills: numeracy (data analysis) and literacy (reports and presentations) -improvement of digital skills (creation of dedicated web site and eTwinning pages) -improvement of foreign language skills -improvement of the level of inclusion of disadvantaged students and their self confidence -improvement of entrepreneurial skills and life skills like creativity and problem solving abilities.

Europasses were created and delivered to all participants from sending organizations.



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