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1

## STRATEGY FOR VOCATIONAL EDUCATION (AGRI-FOOD INDUSTRY)

### WITHIN THE ERASMUS + PROJECT „AGROPLUS”



PERFECT PROJECT



HumaCapiAct



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**„AGROPLUS” (2020-1-PL01-KA202-081540)**

**Project Leader:** Perfect Project Sp. z o.o. (Poland)

**Project Partners:**

Vilniaus agroekologijos mokymo centras (Lithuania)

HumaCapiAct (Italy)

[www.perfect-project.eu](http://www.perfect-project.eu)  
[agroplus.project@gmail.com](mailto:agroplus.project@gmail.com)



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2

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Białystok, 2022

Authors:

Perfect Project Sp. z o.o. (Poland)

Humacapiact srls (Italy)

Vilniaus agroekologijos mokymo centras (Lithuania)

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3

## **Summary of the project works:**

Project period 01/12/2020 – 30/11/2022

Project consortium:

Perfect Project Sp. z o.o., Bialystok, Poland

Vilniaus agroekologijos mokymo centras, Baltosios Vokės, Lithuania

HumaCapiAct, Turin, Italy

Our Key Action 2 project was developed to bring the results of vocational training in agri-food industry to the needs of the labor market within 24 months. The main objective was realized when we reached the following specific objectives:

- increasing the quality and efficiency of vocational education in the agri-food industry in response to current trends,
- developing new skills for practicing educators and equipping them with competences and knowledge necessary to provide high-quality educational services and in response to current trends,
- raising awareness of environmental problems and climate change issues.

## **Works under "AGROPLUS" project were carried out as described in the application schedule. We achieved:**

- ✓ a project team was created and the division of responsibilities in the project was established,
- ✓ the provisions of the financial agreement and annexes as well as the opinion of experts assessing the application were read,
- ✓ agreed internal procedures and material and financial schedule of project implementation were described in the form of tripartite English-language partnership agreement,
- ✓ project risk analysis was carried out,
- ✓ visual identification has been developed (logos, posters, information materials) and a dissemination plan in accordance with Erasmus + Program guidelines,
- ✓ the project website was created: <https://perfect-project.eu/en/erasmus-projects/erasmus-ka2-vet-agroplus/?preview=true> and project channels dissemination on social media,
- ✓ stakeholders were informed about the implementation of the project,
- ✓ regulations for the recruitment of participants (PL and EN versions) were prepared, considering the appeal procedure and criteria recruitment information on recruitment was disseminated among potential participants in accordance with the principle of equal opportunities for women and men,
- ✓ recruitment documents were prepared (version PL and EN)

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4

- ✓ a protocol confirming the selection of participants has been prepared,
- ✓ a primary and reserve list was created, and participants were informed about the results of recruitment,
- ✓ six international partner meetings were prepared and conducted:
  - First Transnational Project Meeting took place on **11th June 2021 in Białystok**,
  - Second Transnational Project Meeting took place on **26th August 2021 in Baltoji Voke**,
  - Third Transnational Project Meeting took place on **14th October 2021 in Turin**,
  - Fourth Transnational Project Meeting took place on **28th March 2022 in Białystok**,
  - Fifth Transnational Project Meeting took place on **24th May 2022 in Turin**,
  - Sixth Transnational Project Meeting took place on **27th September 2022 in Baltoji Voke**.
- ✓ a report was prepared containing research and analysis about current dietary trends:

One report was created, which is a set of three analyzes (PL, IT, LT) containing research and comparative analysis. The report is a diagnosis of the current situation in each country in the field of vocational education, only in the agri-food industry, with an analysis of proecological trends. The report was prepared in English in a format A4. The preparation time for the report was 12 months, and all the partners are actively preparing it cooperated with entrepreneurs in the industry. The leader of the action was Perfect Project Sp. z o.o., with active participation all partners.

Elements of the report:

1. Food transport, including fruit and vegetables on an example Poland, Lithuania and Italy – introduction, basic definitions.
2. Analysis of the current state of transport organization in the trade of fresh fruit and vegetables on an example Poland, Lithuania and Italy.
3. Size and structure of food logistics, costs, methods of reducing losses in supplies on an example Poland, Lithuania and Italy.
4. Pro-ecological trends in logistics and food transport in agri-food sector on an example companies from Poland and Italy.

Report annexes:

1. Photo documentation.
2. Training program in Italy "Modern pro-ecological trends in food logistics"

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5

- ✓ activities and content related to the implementation of a short training program for employees, i.e., program, dates, were established training, main topics to be covered during the training and logistics issues (accommodation, food, local transport),
- ✓ an industry training entitled Modern pro-ecological trends in food logistics took place in Turin (Italy):

On 23-27 May, 2022 an industry training entitled Modern pro-ecological trends in food logistics took place in Turin (Italy), which was one of the activities of the “AGROPLUS” project implemented under the Erasmus+ Programme.

A total of 18 people participated in the training: 4 teachers from two vocational schools in the Podlaskie Voivodeship, 10 representatives of employers and 4 teachers from a vocational school from Baltoji Voke (Lithuania). The training program included training sessions on “green” and sustainable food transport, a visit to the IIS Galilei Ferrari logistics vocational school in Turin, as well as visits to two companies working in the logistics industry – SITO INTERPORTO TORINO and OSCALITO.

The participants of the training got acquainted with selected aspects of transport safety and food logistics, legal regulations in force in this area in Italy, the role of packaging in trade in goods. The conditions for the proper transport of food have been characterized. The obligations of manufacturers and distributors of materials and articles intended to come into contact with food and the experience of the main food distributors in the Piedmont region were discussed.

It was a very successful and fruitful time in many professional experiences. Participants of the training returned with their heads full of ideas and inspiration in the field of sustainable transport and greater environmental awareness. Participants have updated their knowledge of modern pro-ecological trends in food logistics and have the opportunity to put knowledge and experience into practice to maintain the sustainability of the project and its results.

All participants, mentioned above, have formal relation with Perfect Project as the sending institution in the form of contracts concluded in years preceding project activities. At the same time, these people are also employees’ vocational schools or enterprises from the voivodeship Podlasie also formally cooperating with Perfect Project Sp. z o.o. based on civil law agreements or cooperation. Also, one of the criteria for participating in the project was a formal link with the sending institution (Perfect Project) indicated in the Regulations on the recruitment of teachers

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6

and entrepreneurs, and participation in the "AGROPLUS" project and declarations participation (document templates are available on the project website). The training was conducted in English by experts of HumaCapiAct, i.e. Partner Project. Training consisted of the following elements: 5 days of practical training for approximately 8 hours daily, i.e., 40 hours of practical workshops and study visits. Detailed thematic scope of the course and the training program has been published on the project website.

Participation in training was a milestone in the project. All actions taken before the training allowed refresh teachers and entrepreneurs and collect theoretical data about logistic of fresh products. Then participation in the training, conducted in practical form, with strong commitment participants, was key to further implementing the project results. Results and benefits of participation in training in terms of achieving project goals:

- updating knowledge on modern pro-ecological trends in food logistics and introducing knowledge and experience to the school curriculum and practice in the company, affecting the development of new skills in already practicing educators and equipping them with the competence and knowledge necessary to provide high-quality educational services and in responses to current trends,
- development of creativity of teachers and entrepreneurs in the context of improving the quality and effectiveness of vocational education in the agricultural sector in response to current trends,
- increasing the social mission in the field of promotion of vocational education corresponding to the needs of European employers and a healthy lifestyle,
- updating knowledge about:
  - the current state of organization of transport in fresh fruit and vegetables, the type and possibility of food contamination during transport and methods of their elimination,
  - transport of food products - requirements for authorization to transport food products, means of transport,
  - size and structure of logistics costs,
  - ways to reduce losses in deliveries and minimize transport costs,
  - pro-ecological trends and changes in logistics and food transport,

The training was carried out in accordance with assumptions planned in the application.

Participants were provided with travel from headquarters sending institution to the receiving institution under the Travel category, as well as accommodation, meals, pocket money as part of the category Individual support. The document confirming the trip and individual

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support is confirmation of participation in form of a certificate signed by the receiving organization giving the name and participant's name, purpose, as well as start and end dates. Documents are available in the Project Office.

Implementation process is in progress - teachers and entrepreneurs participating in the training in Turin implement the effects education obtained at the training in the form of incorporating elements of the course into classes at school / in the company structures. Activities disseminating the results planned at this stage of the project implementation were carried out, and examples of dissemination activities were collected on an ongoing basis.

**The partnership fulfills the following indicators measuring the success of the project:**

- 1) Number of vocational education schools supported under the project: 5 (100% of schools cooperating with PP in the project area)
- 2) Number of vocational training schools that cooperated with enterprises in the development of project results: 5 (as above)
- 3) Number of enterprises that cooperated with vocational education schools in the development of project results: 6
- 4) Number of teachers in vocational training schools who received support under the project: 10 (100% of teachers participating in the short program training)
- 5) Number of entrepreneurs who received support under the project: 8 (from companies cooperating with PP participating in a short training program)
- 6) Number of educational institutions where recommendations of project team members were implemented as a result of participation in the project: 5
- 7) Number of institutions interested in using the contents of the report and recommendations: 4
- 8) Number of entrepreneurs interested in using the content of the report and recommendations: 10
- 9) Number of countries transferring experience and knowledge: 3
- 10) Presence in the media (articles in the trade press, press releases, interviews, etc.)
- 11) Visibility on social media.
- 12) Participation in public events.

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## Recommendations

8

### **List of undertaken implementation activities (e.g., inclusion of specific contents, elements of the course into school program of teaching or specific lessons etc.)**

1. Implementation of the training content to the following classes on plant production in the profession of a farmer technician, in accordance with the core curriculum: sale of agricultural products, planning marketing activities, selection of distribution channels for products from farms, renewable energy sources in agriculture.
2. Implementation of the training content for the following classes in the profession of an economist technician, in accordance with the core curriculum: logistics and transport and the product distribution department.
3. Preparation of a multimedia presentation on the content of the training for classes with students in the profession of a farmer technician, economist technician.
4. Preparing a multimedia presentation on the content of the training and sharing knowledge with other teachers as part of meetings at the Vocational Subjects Councils.
5. Preparation of a multimedia presentation on the content of the training and sharing knowledge with the company's Management Board and decision-makers. Making the Management Board aware of the need to invest in better, more ecological cars and train drivers in the field of economical driving to reduce CO2 emissions.
6. Promoting the company's customers to increase their share in rail transport.
7. Conversations with customers and contractors promoting sustainable transport and logistics and encouraging to take action to reduce the company's carbon footprint.
8. Conversations with other employees to make aware of the importance of effective planning of transport routes in order to reduce empty runs.
9. Numerous educational activities to increase environmental awareness among customers, associates and friends.
10. Regular discussions with student coming for practical training in a company about latest proecological trends in food logistics. Building of social awareness about environmentally friendly workplace.
11. Sharing all project outcomes via company's and school's social media.
12. Presentation on the pedagogical council of a report, video and photos, other project outcomes, sharing experience about participation in a project in five vocational schools.
13. Preparing a multimedia presentation about Italian cuisine and culture and presenting it for students at school in various professions.
14. Publishing on the school's and company's website information on training in Turin under the project.

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15. Workshops in classes I and II as part of the curriculum in the theoretical part (photo show and discussion of latest proecological trends in food logistics).
16. Practical classes in class II gastronomy profile.
17. Training content was included in the theoretical education program and practical in the subject of gastronomy technology and agrotechician in third grades in five vocational schools.

**<https://perfect-project.eu/en/erasmus-projects/erasmus-ka2-vet-agroplus/?preview=true>**

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