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Erasmus+ GREEN-COM

Green practices and Competences towards the Environmental sustainability Project

KA210-VET - Small-scale partnerships in vocational
education and training

Ref. n° 2021-2-RO01-KA210-VET-000048769

WP3 GREEN PRACTICAL ACTIVITIES

IN CENTRAL REGION (ROMANIA) AND PIEDMONT (ITALY)

Project applied by:





Co-funded by
the European Union

“WP3 PRACTICAL ACTIVITIES – GREEN COM PROJECT” E- BROCHURE

April 2023

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agency (Italy)**

with the support from:

Institutul de Cercetare-Dezvoltare pentru Montanologie Cristian-Sibiu

ASOCIATIA AGROM-RO

Comitato Regionale Pro Loco Piemonte-Unpli Piemonte



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Green practices and Competences towards the Environmental sustainability

Erasmus+ GREEN-COM PROJECT

KA210-VET - Small-scale partnerships in vocational education and training
ID KA210-VET-8CFC2A11



Erasmus+ “Green competences towards the environmental sustainability GREEN – COM”

WP3 Green practical activities

PARTNERSHIP

The Institute of Research Development in Mountain Science Cristian from Sibiu (Applicant) (Romania)

AGROM – RO Association (Romania)

eConsulenza Agency (Italy)

Comitato Regionale Proloco Piemonte (Italy)

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The Erasmus+ GREEN COM project promotes the profits of living in sustainable environments and climate-neutral territories where there are health and social benefits and more employment opportunities in agricultural, environmental, educational, manufactories fields. It supports the development of new competences of the beneficiaries considering specific professional needs, gathering examples of good practice and providing interactive and innovative open resources in green transition.

A common GREEN-COM course, applied in the 2 involved Countries, lasting 40 hours, has been offered to 80 participants, with face-to-face activities and online lessons. The educational and training contents have been prepared by the participating organizations together with experts, academics, trainers, entrepreneurs, businesspersons from the green practices and the circular economy. The learning appointments – WP2 activities - have been organized with different methods, both virtual than in situ also with specific homework, debates, case studies, meetings with experts, videos, slides. The common educational material has been offered in Romanian and Italian languages, according to the countries of origin of the participants.

The project also organized some practical activities for the learners: WP3 action for visiting SMEs, companies, farms, associations or public entities connected with the green topics. Eight specific WP3 Green Visits were organised and offered to learners in the 2 Countries: 4 in Central Region (RO) and 4 Piedmonts (IT) in February/April 2023.

This brochure is the presentation of those experiences.

WP3 ACTIVITIES IN ROMANIA



1. Fermă zootehnică și micro-fabrică de procesare lapte (Noul Român, Sibiu)



2. Pensiune turistică și echitație (Avrig, Sibiu)



3. Ferma și Centrul pentru natură Angofa (Angofa, Mureș)



4. Structura de Economie Sociala Fruleco HNV (Saschiz, Mureș)

Preamble

Institutul de Cercetare-Dezvoltare pentru Montanologie Cristian-Sibiu and Asociația AGROM–RO planned and realized **4 specific Green Visits in Central Region(Sibiu and Mureș County), Romania** in the period March/April 2023.

The WP3 activities' implementation in Romania realized in 2 different days, 4 Visits/meetings (16 hours in total, per Country) had the aim to: • deepen and discuss, on the basis of concrete cases, strategies for the green transition; • the learners had the opportunity to visit some rural places and live real cases; • the participants discovered the attractiveness of natural and rural heritage, with the identification of its identity and green value; • they had the opportunity for the professional and personal growth.

In the WP3- Laboratories and green practical activities activity, the partners organised some practical activities for learners, such as visits to good practice examples of 'green activities' at local/regional level: SMEs, farms, associations from rural areas. The participants heard about the modernisation and the green innovation in situ, from real cases and successful experiences led by SMEs, farms and associations from rural areas. The practical activities gave participants the real dimension of labour market for the green jobs.

Beneficiaries: the promoters offered the possibility to attend the WP3 Visits to eligible participants of WP2 course. A selected group of learners has been identified during and after the course realisation, in March 2023, with more than 10 learners as participants in Romania, combined with other additional participants: some external adults and young people joined them, in the visits.

Realized practical visits were:

- 1. WP3 GREEN STUDY VISIT 1 – LIVESTOCK FARM AND MICRO-MILK PROCESSING PLANT (FERMĂ ZOOTEHNICĂ ȘI MICRO -FABRICĂ DE PROCESARE LAPTE) – NOUL ROMÂN, SIBIU – 18 MARCH 2023**
- 2. WP3 GREEN STUDY VISIT 2 – TOURIST PENSION AND EQUITATION (PENSIUNE TURISTICĂ ȘI ECHITAȚIE) – AVRIG, SIBIU – 18 MARCH 2023**
- 3. WP3 GREEN STUDY VISIT 3 –ANGOFA FARM AND NATURE CENTRE (FERMA ȘI CENTRUL PENTRU NATURĂ ANGOFA) – ANGOFA, MUREȘ – 23 APRIL 2023**
- 4. WP3 GREEN STUDY VISIT 4 – SOCIAL ECONOMY STRUCTURE FRULECO HNV (STRUCTURA DE ECONOMIE SOCIALA FRULECO HNV) – SASCHIZ, MUREȘ – 23 APRIL 2023**

1. WP3 GREEN STUDY VISIT 1 – LIVESTOCK FARM AND MICRO-MILK PROCESSING PLANT (FERMĂ ZOOTEHNICĂ ȘI MICRO-FABRICĂ DE PROCESARE LAPTE) – NOUL ROMÂN, SIBIU

18 March 2023

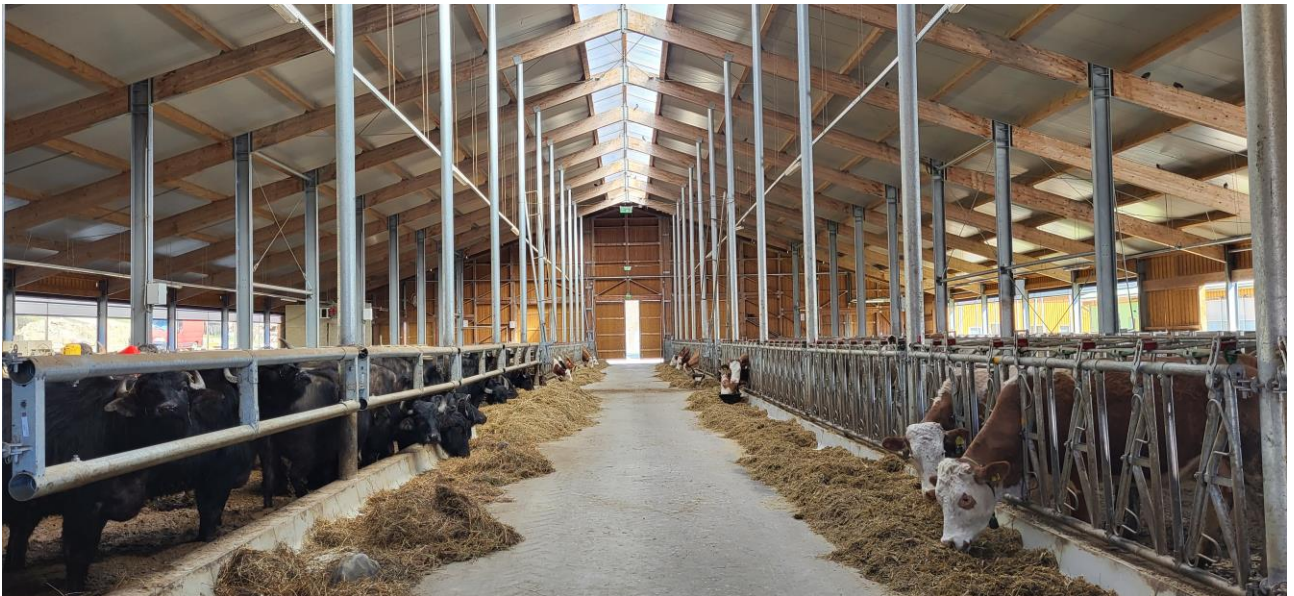
The first study visit was made to a project on "Establishment of mixed livestock farm, milk processing micro-factory in Arpașu de Jos, Sibiu county", in Noua Roman, beneficiary BIOSOB SRL, financed with non-reimbursable European Funds through the National Rural Development Program (PNDR).

The participants in the visit were able to learn about the purpose and objectives of the project and the stages of setting up the farm. The project provides for the establishment of a mixed livestock farm on a free housing system (96 dairy and young cows, 200 goats and 150 sheep) among its objectives being:

- Shelter for dairy cows, breeding and maternity;
- Shelter for milking area and technical premises;
- Shelter for calves;
- Sheep-goat housing, milking area and technical premises;
- Manure platform and tanks;
- Milk processing plant;
- Wastewater treatment plant;

Given that the group of trainees included farmers of different ages and the project was of great interest to the participants, they asked many questions related to the visited objectives.





2. WP3 GREEN STUDY VISIT 2 – TOURIST PENSION AND EQUITATION (PENSIUNE TURISTICĂ ȘI ECHITAȚIE) – AVRIG, SIBIU

18 March 2023

The second study visit took place to a model of good practice in the field of sustainable tourism that attract tourists to discover nature and its miracles through horse rides, activity carried out by the Ghiocelul tourist Complex in Avrig, Sibiu County.

Pension Ghiocelul Avrig Complex, with a tradition of over 20 years in the field of tourism is located at the foot of the Fagaras Mountains, on the bank of Avrig River, away from the noise and crowds of the city.

The host of the guesthouse presented us the activity carried out both as an accommodation and dining unit, as well as as a modern riding center with thoroughbred horses and specialized instructors, which has developed over time and now combines tradition with modern. <https://www.ghiocelul.ro/echitatie>

During the activity, the students witnessed the return of tourists from a ride with the beautiful horses from the center, having around them a fairytale landscape.





3. WP3 GREEN STUDY VISIT 3 – ANGOFA FARM AND NATURE CENTRE (FERMA ȘI CENTRUL PENTRU NATURĂ ANGOFA) – ANGOFA, MUREȘ 23 April 2023

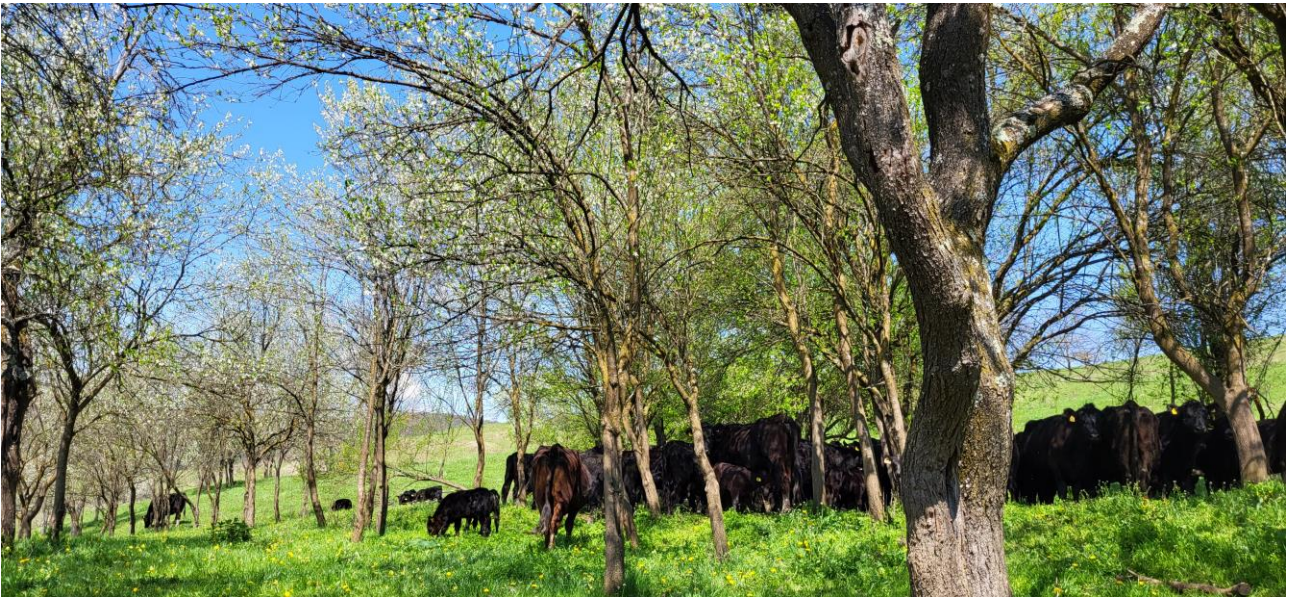
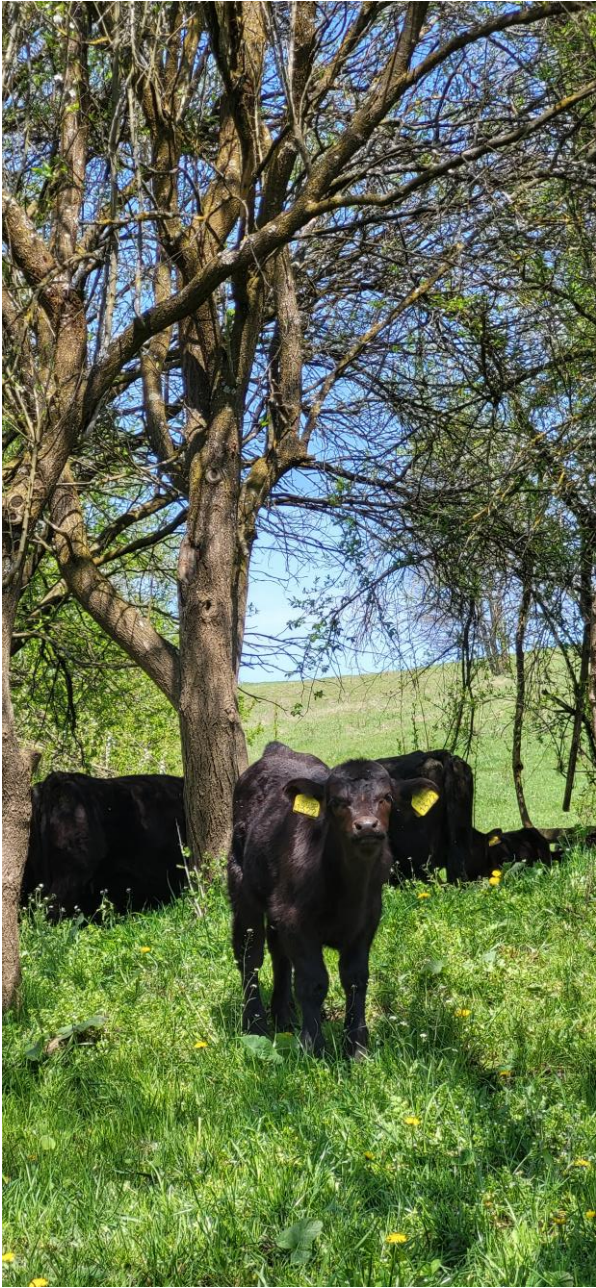
The third study visit took place in Angofa, Mures County, where participants visited and learned about Angofa Farm and Nature Center.

Angofa Model Farm, is a project implemented by Adept Foundation since 2016, through which they want to demonstrate how innovation and new markets can support traditional communities and land management. As a result, concrete actions are being carried out in the Angofa Valley to restore and protect biodiversity, habitats under management, adapted to extensive High Nature Value agriculture. This farm will demonstrate how to maintain landscape features, already endangered habitats, wild-rich grasslands and, at the same time, generate additional income, thus encouraging small farmers to continue traditional farming.

More broadly, the ideas demonstrated at Angofa will be replicated in other villages, helping tens of villages and thousands of farmers earn net income while protecting biodiversity.

<https://fundatia-adept.org/ro/proiecte/ferma-model-din-angofa/>





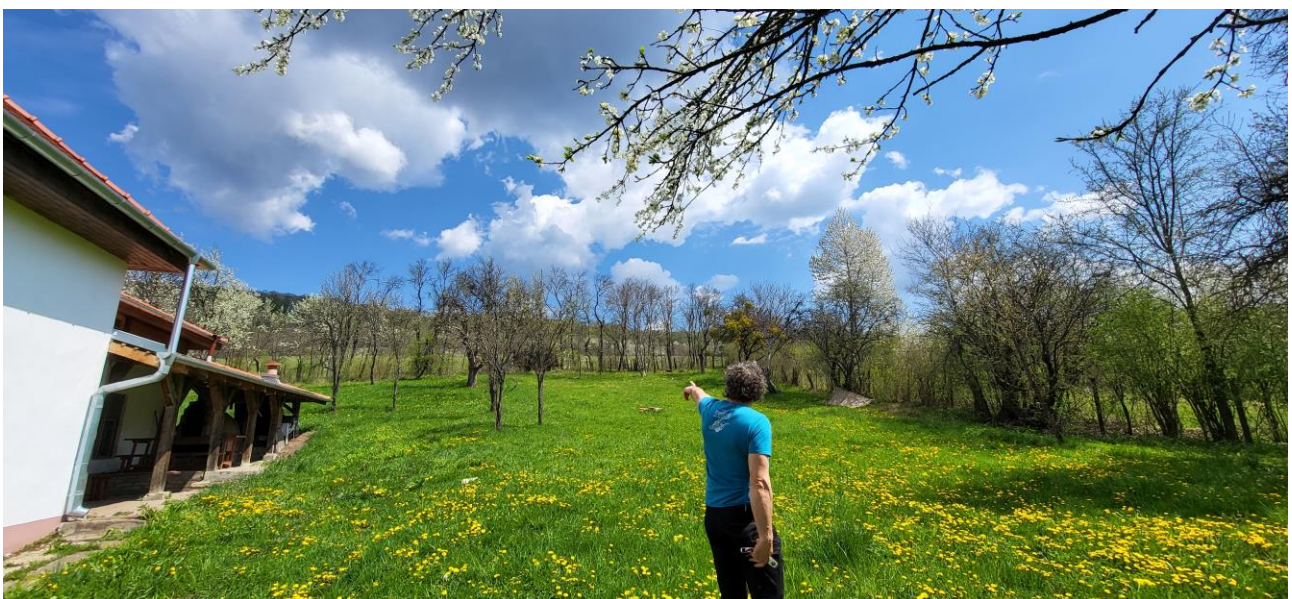
Also in Angofa, in 2017-2018 ADEPT started another project "Angofa Nature Center" to restore the school building to be used as an educational and tourist center and to develop new activities for visitors and research groups, activities that will become profitable and contribute to the financial security of the school in the medium term.

The beneficiaries want the school to become a pilot project for an energy-self-sufficient house.

The educational activities are addressed both to students to provide them with training as guides in nature and for children with visual and hearing impairments to create thematic routes.

The centre also hosts workshops and training sessions for farmers to promote innovative High Nature Value land management practices.

<https://fundatia-adept.org/ro/proiecte/scoala-din-angofa-activitati-educationale-si-impactul-acestora/>



4. WP3 GREEN STUDY VISIT 4 – SOCIAL ECONOMY STRUCTURE FRULECO HNV (STRUCTURA DE ECONOMIE SOCIALA FRULECO HNV) – SASCHIZ, MUREȘ 23 April 2023

During the fourth study visit, participants had the opportunity to get to know a model of social economy structure in the field of processing vegetables and fruits, in Saschiz, Mures County. The entity SES FRULECO HNV located in the vicinity of the UNESCO Monument (Evangelical Church of Saschiz) was established within the project "Social economy - Stimulus of economic development in Bucharest - Ilfov, Center, North West and South Muntenia regions" funded by the Human Resources Development Operational Program 2007-2013.

As a partner in the project, Adept Transilvania Foundation established a social economy structure with the purpose of economic and social development of the communities located in the Sighisoara-Tarnava Mare area. <https://fundatia-adept.org/ro/proiecte/economia-sociala-stimulent-al-dezvoltarii-economice/> During the activity, the Fruleco HNV headquarters was visited, which is arranged and equipped with the necessary equipment for collecting, storing and processing fresh, frozen vegetables and fruits, but also jams, jams and syrups. The building in which the enterprise operates also functions as a regional collection and distribution center at national level.

Since 2015, the social economy structure Fruleco HNV aims to support and be supported by both small local producers and fruit pickers from spontaneous flora. This enterprise represents an economic sector at the border between the private sector (business) and the public sector (government) and is designed to generate innovative solutions to the social, economic and environmental problems of local community members. <https://fundatia-adept.org/ro/proiecte/economia-sociala-stimulent-al-dezvoltarii-economice/>





WP3 ACTIVITIES IN ITALY



1. NOVAMONT (Novara)



2. AGRICOLA AGORA' (Trino
Vercellese)



3. Istituto professionale agrario
"Cavallini" (Lesa - Lago
Maggiore)



4. ECOMUSEO DELLA PIETRA DA
CANTONI (Cella Monte)

Preamble

eConsulenza agency and Unpli Piemonte planned and realized **4 specific Green Visits in Piedmonts** in the period February/early April 2023.

The WP3 activities' implementation in Italy realized in 4 different days, 4 Visits/meetings (16 hours in total, per Country) had the aim to: • deepen and discuss, on the basis of concrete cases, strategies for the green transition; • the learners had the opportunity to visit some rural places and live real cases; • the participants discovered the attractiveness of natural and rural heritage, with the identification of its identity and green value; • they had the opportunity for the professional and personal growth.

The activities of visiting and exploring have been addressed to agricultural and environmental institutions, SMEs and associations, above all in rural areas. The participants heard about the modernisation and the green innovation in situ, from real cases and successful experiences led by companies and firms. The practical activities gave participants the real dimension of labour market for the green jobs.

Beneficiaries: the promoters offered the possibility to attend the WP3 Visits to eligible participants of WP2 course. A selected group of learners has been identified after the course realisation, in January 2023, with more than 10 learners as participants in Italy, combined with other additional participants: some external adults and young people joined them, in some visits.

Realized practical visits were:

- 1. WP3 GREEN STUDY VISIT 1 – NOVAMONT – NOVARA – 17 FEBRUARY 2023**
- 2. WP3 GREEN STUDY VISIT 2 – AGRICOLA AGORÀ – TRINO VERCELLESE – 17 MARCH 2023**
- 3. WP3 GREEN STUDY VISIT 3 – ISTITUTO PROFESSIONALE AGRARIO “CAVALLINI” – LESA/LAGO MAGGIORE – 24 MARCH 2023**
- 4. WP3 GREEN STUDY VISIT 4 – FONDAZIONE ECOMUSEO DELLA PIETRA DA CANTONI & “GEOPERCORSO” IN CELLA MONTE HAMLET – CELLA MONTE – 1° APRIL 2023**

1.WP3 GREEN STUDY VISIT 1 – NOVAMONT – NOVARA

17 February 2023

Novamont <https://www.novamont.com/> is an Italian company, international leader in the bioplastics sector and in the development of biochemicals. Through a new sustainable development model, it promotes the transition from a product economy to a system economy, relying on the valorisation of local areas and on products that can redesign entire application sectors, reducing the costs of environmental and social externalities. It designs own products in order to protect and restore precious natural resources which are two strictly connected: soil and water.

The compostable bioplastics help to divert organic waste from landfills, allowing its transformation into compost, a soil improver and a valuable tool to arrest its degradation.

A group of students visited the Novamont headquarters in Novara, one of the most innovative companies in terms of "bio-plastics". It applies a bioeconomic model based on the efficient use of renewable resources and territorial regeneration. In a city surrounded by traffic, neglect and abandoned rubbish, it therefore stands out for the cleanliness of the spaces, and the minds.



The company was represented by the chemist, Stefano Mambretti, who illustrated and explained the corporate rationale: not only bio-plastics to replace plastic, where possible and where it is convenient, without irrational radicalism; but also the recovery of abandoned and polluted industrial areas thanks to dedicated crops; the scholarships for young researchers and the research on European tenders; the proposals to the market and the requests from the market; the experimental production (in Novara) and the testing on a large scale (in the four factories in Italy).

Many questions arisen from the participants, on the polymers produced, on the experiments carried out, on the underlying philosophy with enthusiastic interest.

Novamont acts creating a circular economy, which can be only achieved if all sectors of production and consumption talk to each other and fully collaborate.



2.WP3 GREEN STUDY VISIT 2 – AGRICOLA AGORÀ – TRINO VERCELLESE

17 March 2023

Agricola Agorà - www.agricolagora.it - was founded in 2018 in Ozzano Monferrato (Alessandria area) to focus on the cultivation of olives, an ancient tradition of the area that has been lost due to the hardening of the climate and the changes of consumption. The estate covers more than 5 hectares of hills between Ozzano Monferrato and Piancerreto. In 2020, the first extra virgin olive oil from Agricola Agorà was pressed, Olio SMERALDO featured excellent organoleptic properties and evaluations. Since 2021, the company's olive oil mill in Trino Vercellese (Vercelli area) has been operational, making Agricola Agorà the first company in Piedmont to have the complete product supply chain: from planting the olive trees to harvesting and pressing within 12 hours, bottling and selling Extra Virgin Olive Oil. The company also provides third-party processing of crushing and bottling for producers.



Agricola Agorà company, producer of excellent extra virgin olive oil, as well as owner of a latest generation oil mill open to all small farmers in the area (an ever-increasing number), capable of working small lots of olives with a "cold milling" technology and in the absence of oxygen: better retention of perfumes, less oxidation, richness in polyphenols.

The olive trees grow on the foothills of the Monferrato hills in Ozzano Monferrato onwards, and the company headquarters are in Trino Vercellese. There it occupies the former repair shop of a recently closed cement factory with an oil mill, the Victoria, owned by the Piazza family. The same that today has embarked on the path of making a quality oil in Piedmont.

The trainees were welcomed by Roberto Rotondo, plant manager, who explained the characteristics of the oil mill, talked about the types of olive trees grown, the panorama of quality that is emerging in Monferrato, made them taste the oil, and answered many questions. To his presentation, further information from Prof. Giancarlo Durando, was added.

It was really interesting for the participants to walk among the remains of an industrial plant that does not exist anymore, imagining a new world of green cultivations; in the meantime, to discover how agriculture is changing, opening the doors to some crops not possible until yesterday.



Extravirgin SMERALDO Oil, green in color and bright as the precious stone, symbolizes hope, growth and renewal for the Monferrato region. The strong content of polyphenols and the very low acidity give it regenerating and antioxidant properties. *Olio SMERALDO* surprises for its organoleptic properties marked on the bitter – spicy taste. The cultivars used are: Leccino, Pendolino, Coratina, Frantoio, Moraiolo, Leccio del Corno.



3.WP3 GREEN STUDY VISIT 3 – ISTITUTO PROFESSIONALE AGRARIO “E. G. CAVALLINI” – LESA/MAGGIORE LAKE

March 24, 2023



The **Istituto Professionale di Stato per l'Agricoltura e lo sviluppo rurale "E. G. Cavallini"/"E. G. Cavallini"** High School <https://sites.google.com/bonfantini.it/orientamento-lesa>, seated in Lesa placed in the area of the wonderful Lake Maggiore, is part of the “Bonfantini” High School in Novara.

It offers a 5-year course of study for the achievement of an Agrotechnical Diploma, which allows young people to enter the world of agricultural work and the new environmental professions, as well as to access the University.

The theoretical-practical teaching includes classroom lessons + exercises carried out in the institute's facilities. The practical exercises take place in the laboratories (chemistry and ICT), in the botanical park, in the air-conditioned greenhouse and in the orchard area of the school (historical park, olive grove, apple orchard, hazelnut orchard and vineyard).



In the first two years there is the learning of disciplines common to all fields of study (Italian, history, mathematics, English) and basic knowledge of technical subjects (biology, ecology, chemistry and physics). In the following three years, specific agricultural subjects are introduced (agronomy, breeding techniques, valorisation of activities, applied chemistry, agricultural economics, organic agriculture, park and garden management) and in the fifth year the students are also prepared for the state exam.

Thanks to the technical and practical knowledge acquired, the agrotechnical graduate has excellent opportunities to enter the world of work in the agricultural sector or in the supply chain. Data from recent years show that most young people within a year of graduating have a stable job. The demand for workers in the green economy is proving to be in first place among the jobs that will be most in demand as forecast by Unioncamere and Anpal for the next five years.

During the visit to the Institute, the participants walked through the park till the air-conditioned greenhouse and the orchard area (olive grove, hazelnut grove). They have been welcomed by the Principal, Prof. Biatriz Baldo, and many teachers and professors (Prof. Cupia, Bertolino, Bacchetta,..) such as the students.



Moreover, the participants had the opportunity to know about the innovative green projects of the VET school:
-Aeroponics project

The project is financed with European funds - ESF Pon - for the creation of a soilless aeroponic greenhouse 4.0.

-Aromatic herbs project

Restoration and creation of an area of the park where varieties of aromatic herbs are grown. The expansion of the area and the planting of citrus fruits resistant to climatic adversity are planned.

-Oil project - management of the olive grove

After the excellent results obtained with the achievement of the second prize in the national competition for Agricultural Institutes, the Institute integrated its offer and an olive grove management course was also organised.

-Apple orchard project

Since 2021 the old apple orchards have been renovated with new, more resistant, native plants, suitable for restoring the local biodiversity.





Progetto Erasmus+ GREEN-COM Green practices and Competences towards the Environmental sustainability

KA210-VET - Small-scale partnerships in vocational education and training
ID KA210-VET-8CFC2A11 / WP3 ACTIVITY



SABATO 1° APRILE 2023 VISITA GREEN COM



Ecomuseo
della Pietra
da Cantoni

ORGANIZZATA DALLA AGENZIA ECONSULENZA, DA UNPLI PIEMONTE E DALLA FONDAZIONE ECOMUSEO DELLA PIETRA DA CANTONI

Progetto promosso da:



**MEETING POINT:
ORE 10:00 PIAZZA
VALLINO
CELLA MONTE (AL)
Visita Ecomuseo**

**Per info:
Agenzia eConsulenza
info@econsulenza.com**



This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

4. WP3 GREEN STUDY VISIT 4 – FONDAZIONE ECOMUSEO DELLA PIETRA DA CANTONI & CELLA MONTE HAMLET GEOLOGICAL ROUTE – CELLA MONTE

1° April 2023

The **Ecomuseo della Pietra da Cantoni Foundation** <https://www.ecomuseopietracantoni.it/> is seated in Cella Monte. Established in April 2003, became a Foundation in 2007. It is the expression of the identity and dynamics referring to the territorial values of Monferrato area. The Ecomuseum enhances the uniqueness of the landscape of “Monferrato Casalese” based on the local “pietra” (stone).

The Foundation and its members are part of the UNESCO World Heritage site "The Vineyard Landscapes of Piedmont: Langhe-Roero and Monferrato", inscribed on the UNESCO World Heritage List since 22 June 2014 (in particular, it concerns the Core Zone 6 for the "Monferrato degli infernot", underground cellars, present in the area). One of the Infernot is set into the historic building where the Ecomuseum in Cella Monte is located. The Ecomuseum is part of the Association for the Heritage of the Vineyard Landscapes of Langhe-Roero and Monferrato.

The Foundation is made up of: - *as founding members*: Municipality of Cella Monte, Natural Park of Sacro Monte di Crea, Regional Institute for Wood Plants and the Environment - IPLA, Province of Alessandria, Bank Foundation of Alessandria, the Chamber of Commerce of Alessandria; *as Associate members*, the Municipalities belonging to the Ecomuseum basin: Camagna, Camino, Casale Monferrato, Cella Monte, Coniolo, Conzano, Frassinello, Fubine Monferrato, Mombello, Odalengo Grande, Olivola, Ottiglio, Ozzano, Pontestura, Ponzano, Rosignano M.to, Sala M .to, San Giorgio M.to, Serralunga di Crea, Terruggia, Treville, Vignale Monferrato, etc...



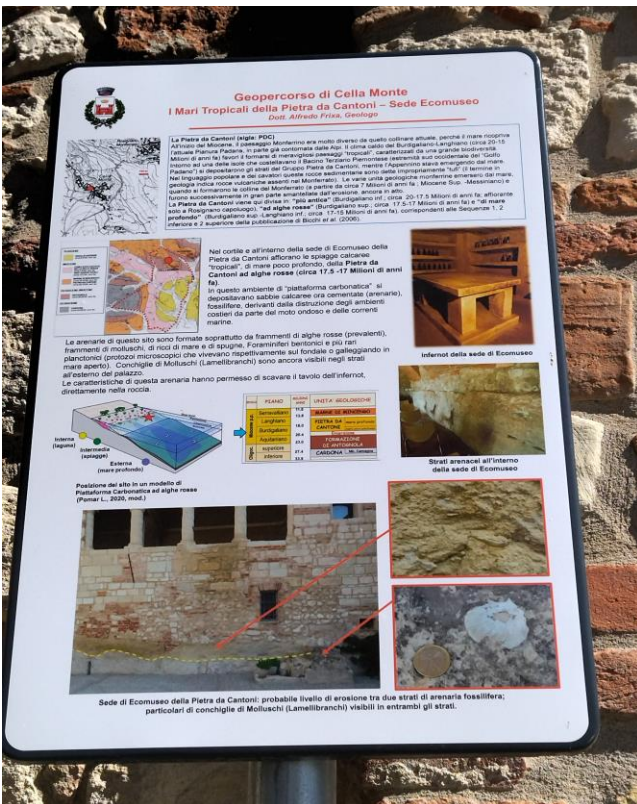
Many activities related to tangible and intangible cultural heritage have been implemented for years: exhibitions, educational activities, theatrical and musical performances, European and local projects, workshops for children and schools, food and wine events, visits, permanent itineraries, digital and virtual visits, publications, workshops. The Ecomuseum successfully deals with sustainable tourism, slow tourism, eno-trekking, offering activities for tourists and visitors contextualized in the nature among the hills, discovering the paleontological history and the UNESCO protected area.

The GREEN COM Visit opened with the welcome and an introduction by the President of the Fondazione Ecomuseo della pietra da Cantoni, Corrado Calvo, followed by a captivating and highly interesting

presentation on the “pietra da cantoni”, its formation and its history started 20 million years ago, curated by the geologist Alfredo Frixia. The “Sala dei Fossili” (Hall of Fossils) has been set up inside Palazzo Volta with an exhibition, panels, pictures which provide important information on the paleontological aspects of the area, where millions of years ago there was the sea.



After the visit to the Ecomuseum, the participants moved on to visit the Geological route (geo-percorso) - thanks to the presence of Geol. Frixia, in the historic center of Cella Monte, a small and graceful hamlet, that is part of the network of the MOST ITALIAN ATTRACTIVE HAMLETS: <https://borghipiubelliditalia.it/borgo/cella-monte/>. There is a geological itinerary that can be visited on foot.



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