



UNIMONT

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UNIVERSITÀ
DEGLI STUDI
DI MILANO

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NEWS HIGHLIGHTS



CIME MILANO 2017

UNIMONT - The Mountains University based in Edolo - and the **Club Alpino Italiano (CAI)** are proud to host the second year of CIME on December 11th and 12th at the University of Milan. CIME 2017 will be entirely dedicated to research and innovation for the mountains.

CIME will begin the morning of **Monday December 11th - International Mountain Day 2017 - with the launch of "Mountain-Hack"**, the first Italian Hackathon dedicated entirely to the development of the Alps and the Apennines, mountains that are a national heritage to be known, defended and valued. Mountain-Hack is supported by MIUR. In the early afternoon, the Club Alpino Italiano will present a talk entitled **"CAI Shelters: Comparing and Contrasting Protagonists"**. In the evening, there will be the launch of the reading group **racCONTA la MONTAGNA**.

On Tuesday December 12th, CIME A MILANO 2017 will host researchers, entrepreneurs, administrators and representatives of the third sector working on the study and valorization of mountain territories at the local, national and international level. The event will officially present the **Italian Mountain Lab project** and "launch" a new platform for coordination and collaboration between all "actors" working in the mountains of Italy.

CIME A MILANO 2017 will close with the words, ideas, and proposals of the 100 young adults from across Italy who participated in the Mountain-Hack event, and whose work will inspire us until CIME 2018!

CIME is hosted in collaboration with the **Ministry of Education, University and Research (MIUR)**, the **University of Eastern Piedmont**, and the **University of Tuscia**.

All the events are free and open to the public.

AGREEMENT FOR MANAGEMENT OF UNDERGRADUATE COURSE RENEWED

In November, the Agreement for the Management of the Degree Course in "Conservation and Sustainable Development of Mountain Areas" and the Edolo Campus of the

University of Milan, called the Mountain University (UNIMONT), was renewed.

The institutions which promote the venture (Province of Brescia, Comunità Montana di Valle Camonica, Consorzio Comuni B.I.M. di Valle Camonica, Municipality of Edolo and Unione dei Comuni delle Alpi Orobie Bresciane) decided to renew their commitment and to continue to support the twenty-year experience at UNIMONT while the University of Milan, as well as guaranteeing its commitment to developing teaching, has decided to consolidate and further strengthen its mountain university campus which plays an increasingly important role in University strategies.

Over the years, there has been a remarkable and growing interest in the degree programme, which is reflected in the fact that an increasing number of students come not only from the province of Brescia, but also from other areas of Italy.

In addition, the significant impact on mountain areas provided by the experts trained on UNIMONT's degree programme, as well as the important activities of research and transfer of knowledge towards mountain territories, make the University experience in Edolo unique at a national and international level.

UNIMONT MOUNTAINS AT BOOKCITY MILAN

On Saturday, 18th November, the Mountain University - Edolo Campus of the University of Milan – took part in Bookcity Milano to present the research and teaching-dissemination of knowledge activities it has been carrying out over recent years.

Starting from the presentation of the technical-scientific manual produced by the team of UNIMONT researchers, **Dr. Luca Giupponi** and **Dr. Daniela Pentimalli** showed how, through a modern scientific approach, useful tools can be produced for those working in the agro-food industry.

An article was also presented showing the results of a **floristic analysis conducted in an area of the Orobie Bergamasche Park (Monte Cavallo - Valleve, BG)** of high naturalistic value. The search results highlighted the natural beauty that can be found in the little-visited mountain trails and which is worth appreciating and valorizing.

Finally, an autobiography was presented by Francesco Vertua, a UNIMONT student with learning disabilities who, thanks to his mountaineering experiences, was able to face up better to everyday difficulties.

THE PASTORI AWARD TO UNIMONT STUDENT INNOVATORS

The annual award entitled "Giuseppe Pastori" was awarded to the most deserving figures in the agricultural world on Saturday, 11th November, in the Main Hall of the Istituto Agrario in Brescia. Winners included Stefania Reali and Simone Frassini, two entrepreneurs who studied at the Mountain University - Edolo Campus of the University of Milan.

The Pastori Award, this year in its 14th edition, organized by **Fondazione ONLUS Istituzioni Agrarie Raggruppate**, is aimed at all those in the province of Brescia who have produced studies and performed research introducing cultivation or production techniques with obvious and positive effects on the agricultural sector in the province of Brescia.

The first three winning innovators this year are a Professor, a student enrolled in the first year of Agricultural Science and Technology and a farm - "**Cosa tiene accese le stelle**" is the farm belonging to Stefania Reali and Simone Frassini, two Mountain University graduates who decided to set up their own business starting completely from scratch. As well as preparing land and planting small fruits, they began with the cultivation of vegetables and legumes and beekeeping. They sell genuine local products also online with home delivery.

UNIMONT is proud to announce that two of our students have won this prestigious award, thanks to their tenacity in undertaking a path not without obstacles they have succeeded in fulfilling their dream, cultivating the land of the mountains they love.

CONGRATULATIONS!

DEGREE COURSE IN CONSERVATION AND SUSTAINABLE DEVELOPMENT OF MOUNTAIN AREAS: 2nd A.Y. 2016/2017 GRADUATION SESSION

Nine students graduated in Conservation and Sustainable Development of Mountain Areas on Monday, 23rd October 2017, at the Mountain University.

Baronchelli Nathan (Magenta – MI): "Floristic characterization in alpine pastures and cheese making of Silter DOP in Vallecarnonica"

Carlin Mathieu (Sarre – AO): "Characterization of honey produced by a farm in Valle d'Aosta"

Carlotti Arianna (Bergamo): "Monitoring of deer (*Cervus elaphus*) and management aspects in a Game Reserve in the Orobic Alps"

Lazioli Isabella (Rogno – BG): "Performance of *Capra bionda dell'Adamello* goats"

Nicoli Stefano (Bergamo): "Forestry nursery activities: new perspectives"

Poletti Marina (Ponte Nossola - BG): "Valorization of alpine pasture cheese production in Val Dossana"

Rodari Alessia (Esine - BS): "Morphological characteristics and behaviour of *Capra bionda dell'Adamello* Goats"

Tagliapini Giorgio (Gardone Riviera – BS): "Projects for private agricultural and forestry property in Alto Garda"

Vuillermoz Joel (Valpelline – AO): "Introduction of innovative techniques for the sustainable management of apple orchards in Valle d'Aosta"

NEXT EVENTS



ADVANCED COURSE IN SUSTAINABLE TOURISM FOR MOUNTAIN AREAS

The advanced training course aims to provide the tools required to develop and enhance businesses in the mountain tourism sector and is targeted in particular at young entrepreneurs, stakeholders and institutions working in tourism in the Alpine Macroregion.

The course aims to explore, analyze and share the evolution, models and examples available in the economic, socio-cultural and natural fields linked to the sector at an international level (7 countries and 48 regions of the EU-SALP area). It also seeks to bring to the fore the potential of new technologies, IT and telematics tools in the organization and promotion of tourism.

The course aims to prepare participants for possible job and professional opportunities throughout the Alpine Macroregion. It will be provided entirely in English and is aimed at: tourist accommodation technicians and similar professions; organizers of fairs, exhibitions and cultural events; organizers of conferences and receptions; tour entertainers and similar professions; travel agencies, tour operators, tour guides; nature, experiential, cultural and sport guides and escorts; public administration.

START OF THE PROJECT "GOOD PRACTICES FOR THE RECOVERY, CULTIVATION AND VALORIZATION OF LOCAL TRADITIONAL CULTIVARS OF LOMBARDY (RE-LIVE-L)"

ReliVe-L is a project funded by the **Lombardy Region** under the **Rural Development Program 2014-2020 (Measure 1 "Transfer of Knowledge and Information Actions")** with the participation of the **University of Pavia** (Department of Earth and Environmental Sciences) and the **University of Milan** (Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas, Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy).

The project "**Good practices for the recovery, cultivation and valorization of local traditional cultivars of Lombardy (ReliVe-L)**" will take place from November 2017 to April 2019 with the main objective of improving knowledge of the characteristics of the **traditional cultivars of Lombardy**, in order to promote their cultivation and increase potential commercial opportunities. Click here for more details on the project!

As part of this project, UNIMONT - Centre of Excellence of the University of Milan - will organize and provide **a series of seminars** aimed at all those who are interested in cultivating traditional or unusual mountain cultivars which can, nevertheless, be a source of income for multifunctional mountain farms. All the seminars, **free of charge and open to the public**, can be enjoyed either at the Main Hall of the Mountain University, or online through a virtual classroom that UNIMONT provides for the public.

SERVICES FOR MOUNTAIN AREAS



Dedicated portal session: ITALIAN PLANT AGRO-BIODIVERSITY

As part of the Lombardy Region project implementation, an area dedicated to agrobiodiversity has been developed. The UNIMONT portal has a section that provides a complete view of traditional little-known plant varieties (cereals, vegetables, fruit trees, etc.) that deserve to be characterized, valorised and protected in order to increase Italian plant agro-biodiversity and to generate supply chains of typical and quality products.

CALLS, INTERNSHIPS AND JOB OPPORTUNITIES



POSITION AS RESEARCHER FOR 18 MONTHS (R4) AT EDMUND MACH FOUNDATION

Funding body: Edmund Mach Foundation

Applicants: Master's degree in Biology, Biochemistry, Microbiology, Biotechnology or Bioengineering or similar degree with an academic level equivalent to a Master's degree.

Knowledge of written and spoken English (minimum level B2), assessed during the interview.

Description: Position for 18 Months as Researcher (R4) in the field of biotechnology of natural products (237_CRI_BNP)

PROJECT IMPLEMENTATION



COURSE IN PROJECT MANAGEMENT FOR MOUNTAIN AREAS STARTED

The advanced course in Project Management for Mountain areas, organized by the Mountain University – Edolo Campus of the University of Milan - started on Friday, 10th November.

In implementation of the collaboration agreement between Lombardy Region and the Ge.S.Di.Mont. Centre for scientific and applied research and the dissemination of knowledge about mountain areas of the Lombardy Region, UNIMONT has organized, for the 5th consecutive year, the **Project Management for Mountain Areas** course: a course for improving the professional skills required for the planning and management of projects on themes specific to mountain areas and the sustainable development of mountain resources as a whole, lasting 56 hours on-campus or online via virtual classroom.

15 participants will be taking part, not only from **Lombardy**, but also from **Trentino, Piedmont, Abruzzo and Liguria**, looking at themes regarding: policies for mountain areas at a European, national and regional level; the development of **planning for mountain areas** (seeking funding opportunities, improving planning techniques and sharing of best cases, focusing on business programs) and the **management and accountability of funded projects**.

Considering the peculiarities of mountainous areas and that the development and enhancement of these areas benefit the whole of society, UNIMONT aims to **train experienced professionals with a multidisciplinary approach** to specific issues related to mountains.

SEMINARS AND WEBINARS



AGILE PROJECT MANAGEMENT

Sara Grilli - Cefriel

The complex dynamics of the market require companies to deal with ever increasing delivery intensity. The need to be quick, meeting customer needs while, at the same time, maintaining careful cost control requires innovative approaches to management. Over the last few years, it has become apparent that agile methodologies, formalized in the 2001 Agile Manifesto, are an effective response to these needs. The aim of the conference is to analyze the values that distinguish such methodology, highlighting its close correlation with the concept of innovation:

- Agile Values and Principles
- What is Agile
- Some key concepts of the Agile approach

LOCAL TRADITIONAL CORN IN THE LOMBARDY MOUNTAIN CONTEXT

Dott. Andrea Messa – “Grani dell’asta del Serio” Association President

Dott. Luca Giupponi –Ge.S.Di.Mont-UNIMI Centre

The seminar provides an overview of the various aspects of the cultivation (historical and current) of corn in the Lombardy mountains. In particular, it will deal with local and traditional varieties of corn grown in the mountains,

including those listed in the National Register of Conservation Varieties (Spinato di Gandino Corn, Rostrato Rosso di Rovetta Corn, Nero Spinoso Corn), still cultivated in small local settings.

In addition to the traditional agronomic practices used in the past, and also nowadays, to grow these cultivars, some agro-food products derived from them will be presented, paying particular attention to their historical-cultural and nutritional value. Some of the activities carried out by UNIMONT for the recovery and cultivation of some of these cultivars will also be presented, highlighting the useful role of collaboration between farms and universities.

The seminar is aimed primarily at potential farmers interested in the cultivation of traditional and local Lombardy cultivars, as well as all those who wish to create new small production chains based on these cultivars.

TRADITIONAL LOCAL MOUNTAIN CEREALS: TREATMENT AND CONSERVATION

Dott. Andrea Messa – “Grani dell’asta del Serio” Association President

Dott. Luca Giupponi –Ge.S.Di.Mont-UNIMI Centre

The seminar aims to present some good practices for the treatment and conservation of the caryopses of cereal (and pseudo-cereal) cultivars traditionally cultivated in the Lombardy Mountains. In particular, in addition to dealing with traditional shelling methods and the considerations to be taken into account in the selection of the seeds of traditional local cultivars, the problems associated with the drying, storage and control of the corn and products derived from it will also be dealt with. During the seminar, some activities UNIMONT is performing for the control of aflatoxins and fumonisins in Nero Spinoso corn will be presented - actions which could be repeated for other local cultivars through collaboration between farms (and/or associations) and universities or research centres.

The seminar is aimed primarily at potential farmers interested in the cultivation of traditional and local Lombardy cultivars, as well as all those who wish to create new small production chains based on these cultivars.

RISK MANAGEMENT IN EUROPEAN PROJECTS

Sara Grilli - Cefriel

The following topics will be dealt with during the conference:

- Risk management: basic concepts, management strategies and methodological approach
- Risk syntax: how to describe the risk

- Classification and management of uncertainty: epistemic uncertainty and aleatoric uncertainty
- Risk management processes: planning, identification, analysis and response plan
- Risk management tools and techniques
- Practical examples of application of risk management techniques in European projects
- Fitting risk management processes and tools to the needs and expectations of project stakeholders
- The importance of the risk register

RECENT ACTIVITIES



ERASMUS +, SWISS EUROPEAN MOBILITY: IMPORTANT INTERNATIONAL TRAINING OPPORTUNITIES

The University of Milan supports the international mobility of its students, offering the opportunity to spend periods of study and internship abroad - a unique opportunity to enrich one's education curriculum in an international context.

UNIMONT has recently offered this opportunity also to the students of the Undergraduate course in Conservation and Sustainable Development of Mountain Areas and, in recent months, five students and graduates participated. Three students took part in internships at the Universidade de Trás-os-Montes and Alto Douro at Vila Real in Portugal through the Erasmus + program while two students made use of scholarships provided by BFH Bern University of Applied Sciences - Bern (Switzerland) under the Swiss European Mobility Program.

During the meeting held on 16/11/2017 at UNIMONT, the students talked about their experience abroad and various opportunities and how to take part in the calls currently active for the Edolo undergraduate programme.

THE ALPS: A PLACE OF CONFRONTATION, A PLACE OF MEETING

UNIMONT, as the alpine outpost of the Province of Brescia, a University of Milan campus and centre of excellence, was invited to open the "Festival of Peace" organized by the municipal administration and the Province of Brescia on November 23rd, 24th and 25th.

With its strategic position in the centre of the Alps, and driven by the objective of training young people aware of the resources and opportunities that this territory can offer, on Tuesday, 21st November, the Mountain University organized a meeting viewing the Alps as a place of confrontation but also of meeting. Starting from a historical excursus, showing how war left indelible traces, eliminating entire generations of young fighters and building/destroying walls marking borders by working on mistrust, an analysis was made of modern times, in which the alpine territory becomes a place for meeting and collaboration, also thanks to the modern methods of communication, a symbol of liberalization.

A modern debate, in the form of a talk show, reflected the continuous process of confrontation and creation of peace in the Alps.

On the dedicated page there are speakers' presentations and a recording of the meeting.

MAIN MOUNTAIN CEREAL SPECIES

The seminar illustrated the characteristics of some local cereal crops that are traditionally cultivated in the Lombardy Mountains. As well as dealing with local varieties of corn and wheat, cereals (and pseudo-cereals) such as barley, rye, spelt and buckwheat were also discussed. Due to their historical and cultural importance and the adaptations made to the conditions of the sites where they are traditionally cultivated, they can be an added value for mountain farms.

CULTIVATION OF CEREALS IN MOUNTAIN ENVIRONMENTS

The seminar dealt with the cultivation of local cereal varieties traditionally grown in mountain areas of Lombardy and which are nowadays gradually being cultivated once again. In addition to considering the biological, agronomic and nutritional characteristics of various traditional cultivars, importance was also given to their historical-cultural and social aspects, thus the added value they can provide for multifunctional farms that cultivate them not only to produce food for catering but also in order to carry out educational activities.

WHEAT AND PSEUDOCEREALS IN THE MOUNTAINS

The seminar dealt with different aspects of wheat and pseudo-cereal (buckwheat) varieties traditionally cultivated in the Lombardy Mountains. In addition to addressing the historical and cultural aspects of these varieties, good practices for their cultivation (and transformation) nowadays on the basis of the practical experience of some local farms that are involved in the valorization of

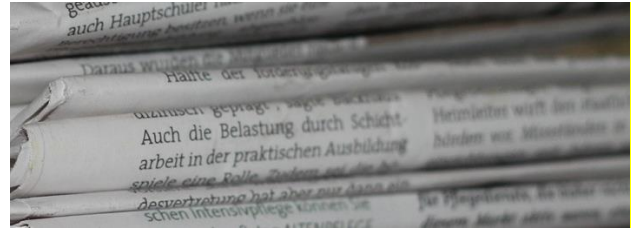
such crops (and their chains) were addressed. Some UNIMONT research activities aimed at the characterization (and hence protection) of some of these varieties were presented. The results of this project will enable information to be acquired that will be useful for the mountain farms that already grow them and for those that intend to cultivate them in the future.

NEW PUBLICATIONS



Calvi L., Pentimalli D., Panseri S., Giupponi L., Gelmini F., Beretta G., Vitali D., Bruno M., Zilio E., Pavlovic R., Giorgi A. (2017). [Comprehensive quality evaluation of medicinal *Cannabis sativa* L. inflorescence and macerated oils based on HS-SPME coupled to GC-MS and LC-HRMS \(Q-exactive Orbitrap®\) approach.](#) *Journal of Pharmaceutical and Biomedical Analysis* (online 02/12/2017)

ABOUT US



[Il Pastori premia il “papà” della doc e i sognatori del “km zero”](#)

Giornale di Brescia – 8 novembre 2017

[Edolo: il Premio Pastori a Stefania e Simone, due studenti innovatori di UNIMONT](#)

Gazzetta delle Valli – 10 novembre 2017

[Con il sano cereale di montagna il gusto ci guadagna](#)

Valtellina News – 20 novembre 2017

[Università della montagna, rinnovato il patto tra Edolo e Milano](#)

Bsnews.it – 20 novembre 2017

[Edolo, sottoscritto l'accordo tra Università della Montagna e gli enti locali](#)

Gazzetta delle Valli – 20 novembre 2017

[Broletto, cresce la spesa corrente](#)

Teletutto – 21 novembre 2017

[Risorse e risultati: autonomia, il caso Valle Camonica](#)

Corriere della Sera – 22 novembre 2017

[Mountain-Hack: in arrivo il primo hackathon della scuola italiana per lo sviluppo della Montagna](#)

Gazzetta delle Valli – 29 novembre 2017