



UNIMONT

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UNIVERSITÀ
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DI MILANO

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NEWS HIGHLIGHTS



3rd Graduation Session A.Y. 2015/2016 of the Degree Course in Conservation and Sustainable Development of Mountain Areas

On Wednesday, 5th April, 2017, 9 students graduated in Conservation and Sustainable Development of Mountain Areas at the Mountain University in Edolo.

Almici Bruno (Roè Volciano - BS): "Canapa: general information and potential for mountain areas"

Beltrame Sara Selvaggia (Malonno - BS): "Evaluation of the quality and conservability of American Giant Blueberry (*vaccinium corymbosum*) in Mid Valle Camonica"

Cantoni Nicola (Bormio - SO): "Amaro Braulio, between tradition and innovation. Historical and economic analysis of an alpine product that has been valorized over the years while remaining faithful to its origins"

Chiodi Ramon (Brescia): "The hypogea cavities of Valle Camonica: knowledge update"

Colombo Giacomo (Milan): "Evolution of antiparasitic defense in Valtellina apple orchards"

Martinelli Alberto (Muggiò - MB): "Sustainable sports tourism for the valorization of mountain areas"

Ragazzoli Anna (Cevo - BS): "Soil monoliths in the exhibition at the Mountain University in Edolo (Brescia)"

Scarafoni Sveva (Berbenno di Valtellina - SO): "Alpaca breeding and a case study of multifunctionality"

Zucchelli Stefano (Trento): "Criteria and guidelines for the management of riverbed vegetation. Practical case: analysis in the territory of the province of Trento, with particular reference to the Avisio stream in Val di Fiemme"

The Mountain University on Radio 24

A report about the Mountain University in Edolo, the university research and training center linked to the

mountain territory, was broadcast on Radio 24 on Saturday, 8th April at 7.15 a.m.

The radio crew of Radio 24 went to the **Mountain University, the Edolo Campus (BS) of the University of Milan**, to report on the University Campus, its courses aimed at the sustainable development of mountain areas and potential career opportunities for those gaining a degree in this sector.

The report included an interview with **Professoressa Anna Giorgi** and some students of the **Bachelor's programme in "Conservation and Sustainable Development of Mountain Areas"**. Reference was also made to the considerable research activities carried out by **Ge.S.Di.Mont. (GeSDiMont - the Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas)** in recent years.

Over time, the Mountain University has also been able to establish useful collaborations with other Italian universities as well as national and international bodies and organizations. UNIMONT is an extremely **extensive network with a large community of users**, kept up to date by newsletters presenting and encouraging participation in the many and varied events organized by the University and aimed not only at young students. UNIMONT's mission is therefore to enhance and transfer knowledge about the territory and mountain areas to an ever-wider public.

Not just on the radio but also in newspapers: on Thursday, 6th April, the Mountain University was mentioned in the article "**Montagna disincantata. Il futuro è la rivoluzione dello sguardo**" by Aldo Bonomi, in the section entitled "**Il manifesto in movimento**" about a return to mountain areas to valorize and conserve the territory.

The Mountain University at the "Mountain areas: green infrastructure for innovation and development" conference

On Wednesday 3rd May 2017, Anna Giorgi of the Mountain University in Edolo will attend the conference organized by LUMSA – Libera Università Maria Santissima Assunta, with the patronage of the Italian Geographic Society.

The "**Mountain areas: green infrastructure for innovation and development**" conference aims to gather together all those who are interested in mountain areas, therefore the key figures in government and politics, stakeholders in such areas, but also university institutions.

The meeting will be divided into two sections: a round table with a political and institutional theme, entitled “*The Appennines: a green resource of a Green Economy*”, and one that gives space to the protagonists of mountain territories, entitled “*Experiences and Research activities of the High Lands*”. This section will include the participation of **Professoressa Anna Giorgi of the Mountain University in Edolo**, who will be contributing with a viewpoint based on her professional and geographical background.

NEXT EVENTS



Open day at the Mountain University in Edolo

13th May, 2017 at 10.00 am at the Main Hall of the Faculty of Agriculture in Via Morino 8 Edolo

Presentation of the **Undergraduate Course in Conservation and Sustainable Development of Mountain Areas**, of research and training and career opportunities.

SERVICES FOR MOUNTAIN AREAS



CALLS FOR MOUNTAIN AREAS

Natural capital, ecological connections and ecosystem services for the protection of bio-diversity

The call aims to promote the conservation of the natural resources and ecosystem functionality of the Natura 2000 network areas and of natural areas of high importance for the maintenance of biodiversity in the reference territory of the Cariplo Foundation. Large-scale projects which promote the conservation of the natural capital of the area, through the integration of biodiversity conservation and ecological connection intervention will, in particular,

receive funding. At the same time, Studies aimed at the identification and enhancement of ecosystem services could allow the provision of a more comprehensive framework for the protection of the natural resources of the areas involved.

Green Infrastructures of ecological relevance and increased naturalness

The actions promoted, in favour of the community, regard agroforestry and increased naturalness, aimed at encouraging green infrastructure in Lombardy, and have the following objectives:

- improvement of the agroforestry system of connection of green systems limiting land consumption and urban sprawl;
- enhancement of rural areas and open spaces increasing naturalness also in relation to their usability and the quality of the landscape;
- improvement of the green infrastructure of the territory also in line with the recommendations of the Regional Development Plan and the Regional Landscape Plan;
- construction of the regional ecological network and its local variations;
- improvement of forest heritage.

Call measure 13, operation 13.1.01 "Compensatory allowance for disadvantaged mountain areas"

An annual contribution is available per hectare of managed surface, up to a maximum of 160 €/ha for grassland, 300 €/ha for permanent meadows, 120 €/ha for temporary grassland, 180 €/ha for vineyards and orchards and 450 €/ha for terraced vineyards.

Each participant can obtain an annual premium per hectare of managed surface; the amount depends on the type of crop and, in the case of grasslands and meadows, the altitude and/or the slope.

Call measure 11 “organic agriculture”

The activation of Measure 11 aims to promote support for the maintenance and development of organic agriculture and the conversion from conventional agriculture, with the objective of increasing the amount of regional agricultural land farmed using sustainable techniques. The goal is also to preserve and increase the quality and fertility of agricultural land and water and to meet new demands expressed by consumers, increasingly informed and careful to buy products obtained through more sustainable production systems.

ANTENNAS PROJECT

"Antennas" are points that transmit scientific and general information on mountain themes in both directions via streaming and to all interested parties in different mountain areas. Each Mountain Antenna can broadcast events offered by Unimont or another antenna, or can itself promote a seminar, event or conference of interest. Thanks to the network connection, Antennas can transmit the event regardless of where they are located, provided they have a stable Internet connection. People can connect and interact simultaneously in the virtual classroom. In addition, while listening to the event being broadcast, materials provided by the speakers or lecturers can be viewed and downloaded, and questions can be asked either directly or through the chat open to the public, allowing interaction with the other participants and with the organizers.

CALLS, INTERNSHIPS AND JOB OPPORTUNITIES



Evaluating the effectiveness and sustainability of rearing laying hens

An internship is available to be undertaken during 2017 to assess management issues and sustainability of an agritourism family type farm of approximately 200 laying hens, in Solto Collina (BG).

The objective is to monitor zootechnical and economic performance of the farm in order to evaluate the production efficiency and economic sustainability of the activity.

Sustainability in the supply chain of small fruits in high Valle Camonica

Internship regarding the sustainability of the supply chain of small fruits in high Vallecamonica, at the Cooperativa Agricola Adamello, based in the municipality of Ponte di Legno.

Activities will begin in late April 2017 and will look at the technical and organizational aspects of crops, production management, sale of the fruit and an economic analysis of the whole chain.

PROJECT IMPLEMENTATION



Activation of a dedicated portal space: Mountain Entrepreneurs

A dedicated space for young people in entrepreneurship has been developed as part of the Lombardy Region project implementation.

Specifically, the **Unimont portal** has a "**Mountain Entrepreneurs**" section which provides a complete view of mountain businesses by means of a geo-referenced map. In addition, this section aims to dedicate space to each entrepreneur, providing a description of the company and of its products and services, but also information on its performance and any difficulties encountered. The section aims to tell the stories and culture of entrepreneurs, encouraging direct contact in order to offer them the opportunity to compare ideas and interact with other entrepreneurs in the same sector in different areas of Italy.

SEMINARS & WEBINARS



The contribution of Applied Botany to improve the evaluation of soil engineering works in mountain environments

Luca Giupponi University of the Mountain - University of Milan

Bio-engineering work aimed at soil stabilization in mountain areas is becoming increasingly common throughout the world. Nevertheless, appropriate tools to evaluate the degree of success of such works in minimizing the anthropogenic impact on the environment and on the landscape over time are lacking. The seminar presents results of research conducted by Dr. Giupponi at the Ge.S.Di.Mont center in Edolo, as part of his Research Doctorate in Environmental Sciences, which led to the

creation of some floristic-vegetation indices useful for assessing the success of bioengineering work performed for the stabilization of slopes subject to landslide. Results of other botanical studies performed by Dr. Giupponi during his PhD will also be presented.

Walk along the Alpine road from Trieste to Montecarlo (passing through Edolo): the ALVINA project

Prof. Marcello Duranti, University of Milan

The first phase of the route took place from the 11th of June to the 28th of July 28, by leaving Trieste and arriving in Edolo. Marcello Duranti will be in Edolo to start again his journey towards Montecarlo on Wednesday 21st June. A long trek which encloses the whole Alpine chain and the Mountain University and shows how culture and science can contribute to enhancing this region in the world.

Measuring sustainable tourism performances at destination level (EN)

Cinzia De Marzo, EU legal advisor & senior expert on sustainable tourism and indicators

How to manage the self-assessment/evaluation, in view of benchmarking activities at local, national, macro regional/trans national and international level

- UN 2030 Agenda for sustainable development Goals (SDGs)
- The European Tourism Indicator System (ETIS)
- How to implement ETIS toolkit (edition 2016)
- The start-up phase of ETIS implementation
- The forthcoming Network of ETIS destinations

Certification of tourist accommodation

Martina Demattio, CASA CLIMA

The Sustainability "ClimaHotel" symbol distinguishes accommodation that contributes to sustainable development of the company, both with the integration of innovative technologies, as well as with key measures in management. The protocol provides hoteliers with guidelines to address the design and management of their structure in a sustainable way, saving energy and resources. The seminar will highlight how sustainability can be applied in accommodation, made visible in the market and really experienced by guests.

Sustainable tourism in methods, not only in contents

Filippo Camerlenghi, AIGAE

Sustainability linked to work procedures: all can contribute to sustainable tourism with simple operations. How to lead a group in nature, how to equip your own B & B or hotel, how to manage transport and the whole chain. A.I.G.A.E (Associazione Italiana Guide Ambientali Escursionistiche), probably the largest group of hiking

guides in Italy, with about 3,500 members, is a network of professionals working throughout Italy.

Herbal routes: from plant to phytoderivative

Marco Angarano Agriculturist and phytopharmacist, contributor to Natural 1, monthly magazine of technical-scientific information on medicinal plants, phytotherapy, nutraceuticals and phytocosmetics.

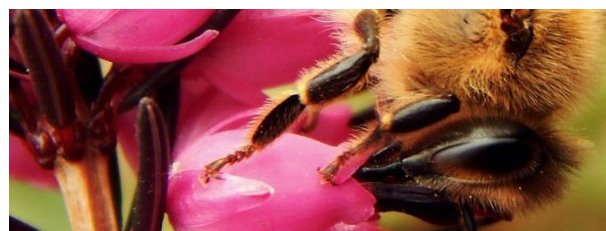
Plants have always represented a fundamental resource for humanity not only for nutrition, but also to preserve health. The conference will present an overview of the peculiarities of medicinal plants, the active ingredients that make up the phytocomplex, the main methods of extracting them and the phytoderivatives that can be obtained. The conference will also deal with the main features of some plants which are widespread and used for well-being.

Refuges 4.0

Massimo Minotti, CAI

Refuges, their vocation, the historical reasons for their construction, their original functions and those today, future scenarios. Information will be provided on who visits refuges and management and organizational issues and peculiarities will be presented. Refuge managers will take part with interesting cases, also regarding the assistance and management of foreign customers. There will be a short debate on issues regarding management, relationship between owners and managers.

RECENT ACTIVITIES



Let's start sowing "Nero Spinoso" corn in Val Camonica

A public conference about the promotion of "Nero Spinoso" corn in Val Camonica took place on Monday 3rd April at the "Agricola Cooperativa Sociale Onlus" in Piancogno (BS)

Promoters of the initiative took part in the meeting, including mayors of the area where "**Nero Spinoso**" corn will be farmed. Moreover, Carlo Sacristani (Councillor for Agriculture of the Comunità Montana di ValleCamonica), Luca Giupponi (Mountain University) and Marco Mutti (Agricola Cooperativa Sociale Onlus) explained to farmers

the strategic plan to promote this ancient variety of corn, that is on the national register of varieties to be protected.

The meeting attracted the attention of many farmers that are committed to growing this ancient variety and enough seeds of "Nero Spinoso" corn to cultivate 4 hectares were distributed on Saturday 15th April: a great result!

This is the first step to reintroduce a variety of corn that was close to the extinction yet has prestigious nutritional features. Thanks also to **Unimont**, this risk has now been eliminated.

Meeting in Tirano: "Creating Care Communities in Social Metamorphosis "

Anna Giorgi took part in the meeting "Creating Care Communities in Social Metamorphosis" on Friday 7th April 2017, at 9.30 am, at the Tirano Town Council - Sala Consiliare in Piazza Cavour.

The meeting "Creating Care Communities in Social Metamorphosis" was organized by the Association Comunità Il Gabbiano to promote public thought on the role of care communities in relation to anthropological, social, economic and institutional change. Territories and local communities are fundamental resources that need to be valorized to reach and imagine a future open to confrontation with the world.

Thus, **Anna Giorgi, director of Ge.S.Di.Mont.**, emphasized the importance of safeguarding mountain territories and their community role, full of essential values such as responsibility and mutual trust, which also historically have played an active and fundamental role in the development and support of society.

The meeting was therefore a moment to share various experiences, reflecting on the importance of focusing more and more on the territories, a highly useful workshop experience.

Unimont takes part in the event "Boario Terme in Flower"

Unimont, represented by Professor Anna Giorgi, took part in the event "Darfo Boario Terme in Flower", on 22nd April 2017.

The Boario Spa Park hosted the **7th edition of the flower show " Darfo Boario Terme in Flower"** on 22nd and 23rd April 2017. This year the Mountain University was present with a dedicated space and **a speech by Professoressa Anna Giorgi** at the conference on Saturday, 22nd April.

The event, which welcomes thousands of visitors each year, provides an opportunity for companies active in the

horticultural and medicinal plants sector and more generally those linked to environmental sustainability to present their activities using stands/dedicated spaces.

Unimont hosts a three-day intensive course as part of the education and higher technical training course (HTE)

The Mountain University in Edolo hosted a three-day intensive course in Techniques for the promotion of tourism products and services on 10th, 11th and 12th April.

From the 10th to the 12th of April, **Anna Giorgi, Director of the Centre of Applied Studies for the Sustainable Management and Protection of Mountain Areas**, was the representative of the activities in the context of Higher Technical Education (HTE) in "**Techniques for the promotion of tourism products and services with attention to local resources, opportunities and events** - local and organic products and rural tourism".

The course, organized by IMIBERG Bergamo as the lead agency, aimed to train experts in the sustainable development of the organic sector, for the management of the supply of organic products through direct relationships with producers and to develop agro-food potential for the development of tourism through events, marketing, promotion, ethical purchasing groups and projects related to the primary sector.

Participants were able to learn more on such issues by visiting local farms, carrying out field trips and discovering more about research conducted by the Mountain University.

The value of networking for Agricultural Enterprises: a case study "Hazelnuts in the Brianza hills and in the Viterbo Area"

Massimo Ornaghi - Direttore Generale ERSAF; Dr.ssa Villa Caterina - Azienda agricola Terre d'Orlando s.s.a; Dr Citterio Giacomo - Azienda agricola Citterio

The seminar dealt with a company project which, on the basis of a wish to diversify production and a network of contacts established almost by chance, is performing innovative experimentation in hazelnut growing in the hills of the Brianza area together with the setup of a new farm in the Viterbo area which manages a fully productive hazelnut orchard.

Day in University - Agronomist & Forester Day 2017

Doctor of Agronomy Gianpietro Bara, President of the Regional Federation of Agronomists- Prof. Giambattista Bischetti, Coordinator of the Undergraduate Course in Conservation and Sustainable Development of Mountain

Areas, - Elena Zanotti, Doctor of Forestry Councillor of the Order of Brescia - Marco Cicci, Junior Agronomist

The objective of the meeting was to promote the professions of Doctor of Agronomy and Doctor of Forestry and Forestry Junior, and of agricultural Biotechnologist, through the discussion of a range of topics, from the history of the profession to the professional register, from the World Charter of agronomists to training programs that allow access to the profession and inclusion in the Register.

The event included planned interventions of professional members of the Register on topics of current interest, related to professional skills regarding the 13 job areas and the professional disciplinary sectors identified by CONAF. The event was for students. Doctors of Agronomy and Doctors of Forestry of Lombardy were also invited.

NEW PUBLICATIONS



Giupponi L., Bischetti G.B., Giorgi A. (2017). "[A proposal for assessing the success of soil bioengineering work by analysing the vegetation: results of two case studies in the Italian Alps. Landscape and Ecological Engineering](#)". Landscape and Ecological Engineering: 1-14.

Giupponi L., Pentimalli D., Manzo A., Panseri S., Giorgi A. (2017). "[Effectiveness of fine root fingerprinting as a tool to identify plants of the Alps: results of preliminary study](#)". Plant Biosystems xx:xxx-xxx (online 03.04.2017).

Giorgi A., Pentimalli D., Giupponi L., Panseri S. (2017). "[Quality traits of saffron \(Crocus sativus L.\) produced in the Italian Alps](#)". Open Agriculture 2: 52-57.

Giupponi L., Bischetti G.B., Giorgi A., (2017). "[Vegetation analysis and estimation of forest reconstitution time in protected areas of Val Camonica \(Southern Alps\) where a commercial mixture of seeds was sown](#)". Eco.mont 9(1): 22-29.

ABOUT US



[Edolo: nove nuovi laureati all'Università della Montagna](#)
Gazzetta delle Valli - Giovedì 6 Aprile 2017

[Montagna disincantata. Il futuro è la rivoluzione dello sguardo](#)
Il manifesto IN MOVIMENTO - Giovedì 6 Aprile 2017

[Varietà in estinzione A Piamborno si rilancia il mais «nero spinoso»](#)
Brescia Oggi – Domenica 9 Aprile 2017

[NERO SPINOSO. IL MAIS DELLA VALLE](#)
TeleBoario – Mercoledì 19 Aprile 2017

[Cereali in montagna, non solo pane](#)
MyValley.it - Mercoledì 19 Aprile 2017

["Il Fiore nella Città": l'Università della Montagna di Edolo a Darfo Boario Terme in Fiore](#)
Gazzetta delle Valli - Giovedì 20 Aprile 2017

[Al via la manifestazione Darfo Boario Terme in Fiore](#)
QuiBrescia.it - Giovedì 20 Aprile 2017

[Università della Montagna, ecco l'Open Day](#)
MountLive.com – Domenica 30 Aprile 2017