

CIMAS

I INTERNATIONAL CONFERENCE ON MOUNTAINS, SIERRA NEVADA 2018

MOUNTAINS: SOURCES OF LIFE AND FUTURE



UNIÓN EUROPEA
Fondo Europeo Agrario de Desarrollo Rural
Fondo Europeo de Desarrollo Regional



JUNTA DE ANDALUCÍA



UNIVERSIDAD
DE GRANADA



Diputación
de Granada
Avanzamos juntos

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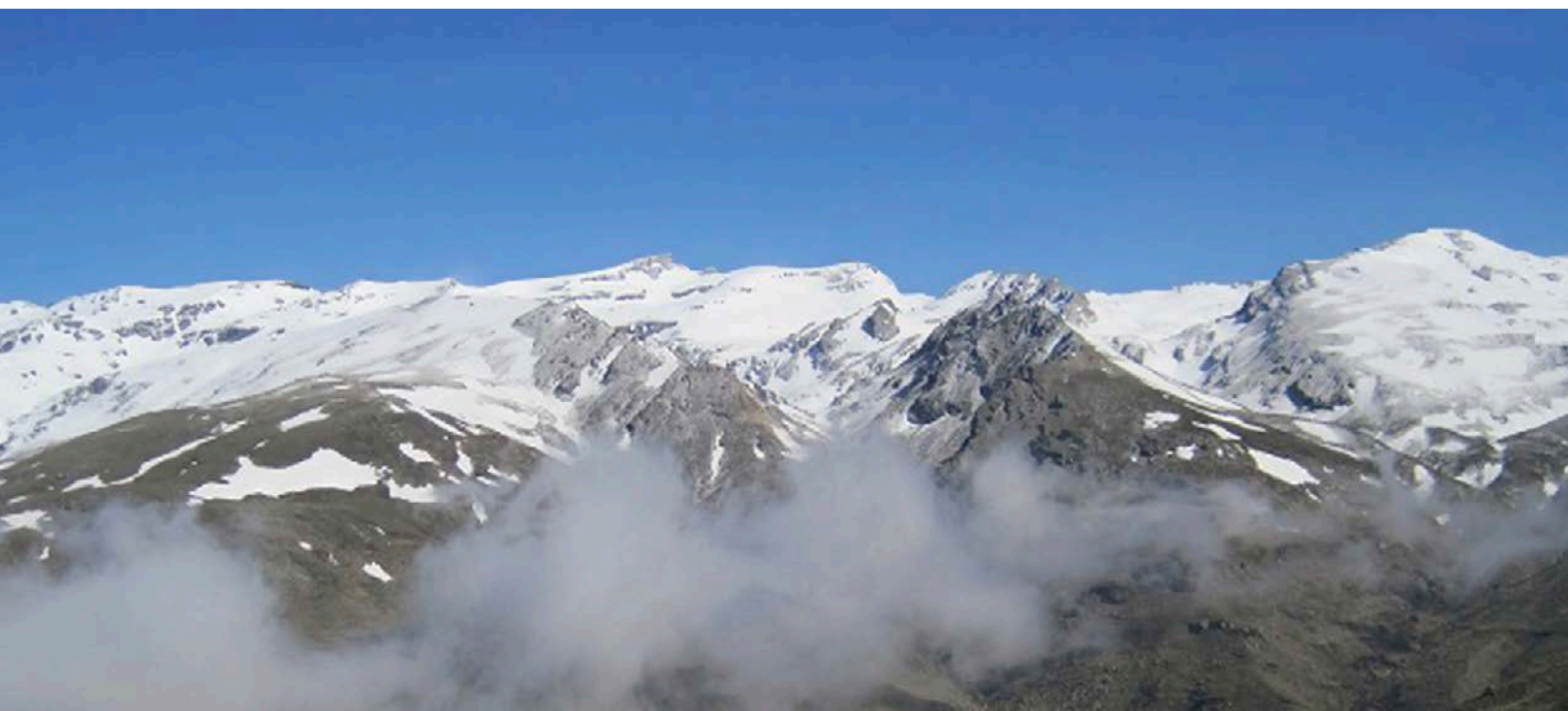
WELCOME

Mountain areas are facing some important changes caused by the double-edged sword that is globalization: on the one hand, the challenges of economic progress demand new paradigms to guarantee sustainable social development and, on the other hand, the consequences of climate change require special attention to reduce their effects and to mitigate the factors that caused it.

Sport tourism, nature and rural tourism, as well as the snow sports sector are key economic drivers for the towns and communities in mountain areas, but so are the natural resources supported by a biodiversity which needs to be preserved and protected in order to guarantee its conservation and involvement in the construction of the identifying elements of the peoples living in the area. Science and technology share the responsibility for reaching a meeting point between both visions; "conservation vs. economic development" needs innovative solutions and needs civil society, business sectors as well as its governments to be involved.

This is why at CIMAS we want to accommodate all the actors involved in the complex task of maintaining the mountain territories intact for future generations and, at the same time, guided by a desire that its inhabitants should improve their quality of life, satisfying, at the same time, new needs created by the evolution of markets and technology as well as the demands of new entrants, in order to guarantee economic prosperity.

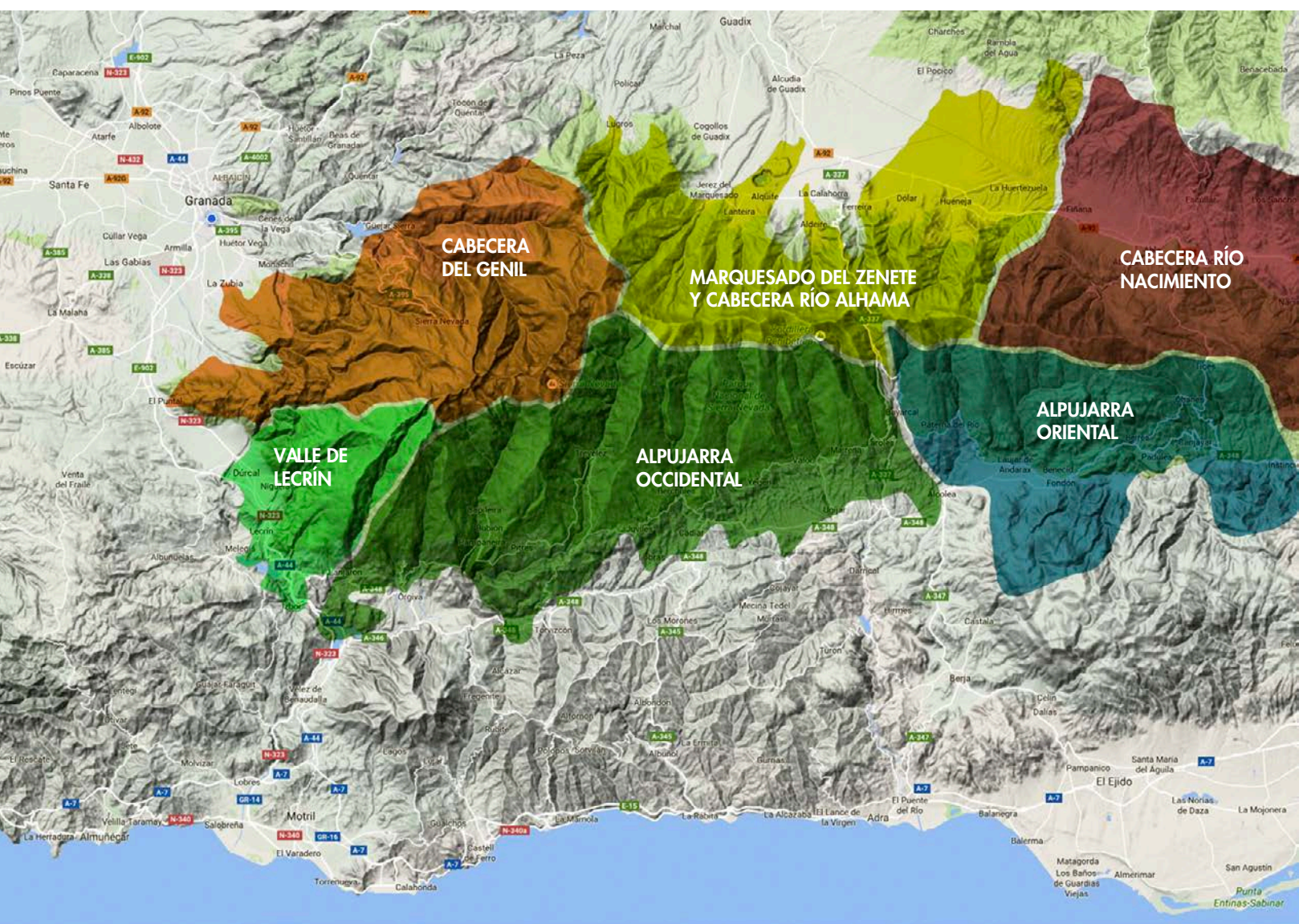
From the Conference and Exhibition Centre of Granada, Cetursa Sierra Nevada, The Sierra Nevada National/Natural Park and The University of Granada, want to welcome scientists from all the different fields (covering social and natural sciences), naturalists, students, businessmen and entrepreneurs, tourists, athletes, specialists from the different administrations, heads of public and private institutions, politicians, lawmakers, tour operators and travel agencies, ICT designers and developers.., so that, together, we can ignite a dialogue and encounter of new ideas to face the future of the mountain regions.



SITUATION

High peaks are inspirational for man, as they represent transcendental ascents and challenges; they represent human growth and the reconciliation with his environment. They represent what needs to be protected. Sierra Nevada (Biosphere Reserve) in some ways already is, but should be to an even greater extent in the future, an example of harmony between development and conversation, between tradition and future, between search and encounter (like those of the romantic travellers that have been putting it on the map since the XVI century), between scenery and

technology, between innovative efforts and enjoyment. This conference pretends to inspire the inclusive high road of knowledge, a lasting friendship between utilisation and enrichment (beyond mere conservation) of our environment, the holy pact between nature and its inhabitants for a real and sustainable form of progress. A real representation of the significance of the more than sixty villages that inhabit mountain lands, of the natural park, converting its history and heritage into the sustainable resources of its future and the future of its inhabitants.





GETTING TO
KNOW THE
MOUNTAINS



LOOKING AFTER,
PROTECTING THE
MOUNTAINS



BUILDING,
CREATING VALUE,
DEVELOPING VALUE,
INNOVATING IN THE
MOUNTAINS



CONNECTING
THE MOUNTAINS

CIMAS has got the firm resolve to come into existence at a conference that will be a reference on an international level because of its excellent organization, the quality of its contents, the reputation of its speakers and, above all, through proposing and defending the multidisciplinary and transversality in the scientific proposals and through encouraging hypotheses which integrate different visions

that help to guarantee economic sustainability, ecological richness and diversity as well as respect for the environment through knowledge of its natural and human landscapes. CIMAS will be a forum of exhibition, discussion and of consensus where knowledge and innovative ideas are contributed in order to make development and conservation compatible.

THE ENVIRONMENT

Sierra Nevada, one of the most unique mountain ranges on the planet, rises up only 30 km inland from the Andalusian Mediterranean coast. It belongs to the great group of Baetic mountain ranges. Its great altitude converts Sierra Nevada in the highest massif on the Iberian Peninsula and it explains the presence of very steep slopes which peak at Mulhacén at an altitude of 3.479 m. Its slopes are home to enclaves of great environmental value, areas imbued with historical and cultural richness and places of extraordinary touristic and sportive importance.

This extensive and diverse territory is constructing its model for the future on the foundations of a fruitful process of protection, from which it has reaped the rewards over the last decades: Biosphere Reserve in 1986, Natural Park in 1989 and finally the highest peaks and surrounding area were declared National Park in 1999. Its ecosystems provide essential services for human wellbeing, beyond its own limits, in the form of biodiversity, clean air and water, the use and utilisation of resources, areas for leisure and recreation as well as privileged areas for investigation and education.

The management of a natural space implies a firm commitment towards three crucial functions such as **Conservation**, in order to protect the genetic re-

sources, the species, ecosystems and landscapes; **Development**, in order to promote a sustainable form of economic and human development; **Logistic support** to sustain and foment activities involving investigation, education and training. At the same time this is a protected area which harbours a ski resort that organizes European and world championships, with a high capacity for generating wealth and a special dedication towards the combination of protection and development.

This is a conference without precedents because of its wide-ranging subject matter and its inclusive focus which sets as its objectives the environment, science, sustainability and sports with a clear determination to find the fundamental principles that guarantee these mountain areas the future of their inhabitants, the enjoyment of their visitors and the care for its natural environment. A Conference that takes on the role of the First International Conference on Sierra Nevada: Conservation and Sustainable Development held in Granada in 1996, expanding its theme and working towards an integrative approach in its objectives on the environment, science, sustainability and sport, with a clear desire to find the fundamental principles that guarantee the mountain areas the future of its inhabitants, the enjoyment of its visitors and the care of the natural environment.



AREAS OF INTEREST



THE CONSERVATION OF
NATURAL HERITAGE

SUSTAINABLE
DEVELOPMENT

THE FIGHT AGAINST
GLOBAL CHANGE

ECONOMY AND
DEVELOPMENT

TOURISM AND SPORTS

CULTURAL HERITAGE
AND HISTORY

INFRASTRUCTURE AND
CIVIL ENGINEERING

SCIENTIFIC
RESEARCH

INNOVATION

NEW IDEAS

TO WHOM IS IT DIRECTED?

- **The scientific community** in those areas that are related to the Conference.
- **Institutional leaders**, specialists and politicians, on all administrative levels (local, regional and national) both Spanish and European.
- People in charge of **research, development and innovation** in companies involved in these fields of knowledge, in the capacity of buyers or as investors/vendors.
- **Entrepreneurs** (SMEs and the self-employed, start-ups) who are active in the sector of speciality tourism (active, ecotourism, wine tourism, etc.), the environment, etc., who are interested in exchanging experiences and projects.
- **Disseminators** in their different contexts: scientific, teaching, cultural, touristic, ...
- University **students** and students in higher vocational training in these areas.

SECTORS

- Environment
- Civil Engineering
- Tourism
- Energy
- Natural and sports medicine
- Sports
- The winter sports sector
- The leisure and adventure sector
- The scientific and cultural dissemination sector
- Mobility
- Agriculture
- New technologies
- Territorial planning
- Security
- Finance, investment and insurance
- Training and research
- Local administration

TARGET AUDIENCE

- Researchers and scientists
- Students of Higher education establishments
- Tourist offices
- Tour operators and Travel agents
- Hotels and restaurants
- Agents of local corporations, associations and provinces
- Building firms and engineering companies
- Providers of the winter sports sector
- Suppliers of mountain equipment
- Maintenance and security firms
- Energy suppliers
- Telephony operators
- ICT developers
- Sport federations and associations
- The bank and insurance sectors
- Fintech and Insurtech
- Chambers of Commerce
- Agricultural associations
- Publishing companies
- Communication and broadcasting companies
- The general public

INVITED MOUNTAIN RANGES



SIERRA NEVADA
OF STA. MARTA
(Colombia)



MOUNTAIN RANGE
OF HUASCARÁN
(Peru)

PROVISIONAL SCIENTIFIC PROGRAMME

AREA	TO KNOW	TO LOOK AFTER / TO CONSERVE / TO PROTECT
SUBAREA	<ul style="list-style-type: none"> • Natural heritage: geology, geomorphology, zoology, botany, hydrology, geography, landscape, edaphology • Cultural heritage: habitat, traditions, history, economy, society,... • Agricultural heritage: agriculture, livestock, transformation 	<ul style="list-style-type: none"> • Threats: e.g. fire, overexploitation... • Global change • International protection initiatives • Protection of the services of ecosystems
DESCRIPTOR	<ul style="list-style-type: none"> • Geological stratification • Forms of relief • Grounds map • Glaciology • Natural history • Endemic species in flora and fauna • Agriculture and live stock • Cultural and natural heritage • Mountain landscapes • Colonization of mountain areas • Ethnography and sociology • Social, cultural and economical history 	<ul style="list-style-type: none"> • Challenges of mountain agriculture • Melt and runoff waters • Reproductive ecology • Restoration • Fire prevention • Population identity. Management programmes at a regional level and their legacy • Incorporation and fitting of the protection measures • Comparative studies of protection • Success stories regarding sustainability measures
CONTENTS	<ul style="list-style-type: none"> • Extrapolation of the thermal sequences in Sierra Nevada in order to warn about a change in global temperature. • Review of cases described in behavioural ecology regarding changes in biological or reproductive behaviours due to climate related or anthropogenic agents. • Movements of hillside and forest decay, evolution over the last ten years. • Influence of global change on the biological sequence of soils and plant mass. • Description of the agricultural resources and traditional farmers in high-lying mountain areas and their direct influence on the conservation of the natural environment. • History of the mountains: milestones, travellers, exploits, encounters and disagreements • The mountains in the arts: music, painting and literature • Religion and the mountains • Life in the mountains: the conditions of rural life in mountain areas • War in the mountains: Moriscos, guerrillas, civil war, Maquis, bandits and smugglers • The historical use of the mountain resources: wood, plants, minerals, snow • Historical infrastructures linked to mountain life: shelters, lodges, cottages, irrigation canals • Origins and evolution of mountaineering: chasing the futile 	<ul style="list-style-type: none"> • Agriculture in traditional, high-lying mountain areas and its consequences for the preservation of autochthonous species. • Present and future of the landscape bordering the Natural Parks in mountain areas, of intensive greenhouse agriculture. How? Until where? Until when? • Turn vice into virtue in landscapes. How to modify the plastic sea • Accumulation, canalization and uses of water in high-lying mountain areas from a traditional perspective, for consumption, agricultural use and conservation of hillside vegetation. • Influence of the lower water intake in form of snow on the annual hydrological balance, on the landscape and on the aquifer of the plains at the foot of the mountains. • Systems of conservation of the mountain lagoons. Reversible and irreversible cases • Regeneration programmes for endangered forest species. • Reproduction programmes for animal species that are endangered or forced to migrate • Risks related to the introduction of new species or to the repopulation of species in danger of extinction as opposed to the conservation of endemic species. • Risks related to extensive farming in protected natural landscapes (national parks) • Hunting to avoid overpopulation as opposed to the introduction of natural predators. • Implications of economic development for climate change in mountain environments and global change.

AREA	TO CREATE / TO BUILD / TO GENERATE VALUE TO DEVELOP / TO INNOVATE	TO COMMUNICATE TO SENSITIZE THE COMMUNITY
SUBAREA	<ul style="list-style-type: none"> Economic activities: tourism and sports Facilities and infrastructures Sustainable development Ski resorts 	<ul style="list-style-type: none"> Image, reputation and brand Communication and environmental commitment Information and communication technology production and the mountains Multimedia and transmedia Environmental and Liberal arts
DESCRIPTOR	<ul style="list-style-type: none"> Hydrological infrastructure Economy and management of Natural Parks and Ski Resorts Sustainable tourism Water economy Water safety Adapted sports and sports law 	<ul style="list-style-type: none"> Nutrition Drones Augmented reality Agendas 2020 and 2030 Gastronomy of high-lying mountain areas Destination branding Art, literature, poetry, photography Sports law Environmental education CSR
CONTENTS	<ul style="list-style-type: none"> New frontiers of the snow sports industry The Snowsat system as a technological adjustment towards global change. Commercial adjustment towards global change. Operational problems: Ice on the skilifts.. The integration of different players on the mountain scene. The French case. Research in biomechanics applied to skiing. Improvements in the development of materials and training systems. Hydrological infrastructure. New vs. Traditional forms and materials for accumulating and channeling water. Impact on soil and vegetation. Policies of sustainable tourism in mountainous environments. Proposal to adapt current legislation to the new environmental reality and market tendencies. Water governance. Water and sustainability within the context of climate change. Challenges related to the implementation of human rights in matters of water and sanitation. Alternative economic models to the plastic greenhouses in valley agriculture and bordering coastline. The role of the designations of origin and bio-sustainable crops. Prevention, great subject in the Spanish mountains. Good practice to improve safety in the mountains Rescue dog/guide in case of avalanches Importance of the irrigation ditches in Sierra Nevada Ecotourism in mountain areas, source of livelihood? Crops in high-lying mountain areas (vine, olives,...) Nature photography under extreme conditions The socio-economic phenomenon of sports competitions in natural mountain areas: need for sustainable development. Shelter network in Sierra Nevada. Needs for action, defending the cultural heritage and conservation of the peaks. Analysis of systems of approach towards and visiting of the national parks. Landmark Mountains. 	<ul style="list-style-type: none"> Nutrition in high-lying mountain areas, trends and advances in the creation of products. Nutrition in high-lying mountain areas, relevant aspects from the point of view of nutrient delivery in traditional cuisine. Sports law, regulation within the framework of new extreme sports. The use of drones in the mountains in order to facilitate research tasks, conservation and support during operations involving risk or rescue. Environmental education, towards a new legal framework which implies sensitizing students and parents. New technologies for the development of the visual arts in rural environments and in high-lying mountain areas. Integration of new solutions of augmented reality within the context of environmental education Declaration of principles of the combined representatives of mountain resorts and of protected areas set out in a document which will serve as a platform for the creation of an "intermountains" federation which will set out commitments and a calendar to reach objectives related to integration of sustainability and economic development programmes in response to global change. Models of social responsibility in relation to programmes of sustainable development in companies and sectors related to the environment of "Mountains" and "snow". Knowledge of the natural environment in education programmes of preschool and young learners. Museums, visitor centres, nature classrooms as a contribution towards the acquisition of respectful knowledge of the environment and of the activities therein. Integrated communication and the mountains Reputation and brand management of the resorts and national parks

CALENDAR (From March 8th to 11th 2018)

THURSDAY					
08:30 - 09:00	REGISTRATION				
09:00 - 11:00	ROUND TABLE Culture and biodiversity in the Mediterranean mountains. A necessary alliance.	ROUND TABLE Winter sports. A life in the snow.	ROUND TABLE National mountain parks: looking to the future after a successful century.	Guest speaker Roberto Rodríguez Fernández. Guest speaker José Miguel Azañón Hernández	
11:00 - 11:30	BREAK				
11:30 - 12:30	Official inauguration session for institutions				
12:30 - 13:30	INAUGURAL: EDUARDO MARTÍNEZ DE PISÓN				
13:30 - 14:30	PLENARY: PAUL MATHEVS. New frontiers in the snow industry				
14:30 - 15:00	LUNCH				
15:00 - 17:00	VIII SCIENCE AND MOUNTAINEERING SEMINAR: Sustainable climbing	ROUND TABLE --	PARALLEL SESSION Biodiversity at altitude and its dynamics. Processes and challenges in the era of global change.	Guest speaker Francisco del Corral del Campo Communications	
17:00 - 17:30	BREAK				
17:30 - 18:30	ROUND TABLE Issues regarding hoofed animals in National Mountain Parks	ROUND TABLE From the mountains to the sky: Conservation and protection of night sky quality	PARALLEL SESSION Biodiversity at altitude and its dynamics. Processes and challenges in the era of global climate change	PARALLEL SESSION Physiological effects of sport and mountain activities in Sierra Nevada	
18:30 - 19:30					
FRIDAY					
08:30 - 09:00	POSTER				
09:00 - 11:00	ROUND TABLE Ecotourism: From concept to experience in light of the European charter on Sustainable Ecotourism	ROUND TABLE Atmospheric aerosol in mountain areas and its effects on climate.	Guest speaker Juande Jiménez Aguilera. Guest speaker Giampiero Sammuri	PARALLEL SESSION Instruments of promotion and control of sport- and tourism related activities in protected natural spaces.	PARALLEL SESSION Decline of the vegetation and global climate change in mountainous systems.
11:00 - 11:30	BREAK				
11:30 - 12:30	PLENARY: CATHERINE POLETTI. Environmental Evaluation of the UTMB				PARALLEL SESSION Decline of the vegetation and global climate change in mountainous systems.
12:30 - 13:30	--				
13:30 - 14:30	PLENARY: INTERFACE SCIENCE-MANAGEMENT. University Rector UGR, University Rector UAL and councillor of the environment.				
14:30 - 15:00	LUNCH				
15:00 - 17:00	ROUND TABLE ATUDEM Security in ski resort	VIII SCIENCE AND MOUNTAINEERING: Singular CIMAS: Responsible mountaineering	ROUND TABLE The socio-economic phenomenon of sports competitions in natural mountain areas	ROUND TABLE Marketing and Management in mountains protected areas	PARALLEL SESSION Tackling global climate change in protected areas
17:00 - 17:30	BREAK				
17:30 - 18:30	PLENARY: NOELIA VALLEJO: Dirección General de Medio Ambiente de la Comisión Europea. "Action Plan in favour of nature, people and the economy."				
18:30 - 19:30	PLENARY: CARLOS SORIA				
SATURDAY					SUNDAY
08:30 - 09:00	POSTER				Visit Sierra Nevada, National Park and ski resort
09:00 - 11:00	Seminar AGESPORT	PARALLEL SESSION Interface science-management. Society within the context of global climate change	ROUND TABLE Aquatic ecosystems of the high mountains, watchmen of global climate change.	ROUND TABLE Marketing and Communication in protected areas	
11:00 - 11:30	BREAK				
11:30 - 12:30	PLENARY: ANDREW RHODES				
12:30 - 13:30	CLOSING SESSION: JOAQUÍN ARAÚJO				
13:30 - 14:30	CHAMBER CONCERT ORQUESTA CIUDAD DE GRANADA				
14:30 - 15:00	LUNCH				

Organized by:



Fundación
General
UGR-Empresa

CIMAS UNIVERSITY COURSE PROGRAMME

MODULES / TOPICS	TEACHERS	Nº OF HOURS TAUGHT
Reconstruction of the vegetation and the changes in land use in Sierra Nevada drawn from a palynological analysis.	Gonzalo Jiménez Moreno. <i>Dept. of Stratigraphy and Paleontology. UGR</i>	1
Altitudinal changes in the composition and abundance of the communities of benthic invertebrates.	Carmen Zamora Muñoz. <i>Dept. of Zoology. UGR</i>	1
Changes in the productivity of the vegetation by means of teledetection.	Domingo Alcaraz Segura. <i>Dept. of Botany UGR.</i>	1
Hydraulic balance and sediment transport in river basins of Sierra Nevada.	Agustín Millares Valenzuela. <i>Dept. of Structural Mechanics and Hydraulic Engineering. UGR.</i>	1
Changes in the distribution and abundance of the endemic flora of Sierra Nevada	Juan Lorite Moreno. <i>Dept. of Botany. UGR</i>	1
Glaciers and permafrost in Sierra Nevada from the Little Ice Age up to the present	Marc Oliva Franganillo. <i>Landscape management and evolution Service. Barcelona University</i>	1
Deposition of aerosols and impacts on the aquatic systems.	Manuel Villar Argáiz. <i>Dept. of Ecology. UGR</i>	1
Taking the European Landscape Treaty as a starting point (Convention of Florence 2007)	Antonio Baena Extremera. <i>Professor of Educational Science at the UGR</i>	1
Parallel Experience between Sierra Nevada and the Himalaya.	Leonardo Andrade Luque. <i>Mountaineer, graduate in P.E. and owner of the company Vive Aventura</i>	1
The mountains as a place of balance in today's world.	Miguel Rodríguez Rodríguez. <i>Mountaineer, graduate in P.E. and owner of the company Tribal Training</i>	1
Legal set up of sports in a natural environment. Relationship with tourism, sustainable development and territorial planning	Ignacio Jiménez Soto. <i>Director of the Chair of Sports Law. UGR.</i>	1
Sierra Nevada as a National Park: associations and protection	Mauricio Gonzalez Morales. <i>Mountaineer, lawyer and legal consultant of protection associations</i>	1
The integral of Sierra Nevada: risk management and a vision from the point of view of sportive survival	Justino Cebeira Fernández. <i>Dept. Physical and Sports Education. UGR</i>	1
Adapted sports as a tool for integration in the mountains	Jorge Pérez de Leza. <i>President of the Foundation Sports and Challenge</i>	1
Non-commercial goods for a sustainable management of the rural areas of the mountains	Samir Sayadi. <i>Researcher IFAPA</i>	1
MASTERCLASS	Carlos Soria Fontán. <i>Alpinist</i>	1
MASTERCLASS	Jorge Wagensber Lubinski. <i>Director of the Barcelona Science Museum</i>	1
MASTERCLASS	Vladimir de Semir Zivojnovic. <i>Scientific Journalist. President of the Centre of Science, Communication and Society Studies of the Pompeu Fabra University</i>	1
PRACTICES Excursion to National and Natural Park Sierra Nevada.	Regino Zamora Rodríguez. <i>Ecology Lecturer at the UGR</i> Justino Cebeira Fernández. <i>Professor of the Physical Education and Sports Department of the Faculty at the UGR</i>	7
PRACTICES Excursion to National and Natural Park Sierra Nevada for: MASTERCLASS Nature photography MASTERCLASS A particular view of Sierra Nevada: Sheperding	Roberto Travesí Idáñez. <i>Professional photographer</i> Francisco de Asís Ruiz Morales.	5

Information and inscription:
www.cimas21.org/inscripciones · Tel.: +34 958 246 700
www.fundacionugrempresa.es/formacion/
[cursos@fundacionugrempresa.es](mailto: cursos@fundacionugrempresa.es) · Tel. +34 958 240 881

Duration of the course: 75 hours in total/ 30 class hours.
 3 ECTS credits requested.
 Consult recognition on the webpages:
cimas21.org and fundacionugrempresa.es/formacion



CIMAS

MOUNTAINS CINEMA SERIES



Mountains cinema series in the Manuel de Falla room of the Conference Centre, from 5-8 of March, at 9 PM. Entrance fee of 5€ per session or 15€ for the 5 days.

Discounts: 20% off official fees for conference goers, students of the CIMAS course and TuPalacio friends. Tickets on sale at Redentradas.com and at tupalacio.org

SELECTED FILMS

monday 5

Dirtbag (2017)
USA - Documental, 1h 36 min
Dir.: Dave O'Leske

The frozen road (2017)
UK - Documental, 24 min
Dir.: Ben Page

tuesday 6

Mountains (2017)
Australia - Documental, 1h 13 min
Dir.: Jennifer Peedom

The last Honey Hunter (2017)
USA - Documental, 35 min
Dir.: Ben Knight

Where the wildthings play (2017)
USA - 4 min
Dir.: Krystle Wright

The time within (2017)
USA - 5 min
Dir.: Ben Sturgulewski

wednesday 7

Nanga Parbat (2010)
Germany - Fiction, 1h 44 min
Dir.: Joseph Vilsmaier

La mina: historia de una montaña sagrada (2008)
Documental, 12 min
Dir.: Survival Internacional

thursday 8

Un día perfecto (2015)
Spain - Fiction, 1h 46 min
Dir.: Fernando León de Aranoa

El último hielero (2012)
Ecuador - Documental, 15 min
Dir.: Sandy Patch

SHORT FILM COMPETITION CIMAS 2018

We announce the first edition of the Online Short Film Festival CIMAS 2018

- Any natural or legal person can participate regardless of nationality as long as he/she is 18 or older. The number of short films that can be entered is unlimited.
- The duration of the short films should not exceed 10 minutes and have to be original and unpublished.
- The short films can compete in the following categories:
Mountain sports- Life and traditions- Defence and protection of the environment.
- The online convocation of short films will start on the 15th of January and will end on the 20th of February at midday CET.
- You can consult the complete rules of the convocation on our website:
<https://cimas21.org/ciclocine/>

OPEN CIMAS

Which parallel actions does CIMAS include?

- Exhibition of mountain photography
- Series of mountain films
- Concerts for the mountains
Antonio Arias and friends
- Concert by the Granada City Orchestra
- Exhibition area for companies
- Guided excursions to the natural space Sierra Nevada with a playful and pedagogical purpose: Ski resort, Alpujarra, Marquesado, Lecrín Valley
- Volunteer work
- Networking event
- Street marketing



CIMAS PRIZE FOR YOUNG RESEARCHERS

CIMAS PRIZE FOR YOUNG RESEARCHERS

Prize for end-of-degree projects, end-of-master projects and Doctoral Thesis.

- Those end-of-degree or end-of-master projects as well as doctoral theses that are related to the contents of the conference can be presented as a communication and that have been defended from 2013 until the celebration of the congress.
- They are required to follow the instructions for the presentation of communications laid out in these regulations.
- A special prize will be awarded for each of the three categories, as decided by the scientific committee whose decision will be based on the scientific quality and contribution to any of the areas defined in the CIMAS program. This prize will consist in the publication in the official records of the conference and an economic compensation of 300€ in any of the mentioned categories.
- The author of the communication needs to be registered at the conference and is eligible for the student tariffs.

Annex 1

RULES REGULATING THE PRESENTATION OF COMMUNICATIONS INTERNATIONAL CONFERENCE ON MOUNTAINS SIERRA NEVADA 2018

From March 8th to 10th 2018

1. **Presentation format.** The communications must be sent in Word format (doc, docx, odt) with the following format: top margin 3 cm, bottom margin 2,54 cm., left 2,54 cm and right 2 cm. Normal spacing, font Times New Roman with the font sizes and formats as specified in the attached template.
2. **Format of the communication:** The outline of the communication will be reflected in the attached Word template "[Standards_communications.dot](#)", whereby fonts and font sizes have to be adhered to as well as the models for charts and illustrations.
3. The extent of the communications will not exceed 20 pages, including references and all the figures, including the first one dedicated exclusively to the title and authors.
4. They will contain the following sections:
 - a. Title
 - b. Author or authors
 - c. Reference of the centre of origin of every author.
 - d. Summary
 - e. Key words
 - f. Abstract
 - g. Introduction
 - h. Discussion (justification of data, analysis of results,...)
 - i. Conclusions
 - j. references
5. The references within the text must be indicated in brackets as in the example:
(Martínez, J. 2012)
6. All communications must be forwarded to the following e-mail address: comunicacion@cimas21.org, before **January 15th 2018**. And the relevant area which constitutes the framework for the communication must be indicated (Knowledge, Conservation, Build/ Create value, Communication)
7. Once the communication has been reviewed by the scientific committee, its acceptance will be communicated to the principal author by e-mail to the address from which it was forwarded within two months of the deadline for delivery of the communications.
8. In case of acceptance, at least half of the authors who signed the communication should register for the conference. The presentation of the communication should be forwarded in ppt or pptx format 15 days prior to the celebration of the conference to the following e-mail address: comunicacion@cimas21.org.
9. The accepted communications will be included in the records of the conference for the publication and physical or electronic dissemination of which the author or authors grant their express authorization, in accordance with the Law 27/1995 of Intellectual Property and the law 15/1999 of Protection of Personal Data.

Annex 2

RULES REGULATION POSTER PRESENTATION INTERNATIONAL CONFERENCE ON MOUNTAINS SIERRA NEVADA 2018

From March 8th to 10th 2018

1. **Presentation format.** The posters must be sent for review in pdf format, size 50x100 cm and must comply with the outline indicated in the attached Word template "Normas-poster.doc", whereby fonts and font sizes have to be adhered to as well as the models for charts and illustrations.
2. They will contain the following sections:
 - a. Title
 - b. Author or authors
 - c. Reference of the centre of origin of every author.
 - d. Introduction and objectives
 - e. Methodology
 - f. Results
 - g. Discussion
 - h. Conclusions
3. The posters have to be forwarded to the following e-mail address: comunicacion@cidas21.org, before **January 15th 2018**. And the relevant area which constitutes the framework for the communication must be indicated (Knowledge, Conservation, Build/Create value, Communication)
4. Once the poster has been reviewed by the scientific committee, its acceptance will be communicated to the principal author by e-mail to the address from which it was forwarded within two months of the deadline for delivery of the communications.
5. In case of acceptance, at least one author who signed the poster needs to register for the conference. Every author will be responsible for printing, transport and safekeeping of the poster until the day of the exhibition in the facilities indicated by the Convention and Exhibition Centre of Granada. The official programme will specify the days and times at which the posters will be exhibited as well as a defence of the posters.
6. The accepted posters will be included in the records of the conference as annexes for the publication and physical or electronic dissemination of which the author or authors grant their express authorization, in accordance with the Law 27/1995 of Intellectual Property and the law 15/1999 of Protection of Personal Data. At the same time, the author or authors can authorize the publication of the poster on the web page cidas21.org for public display after the celebration of the conference.

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"In the distance was romantic Granada surmounted by de ruddy towers of the Alhambra,
while far above it the snowy summits of the Sierra Nevada shone like silver"

(Washington Irving, 1829)

« J'aime d'un fol amour les monts fiers et sublimes!
les plantes n'osent pas poser leurs pieds frileux
sur le linceul d'argent qui recouvre leurs cimes;
le soc s'émousserait à leurs pics anguleux »

(Théophile Gautier, 1845)

"El río Guadalquivir
va entre naranjos y olivos
los dos ríos de Granada
bajan de la nieve al trigo"

(Federico García Lorca, 1921)

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