



HIGH SUMMIT COP26

International Conference on
Mountains, Climate Change
and Sustainable Development

25 August 2021 - International Workshop HIGH SUMMIT COP26 Pakistan - Gilgit, Pakistan
24 - 25 September 2021 - INTERNATIONAL CONFERENCE - Fondazione Minoprio, Como
01 - 12 November 2021 - SIDE EVENT at COP26 - Glasgow, Scotland
22 September - 12 November 2021 - CULTURAL EVENT - Como



**MOUNTAIN
GENIUS**





"Together with the United Kingdom - with which this year we have the parallel presidencies of the G7 and G20 - we will focus on sustainability and 'green transition' in view of the forthcoming Conference of the Parties on climate change (COP 26), with a particular attention to actively involve the younger generations, through the 'Youth4Climate' event".



Mario Draghi,
Italian Prime Minister February 17, 2021

"We are pleased to inform you that your event has been included in the 'All4Climate – Italy 2021' Program promoting 2021 as the Year of Climate Ambition".

All4Climate Team
link: <https://all4climate2021.org>



"Protecting the environment, promoting sustainable growth, enhancing biodiversity, and defending fragile territories are some of the priorities that politics must pursue with commitment and determination. These actions require the involvement of everyone - businesses, citizens, students, and public administrations - in order to create a better future for the next generations".

Attilio Fontana,
President of Regione Lombardia

HIGH SUMMIT COP26

organized by:



25 August 2021

- International Workshop HIGH SUMMIT COP26 Pakistan - Gilgit, Pakistan

24 - 25 September 2021

- International Conference HIGH SUMMIT COP26 Italy - Minoprio Foundation, Como, Italy

1 - 12 November 2021

- Side Event HIGH SUMMIT COP26 - Glasgow, United Kingdom

22 September - 12 November 2021

Exhibitions:

"The Mountain Genius Challenge", by Agostino da Polenza and Pietro Coerezza, Minoprio, Como

"High Altitude Cleaning", by Paolo Pettrignani, Minoprio, Como

"High Altitude Energy", by Cobat, Minoprio, Como

"2000 meters above human things: alpine huts: history, typology, functions", by Luca Gibello, Minoprio, Como

"Redesigning the Capanna Margherita", curated by Graziano Salvalai, Polytechnic University of Milan - Minoprio, Como

"Contemporary architectures in the western Italian Alps", by Antonio De Rossi and Roberto Dini, Minoprio, Como

"La buona Neve. Tribute to Rolly Marchi for the Milan-Cortina 2026 Olympic Games", by EvK2Minoprio, Minoprio, Como

"We are On the top! The summit of K2 and the faces of a people", by Michele Cucchi and Agostino Da Polenza.

The virtual photographic exhibition can be visited on mountaingenius.org

The image is a vertical composition. The top half shows a massive, rugged mountain range with steep, rocky slopes and patches of snow. The sky is blue with some light clouds. The bottom half shows a deep, narrow valley filled with dense green coniferous forest. In the center of the valley is a small, clear blue lake that reflects the surrounding trees and the sky. A semi-transparent white banner is overlaid across the middle of the image, containing the text 'HIGH SUMMIT COP26' and the website 'www.mountaingenius.org'.

HIGH SUMMIT COP26

www.mountaingenius.org

Photo of Rottonara by Pixabay

Mountains in a nutshell

Mountains are unanimously recognized as “sentinels of environmental changes”: they respond rapidly and intensely to climatic and environmental modifications and can lose essential ecosystem services, menacing the well-being of people depending on high-altitude resources.

27 %

of world's land surface is covered by mountains

15%

of global population lives in mountain

1.9

billion of people depend on mountain water resources

60-80%

of freshwater resources are provided
by mountains

40%

of the world's irrigation is supported by mountains
water flows

50%

of the world's biodiversity hotspots are located in
mountains

25%

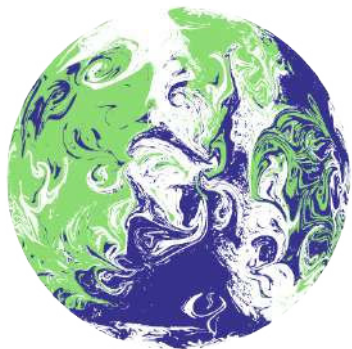
of terrestrial biological diversity derives from mountain
ecosystems

30%

of world natural and cultural heritages are located
in mountains

15-20%

of global tourism is mountain tourism



UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY

HIGH SUMMIT COP26

International Conference on Mountains, Climate Change and Sustainable Development

Background

For the first time, the IPCC's 6th Assessment Report (AR6 Special Report on the ocean and cryosphere in a changing climate, Chapter 02 - High Mountain Areas) dedicates a chapter to the impacts of climate change on mountain environments, thus demonstrating the growing of the awareness on those ecosystems, their fragility, the importance of their resources, fundamental for our lives and the need of taking urgent actions to protect them. Mountain areas globally host 15% of the world's population, and the Cryosphere is a fundamental component of them. Widespread cryosphere changes affect physical, biological and human systems in the mountains and surrounding lowlands, with impacts evident even in the ocean. Evidence of the impact of climate change on snow cover, glaciers and permafrost are visible in the alterations of most related natural hazards, increasing the exposure of people and infrastructure, due also to growing population, tourism and socioeconomic development. Changing in cryosphere and variations in the amount and seasonality of runoff cause impacts on water resources and agriculture, but also on species composition and abundance and on tourism and recreation activities such as skiing, glacier tourism and mountaineering. Adaptation in agriculture, tourism and drinking water supply has aimed to reduce the impacts of cryosphere change, though there is limited evidence on their effectiveness owing to a lack of formal evaluations, or technical, financial and institutional barriers to implementation. Future projections of cryospheric changes, their impacts and risks, and adaptation in high mountain areas highlight that current trends in cryosphere-related changes in high mountain ecosystems are expected to continue and impacts to intensify, with negative impacts on agriculture, hydropower and water quality in some regions but also on cultural assets, such as snow- and ice-covered peaks in many UNESCO World Heritage sites. Tourism and recreation activities are also expected to be negatively affected by future cryospheric changes in many regions. Target n.1 of Sustainable Development Goal n°15 explicitly mentions mountains among the ecosystems to be conserved, restored and sustainably used in line with international agreements.

By providing key environmental services such as freshwater, biodiversity conservation and hydropower to more than half of humanity, mountain ecosystems play a critical role in world development. Mountains are essential for long-term sustainable global development, poverty alleviation and the transition to a green economy underlying the importance of pursuing and investing in sustainable mountain development. In order to face those scenarios, a global engagement is fundamental to define adaptation planning at different level (regional, national and global) supported by concrete actions embedded in international multilateral cooperation.

The Conference

High Summit COP26 - International Conference on Mountains, Climate Change and Sustainable Development aims at proposing a high-level platform to provide an overview and an updating on the current state-of-the-art of the global situation, on the new and implemented adaptation measures, on the actions needed to protect mountains ecosystems, as well as challenges and opportunities to promote their sustainable development.

The event will foresee three key moments

1. A workshop that will take place at the Karakoram International University of Gilgit in Pakistan, which is focused on the importance of mountain actions and upcoming COP events.
2. A scientific conference of two and a half days held in September during the Pre-COP event program in Italy. The conference will be organized in 8 thematic sessions: Each session will be opened by a plenary lecture by a keynote speaker, followed by 6/7 scientific and technical presentations by relevant international scientific experts
3. A wrap up event held in Glasgow during the COP26 side event program, to summarize the key outputs of each thematic sessions resumed in a summary report presented by main conference keynote speakers.

Conference Moderators and Speakers

Relevant panelists by main international institutions and scientific organizations will be invited to participate in the conference. Main involved organizations will be: UN agencies (UNEP, UNDP, WMO, Mountain Partnership Secretariat, IUCN) Research institutions and Universities, International Organizations (World Bank, MRI, WWF, ICIMOD), national and international experts.

Conference Organizer and Partner

EvK2Minoprio in collaboration with Minoprio Foundation and EVK2 chartered association, Mountain Partnership Secretariat, WMO, UNDP, Italian Embassy in Islamabad - Pakistan Italia, Pakistan Embassy in Italy, Government of Gilgit-Baltistan, AICS - Islamabad, NAST-Nepal Academy of Science and Technology, Lombardy Region, Cariplo Foundation, World Bank, ENEA, Sky Italia, University of Milan, Polytechnic of Milan, Cagliari University, Turin University, Padova University, Chieti University, Siena University, Ferrara University, Department of sustainable engineering - Guglielmo Marconi University, National institute of oceanography and experimental geophysics (OGS), CNR-Water research institute, CNR-Institute of clinical physiology.

High Summit Scientific Committee

- **Stefania Proietti**, President of EvK2Minoprio Scientific Committee, Marconi University, Mayor of Assisi
- **Elisa Vuillermoz**, Executive Coordinator of EvK2Minoprio
- **Paolo Sdringola**, ENEA
- **Maurizio Maugeri**, University of Milan, IPCC Report Author
- **Guglielmina Diolaiuti**, University of Milan
- **Stefano Bocchi**, University of Milan
- **Andrea Lami**, Water Research Institute, CNR
- **Rosalaura Romeo**, Mountain Partnership Secretariat
- **Efrem Ferrari**, World Bank consultant
- **Gianantonio Arnoldi**, CEO of CAL
- **Annalisa Cogo**, University of Ferrara
- **Anna Giorgi**, University of Mountain
- **Maurizio Gallo**, President of EvK2Minoprio

High Summit Organizing Committee

- **Ignazio Perego**, Minoprio Foundation
- **Stefania Cantaluppi**, Minoprio Foundation
- **Sabrina Salvi**, Minoprio Foundation
- **Alberto Cortinovis**, EvK2Minoprio
- **Pietro Coerezza**, EvK2Minoprio

HIGH SUMMIT COP26 CONFERENCE PROGRAM

1° DAY – 24 september

8:15 am - 8:45 am

Conference Check-In and Welcome Coffee

9:00 am - 10:15 am

Welcome remarks e Opening remarks

10:30 am - 12:30 am

Parallel Sessions

Sala Conferenze

TOWARDS 2030: Climate
Actions In Mountain
Regions

Sala dei Gessi

Water Towers Of The
World: Glaciers And Water
Resources Management

12:30 am - 2:00 pm

Lunch buffet

2:00 pm – 4:00 pm

Parallel Sessions

Sala Conferenze

Connectivity and Transportation:
New Development and Future
Perspectives

Sala dei Gessi

Ecosystem, Biodiversity
and Mountain Protected
Areas as Opportunity for
Development

4:00 pm - 4:30 pm

Coffee break

4:30 pm – 6:30 pm

Parallel Sessions

Sala Conferenze

Mountains of Europe:
European Strategies for
Alpine Regions

Sala dei Gessi

Disruptive Technologies And
Socio-Economic Sustainability
Challenges And Opportunities

7:00 pm – 7:50 pm

Concert

8:00 pm – 10:00 pm

Gala Evening

9:30 pm – 10:00 pm

“Everest”: book presentation

2° DAY - 25 september

8:35 am - 9:00 am

Welcome Coffee

9:00 am - 11:00 am

Parallel Sessions

Sala Conferenze

YOUTH4CLIMATE”
at HIGH SUMMIT COP26:
the gaze of the younger generations
on mountains, climate change
and sustainable development

Sala dei Gessi

Mountain Well - Being: A
One Health Approach For
High Altitude Communities
To Improve Social Welfare

11:15 am - 12:30 am

Closing Remarks

12:30 am - 1:30 pm

Lunch buffet



Day 1 - 9:00 am

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HIGH SUMMIT COP26 CONFERENCE OPENING

Moderated by:

- **Daniele Moretti**, Journalist of Sky

Welcome Remarks

- **Maurizio Gallo**, President of EvK2Minoprio (Italy)

- **Stefano Peverelli**, President of Minoprio Foundation (Italy)

- **Mariastella Gelmini**, Minister of Italy for Regional Affairs and Autonomies, with delegation to the mountains (Italy) - to be confirmed

- **Attilio Fontana**, President of Regione Lombardia (Italy)

Opening Remarks (10 min each)

- **Giuseppe Vegas**, former vice-minister of Italy for economy, former president of CONSOB (Italy) - **Ecosystems and Sustainable Future**

- **Vincenzo Torti**, President of the Italian Alpine Club (Italy) - **Mountain and Ecosystem Services**

- **Elisa Vuillermoz**, Member of the Scientific Council of EvK2Minoprio (Italy) - **Short introduction to High Summit COP26**

HIGH SUM

TOWARDS 2030: CLIMATE CHANGE IN MOUNTAIN REGIONS

Mountains are a sensitive indicator of climate change and mountain ecosystems are severely affected by world's climate variations. Such effects produce impacts in lowland environments too. Understanding how climate change affects mountains is a crucial aspect for the development strategies to face current global climate trends. This session aims at giving a comprehensive overview of the climate dynamics, related impact and approaches to respond to sustainable development objectives of the 2030 international agenda.

Moderator: **Maurizio Maugeri**, University of Milan, IPCC Report Author - Duration of each oral presentation: 10 min.

- **Maurizio Maugeri**, University of Milan (Italy) - [The 6° IPCC assessment report and climate change in mountain regions](#)
 - **Carolina Adler**, Mountain Research Institute (MRI) (Switzerland) - [The mountain research initiative and efforts to foster monitoring and research in mountain regions worldwide](#)
 - **Oksana Tarasova**, WMO (Switzerland) - [The value of high-mountain observations in understanding the drivers of climate change](#)
 - **Chen Fahu**, Director of Institute of Tibet Plateau Research, Chinese Academy of Science (China) - [Climatological network on tibetan plateaux](#)
 - **Kun Yang**, Tsinghua University (China) - [Characterizing temperature change on the Tibetan Plateau: overall warming and local cooling](#)
 - **Peter Van Oevelen**, George Mason University (USA) - [The GEWEX regional climate process studies in high mountain environments](#)
 - **Franco Salerno**, IRSA-CNR (Italy) - [Global warming causes local summer cooling in Himalaya due to glacier melting](#)
 - **Federico Bianchi**, University of Helsinki (Finland) - [New insight in atmospheric research at high Elevation: the mechanism behind the Himalayan aerosol factory](#)
 - **Valter Maggi**, University of Milan Bicocca (Italy) - [The glaciers as climate and environmental archives. A resource in danger](#)
 - **Sandro Lovari**, Chairman Scientific Commission Snow Leopard Network (Italy) - [Wild Species and Livestock in mountains ecosystems under climate change](#)
- Panel discussion (remaining time)

WATER TOWERS OF THE WORLD: GLACIERS AND WATER RESOURCES MANAGEMENT

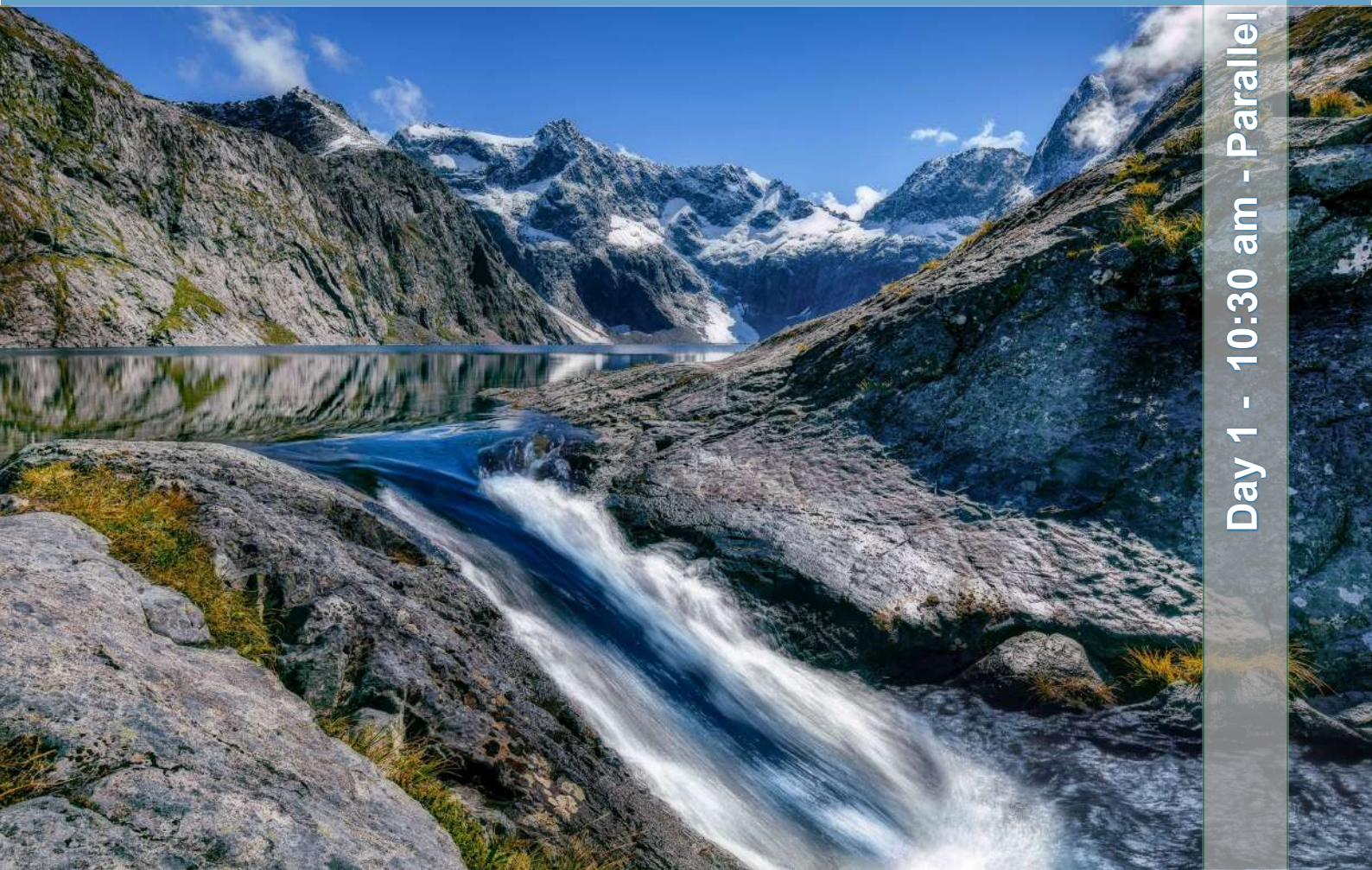
Mountain glacier variations and their increasingly intense reduction caused by a growing melting intensity and speed, affect water resources availability in mountains and in the valleys, where streams and rivers are fed by glaciers. The effects are multiple and at different spatial and temporal scales: from the modification of the temporal and quantitative availability of water resources for irrigation, drinking and energy purposes to the impacts on bio- and geo-diversity and ecosystems. The impacts on mountain landscape affect tourist attendance, hiking and mountaineering accessibility at high altitude. In this session the most recent studies on cryosphere variations and the impacts on hydrosphere will be discussed, analyzing the effects of the current climate change adaptation and mitigation measures on environmental and socio-economic resources.

Moderator: **Guglielmina Diolaiuti**, University of Milan (Italy) - Duration of each oral presentation: 10 min.

- **Guglielmina Diolaiuti**, University of Milan (Italy) - Glacier research and inventories on alps and HinduKhush-Karakorum-Himalaya
 - **Tobias Bolch**, School of Geography and sustainable development, St Andrews (UK) - The glaciers of the third pole (Hindukush, Himalaya, Karakorum): what trends and what are the projections for the future? Is there still a Karakorum anomaly?
 - **Stephan Gruber**, Carleton University (Canada) - Toward permafrost climate services for informing adaptation to permafrost thaw in mountains
 - **Frank Paul**, University of Zurich (Switzerland) - An accelerating and unstoppable reduction? What are the best methods to study such a rapid involution? Examples from the European alps cadastre
 - **Francesca Pellicciotti**, ETH Zurich, Institute of Environmental Engineering (Switzerland) - Global glacier mass changes and their contributions to sea-level rise
 - **Martin Beniston**, University of Geneva (Switzerland) - Mountain water supply in a changing climate and the need for socio-economic adaptation
 - **Davide Fugazza**, University of Milan (Italy) - Glacier darkening and its effect on cryosphere collapse. An overview from the alps to the poles
 - **Daniel Viveroli**, Zurich University (Switzerland) – Impacts of climate and global change on water resources in a highland-lowland context
- Panel discussion (remaining time)

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Day 1 - 10:30 am - Parallel Sessions



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CONNECTIVITY AND TRANSPORTATION: NEW DEVELOPMENT AND FUTURE PERSPECTIVES

Improvements in road and transport networks are connecting numerous mountain communities to national, regional and global markets. In such areas environmental and health impacts of transport are higher than elsewhere. Therefore, it is fundamental to promote more sustainable connectivity and transportation solution in mountain regions. The main aim of this session is to exchange relevant best practices successfully experienced in those areas.

Moderator: **Massimo Sertori**, Councilor for Local Authorities, Mountain and Small Municipalities of the Lombardy Region (Italy) - Duration of each oral presentation: 10 min.

- **Massimo Sertori**, Councilor for Local Authorities, Mountain and Small Municipalities of the Lombardy Region (Italy) [Needs and resources of mountain small municipalities](#)
- **Marco Boccione**, **Pierluigi Coppola** Mechanics department - Politecnico di Milano (Italy) - [Mobility and transport in mountain areas: how to reconcile accessibility and respect for the environment](#)
- **Gianantonio Arnoldi**, CEO of CAL (Italy) - [The viability for the relaunch of tourism in the mountains](#)
- **Marco Bussone**, President of UNCEM (Italy) - [Connecting mountain people and economical activities](#)
- **Andrea Gibelli**, President of FNM SPA and President of ASSTRA (Italy) - [Ecological viability between hydrogen, electric, and sharing](#)
- **Isabella Tovaglieri**, MEPs, European Parliament (Italy) - [The look at the mountains of Europe](#)
- **Amrit Ratna Shakya**, Member of European Economic Chamber EEQ, Nepal; Chairman of IEG EXPO Dubai (Nepal) [Sustainable transportation, a challenge for Nepal](#)
- **Sunil Babu Shrestha**, Vice Chancellor NAST (Nepal)

Panel discussion (remaning time)

ECOSYSTEM, BIODIVERSITY AND MOUNTAIN PROTECTED AREAS AS OPPORTUNITY FOR DEVELOPMENT

As reported by the IUCN - World Commission on Protected Areas, mountains and mountain communities will need to build ecological resistance and resilience to cope with the current threat to biodiversity and ecosystem services. Protecting important sites for mountain biodiversity is vital for ensuring long term and sustainable use of mountain natural resources and to build resilience. Protected areas also play an important role for the local communities, driving economic activities toward the lens of sustainable development. Key experts from MPAs all over the world will discuss challenges and opportunities of an integrated approach to improve mountains heritage management strategies.

Moderator: **Andrea Lami**, IRSA-CNR (Italy) - Duration of each oral presentation: 10 min.

- **Andrea Lami**, IRSA-CNR (Italy) - *Ecosystem changes in mountain lake under climate and human pressure: the value of long term monitoring*
 - **Ashiq A. Khan**, IUCN World Commission on Protected Areas Member, EvK2CNR Pakistan scientific representative & **Muhammad Aurang Zaib**, EvK2CNR Pakistan - *Pakistan: Minimizing the negative impacts of climate change on Mountain communities*
 - **Emanuele Farruggia**, DGCS Asia Ministry of Foreign Affairs and International Cooperation (Italy) - *Role of italian cooperation for the promotion of protected mountain areas*
 - **Luca Corlatti**, Senior Wildlife Ecologist at the Stelvio National Park - *Interregional strategy for nature conservation: the case of the Stelvio National Park*
 - **Bruno Bassano**, Responsible of the scientific services of the Gran Paradiso National Park (Italy) - *The natural, historical and socioeconomical value of a national park*
 - **Alton Byers**, Director of Science and Exploration, The Mountain Institute (USA) - *Climate change and glacier hazards in the High Mountains*
 - **Michele Freppaz**, University of Torino DISAFA (Italy) - *Understanding mountain soils in a changing climate*
 - **Eryuan Liang**, Institute of Tibetan Plateau (Chinese Accademy of Science) ITP-CAS (China) - *Treeline shifts in the central Himalayas*
 - **Paolo Tizzani**, DVM PhD MSc, Department of Veterinary Sciences University of Turin (Italy) - *The subtle link between livestock health, wildlife conservation and wealth of high altitude communities in Pakistan*
- Panel discussion (remaning time)

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Day 1 - 2:00 pm - Parallel Sessions



MOUNTAINS OF EUROPE: THE EUROPEAN STRATEGIES FOR THE ALPINE REGIONS

The Alpine area is one of the symbols of European Unity: a place of meeting and union but also a border capable of preserving cultural riches and singularities.

The economic, social and demographic differences present today in the various territories of the Alpine regions require the adoption of shared governance strategies and cooperation tools between the various states of the macro-region.

This session intends to take stock of the actions, strategies and guidelines that the cooperation instruments adopted for the Alpine macro-region have produced and are producing.

Moderator: **Raffaele Cattaneo**, Councilor for Environment and Climate of the Lombardy Region (Italy) - Duration of each oral presentation: 10 min

- **Raffaele Cattaneo**, Councilor for Environment and Climate of the Lombardy Region (Italy) - [European synergies for the environmental protection of the mountain regions of Europe](#)
- **Massimiliano Salini** - MEPs, European Parliament (Italy) - research and energy industry commission
- **Arno Kompatscher** - President of the Autonomous Province of Bolzano (Italy)
- **Mario Tonina** - Vice President of the Autonomous Province of Trento (Italy)
- **Anna Giorgi**, UNIMONT - University of Milan (Italy) - [The strategic sectors for developing an effective research and innovation system in the mountain regions of Europe](#)
- **Patrick Biard** - Head of International Affairs at Auvergne-Rhône Alpes Energy Environment (France)
- **Rosalaura Romeo**, Mountain Partnership Secretariat - [Socio-Economic Impacts Of Climate Changes In Mountain Regions](#)
- **Mr Sumair Ahmad Syed**, Secretary Forest, Wildlife and Environment Gilgit-Baltistan (Pakistan) - [Climate Change Mitigation And Adaptation In Gilgit-Baltistan](#)

Panel discussion (remaining time)

Day 1 - 4:30 pm - Parallel Sessions

H I G H S U M





Day 1 - 4:30 pm - Parallel Sessions

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DISRUPTIVE TECHNOLOGIES AND SOCIO-ECONOMIC SUSTAINABILITY – CHALLENGES AND OPPORTUNITIES (GREEN AND CIRCULAR ECONOMY, BUSINESS INNOVATION, DIGITALIZATION)

Circular economy is particularly important in mountain areas having exceptional primary resources and providing ecosystems services such as carbon sequestration, clean water, landscapes, and recreation. Maximizing the value of extracted resources and managing them sustainably is particularly important for maintaining a high quality of life in mountain territories. Moreover, digital eco-innovation can further drive the circular economy, as well as innovation to make digital products, hardware and infrastructures more sustainable. In this session the challenges and the opportunities deriving from green development strategies applied to mountain ecosystems will be discussed.

Moderator: **Efrem Ferrari**, World Bank consultant for Pakistan and Afghanistan (Italy)

Duration of each oral presentation: 10 min.

- **Efrem Ferrari**, World Bank consultant for Pakistan and Afghanistan (Italy) - **The disruptive role of technology in developing countries**
 - **Maria Teresa Melis**, University of Cagliari (Italy) - **Digital mountains**
 - **Paolo Sdringola**, ENEA (Italy) - **Energy efficiency and sustainable and economic development in mountain regions**
 - **Antonello Pezzini**, Efficient Energy Expert of the Ecological Transition Ministry of Italy – **Innovative Technologies and Energy Efficiency**
 - **Giancarlo Morandi**, President of COBAT (Italy) - **Recycle “Spirit” and policies in mountain ecosystems**
 - **Giuseppe Vegas**, former vice-minister of Italy for economy, former president of CONSOB (Italy) - **Advantages of green economy on financial markets**
 - **Massimiano Tellini**, Intesa Sanpaolo Innovation Center
 - **Lorenzo Giussani**, BU Generation and Trading A2A, (Italy) – **The role of green energy to face climate change in mountains**
 - **Simone Molteni**, Scientific Director of LifeGate (Italy) – **Strategies for a sustainable future**
 - **Luca Greggio**, RT TIDALIS (Italy) - **The role of drones for monitoring the mountain environment**
- Panel discussion (remaining time)



"YOUTH4CLIMATE" AT HIGH SUMMIT

A special session dedicated to the students involved in the preparation of project proposals inspired by 8 of the conference thematic sessions.

The Conference Scientific Committee will select the best proposals that will be presented by the students during the High Summit COP26 event.

Moderator: **Stefano Bocchi**, University of Milan
Duration of each oral presentation 10 min.

A special session that welcomes the interventions:

Students of the Minoprio Foundation

- **Emmanuele Romanò, Melany Galbiati, Alessio Torturo, Riccardo Bracci** - [Actions for climate and Cop26](#)
- **Federico Garbagnati** - [Glaciers management and water resources](#)
- **Simone Bartoli, Bianchi Alice, Vittori Amos** - [Ecosystems, Biodiversity and protected areas](#)
- **Giorgia Ragazzini** - [Climate change mitigation](#)
- **Pietro Confalonieri, Giacomo Gatti, Elena Colzani** - [Disruptive technologies](#)
- **Iris Cazzaniga** - [Mountain well-being](#)
- **Mathieu Mangiagalli** - [Use of drones in precision farming](#)
- **Giacomo Campana**, student of Unimont, University of the Mountain
- **Nicolò Matteo Pirovano, Sara Cornaggia, Silvia Prevedello** - [Redevelopment, static consolidation and expansion project of Capanna Piz Fassa](#).

Panel discussion (remaining time)

Students are involved in the preparation of project proposals inspired by the thematic sessions of the conference. The scientific committee of the Conference selects the proposals that are presented during this session dedicated to the look of young students on the issues addressed in the other sessions.

Day 2 - 9:00 am Parallel Sessions

HIGH SUM





Day 2 - 9:00 am Parallel Sessions

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MOUNTAIN WELL-BEING: A ONE HEALTH APPROACH FOR HIGH ALTITUDE COMMUNITIES TO IMPROVE SOCIAL WELFARE

Over the past two decades, dramatic consequences of destructive events, including global warming, earthquakes, avalanches, forest fires, landslides, floods and other disruptive hydrogeological processes have highlighted the vulnerability of mountain communities to disasters, particularly in low-income countries.

The COVID19 crisis is now revealing how vulnerabilities affecting different scales of community well-being have exposed hundreds of millions of people to risks and disasters and have made improving risk reduction and implementation of community resilience strategies more crucial than ever. An "Integrated Approach" could represent a strategy to face those threats that will be analyzed during this session.

Moderator: **Annalisa Cogo**, Biomedical Sport Studies Center, University of Ferrara (Italy)

Duration of each oral presentation: 10 min.

- **Annalisa Cogo**, Biomedical Sport Studies Center, University of Ferrara (Italy) - [Breathing in the Mountain: Lights and Shadows](#)
- **Giacomo Strapazzon**, Vice head of institute of Mountain Emergency Medicine (Italy) - [The impact of COVID-19 on mountain communities](#)
- **Buddha Basnyat**, Medical Director at Nepal International Clinic (Nepal) - [High altitude physiology and medicine](#)
- **Filippo Boroli**, resuscitator anesthetist, Aiut Alpin Dolomites (Italy) and Hopitaux Universitaires de Genève (Switzerland) - [Climate change and remote relief](#)
- **Luana Giordano** and **Francesca Gaffuri**, Plant Health Service Lombardy region (Italy) - [Climate change and invasive organisms: the role of plant health service](#)
- **Bibiana Vilá**, National University of Luján (Argentina) - [The welfare of animals and people in the pastoral andean space, challenges and opportunities in pandemic times](#)
- **Alessandra Gaffuri**, DVM, European Wildlife Diseases Association small grants committee (Italy) - [The italian alps as a case study for a one health perspective](#)

Panel discussion (remaning time)

CLOSING REMARKS

- Moderator: **Agostino Da Polenza**, Creator of Mountain Genius
- **Stefania Proietti**, Marconi University, Mayor of Assisi (Italia) - Summary & conclusion
- **Khalid Khursheed**, Prime Minister of Gilgit-Baltistan (Pakistan)
- **Benedetto Della Vedova**, State Secretary of the Ministry of Foreign Affairs and Cooperation
- **Daniele Guadagnolo e Federica Gasbarro**, Youth Participant, Youth4Climate, Representing Italy at Pre Cop 26 of Milan

Day 2 - 11:15 am

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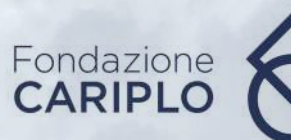
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Side Events - The Mountain at the M

“The Mountain Genius Challenge”, by Agostino da Polenza and Pietro Coerezza, Minoprio, Como



“High Altitude Cleaning”, by Paolo Petrignani, Minoprio, Como



“High Altitude Energy”, by Cobat, Minoprio, Como



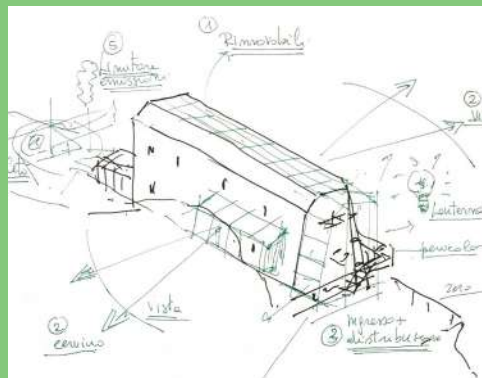
“2000 meters above human things: alpine huts: history, typology, functions”, by Luca Gibello, Minoprio, Como



Minoprio Foundation 22 Sept. - 12 Nov.



“Redesigning the Capanna Margherita”, curated by Graziano Salvalai, Polytechnic University of Milan - Minoprio, Como



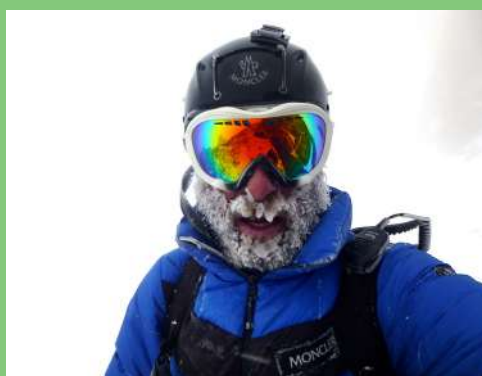
“Contemporary architectures in the western Italian Alps”, by Antonio De Rossi and Roberto Dini, Minoprio, Como



“La buona Neve. Tribute to Rolly Marchi for the Milan-Cortina 2026 Olympic Games”, by EvK2Minoprio, Minoprio, Como
Sept. 24 h 7:00 pm Concert and Gala Evening dedicated to Rolly Marchi



“We are On the top! The summit of K2 and the faces of a people”, by Michele Cucchi and Agostino Da Polenza. The virtual photographic exhibition can be visited on mountaingenius.org





HIGH SUM





MIT COP26



Milan, 28-30 settembre 2021 - "Youth4Climate: Driving Ambition" event

400 young people aged between 15 and 29, coming from 197 countries party to the UNFCCC Convention, yes they will meet to elaborate concrete proposals to be presented at the Pre-COP26 in Milan and at the COP26 in Glasgow.

Milan - 30 September - 2 October 2021 - Preparatory Conference, PreCop26

Participants from 35 to 40 countries, representatives of the UNFCCC Secretariat, the presidents of the subsidiary bodies of the Convention and some stakeholders who play a key role in the fight against climate change or in the transition towards a sustainable development model.



THE MOUNTAINS ARE TOLD IN MILAN

20 images presented in Milan from September 1st to October 10th, taken from the exhibitions exhibited at the Minoprio Foundation during the "High Summit Conference - COP 26".

"Cleaning of High Altitude" by Paolo Petrignani, "K2 and the Faces of a People" Meeting Rimini, "Mountain Architecture" UNCEM, "High Altitude Energy" Politecnico di Milano, "La Buona Neve" by Rolly Marchi.

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DECLARATION OF INTENT AND VALUES FOR THE SUSTAINABILITY OF THE EVENT

EvK2Minoprio aims at organizing an event under an environmental, social and economic sustainable management approach, in order to obtain stakeholder consent, awareness and participation. EvK2Mino-prio therefore, intends to apply internally and to disseminate among the participants and stakeholders the principles of inclusiveness, integrity and transparency through a management approach.

Environmental sustainability

EvK2Minoprio gives great importance to the environmental aspects related to the organization of an event. Those main aspects concern the reduction of pollutant emissions and the protection of the existing environment. EvK2Minoprio's commitment will therefore be aimed at raising awareness on:

- The effective organization of transport (of materials and participants) and the reduction of energy consumption, to pursue a reduction of CO2 emissions and other pollutants increasing the greenhouse effect of atmospheric pollution;
- The choice of partners and suppliers to use recyclable and natural raw materials/biodegradable materials, that pays attention to organizational choices aimed at reducing consumption and waste;
- An appropriate waste disposal by municipal companies or authorized companies;
- A correct disposal of kitchens and toilets waste of water;
- An appropriate use of the land and the soil where the event will take place;
- Limited use of noise sources and different kind of lasers that can affect human-beings and ecosystems (in addition to energy consumption connected to their use).

In a perspective of transparency and sharing, obtained results, including CO2 emissions, will be clearly explained in comprehensive reports of the single events.

Social sustainability

The event is "social" by definition, being a meeting of people with the aim of sharing an experience. For the organization of a sustainable event, social aspects, such as consideration of needs and expectations of concerning people, need to be taken in account; attention to accessibility for people with disabilities; promotion of local products and producers, fair trade marks, thus making participants aware of the origin of the products; choice of suppliers who operate in compliance with national regulations also in the field of health and job security. The event therefore translates into an occasion of dissemination of sustainable development education.

Economic Sustainability

EvK2Minoprio will implement, through the application of a management system ISO 20121, an approach based on strategic choices that allow to find suitable solutions, reducing costs, while promoting environmental and social aspects. An attempt will be made to orient organizational choices towards products and technologies with a lower environmental impact and work organization methods that allow a reduction in consumption from the early stages, on the model of a "lean" approach which therefore also allows a reduction of production costs.

High Summit Cop26 - Programme 24 - 25 september 2021

Location of the Foundation

Minoprio Foundation - Viale Raimondi, 54 - Vertemate con Minoprio (CO) Italy







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