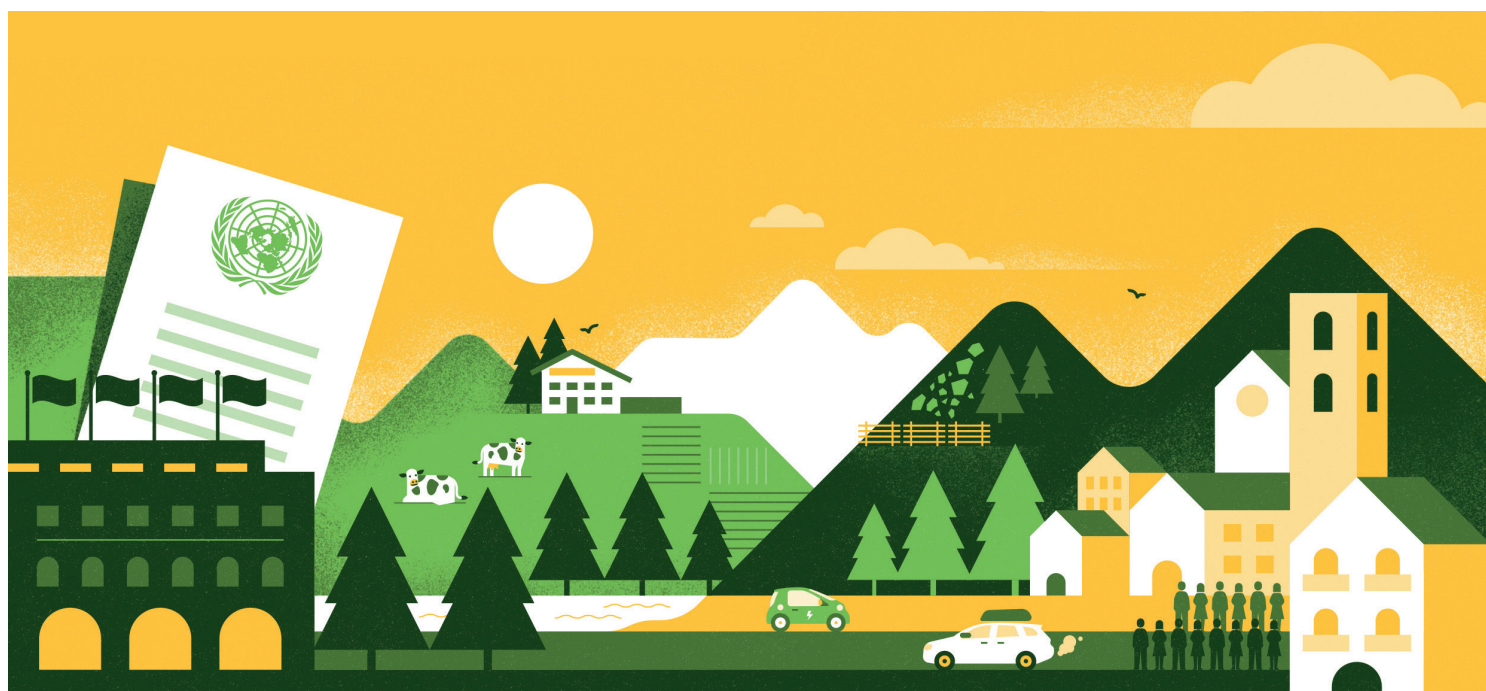


CONFERENCE PROGRAMME

Global Mountain Sustainability Forum 2020

Sustainability Governance: International Frameworks and Local Contributions

5-6 OCTOBER, 2020
SEXTEN/SESTO, ITALY





KEYNOTE SPEAKERS



JULIA KLEIN

Julia Klein is a climate change and mountain sustainability expert. She is Professor in the Department of Ecosystem Science & Sustainability and a Research Scientist at the Natural Resource Ecology Laboratory at Colorado State University. Klein is also a Mountain Sentinels Network leader.



JAKOB RHYNER

Jakob Rhyner is professor for Global Change and Systemic Risks at the Agricultural Faculty of the University of Bonn and Scientific Director of the Bonn Alliance for Sustainability Research/ Innovation Campus Bonn (ICB). Between 2010-2018, he was Deputy Rector of the United Nations University in Europe and Director of the university's Institute for Environment and Human Security (UNU-EHS). His responsibilities comprised policy-oriented research on environmental risks, including environmentally induced migration, climate risk insurance, as well as education and capacity building.



Credits:
Bernd Lindgens

REINHOLD MESSNER

Reinhold Messner is an Italian mountaineer, explorer and author renowned for his pioneering and difficult ascents of the world's highest peaks. In 1978, he and Peter Habeler were the first to climb Mount Everest without the use of contained oxygen for breathing, and two years later he made the first solo ascent of Mount Everest. He was also the first person to climb all of the 14 world's mountains that exceed an elevation of 8,000 metres. Messner has created the Messner Mountain Museum in South Tyrol, six interrelated thematic museums dedicated to the art, culture, religion and peculiarities of mountain regions throughout the world and served one term (1999–2004) in the European Parliament, where he mainly championed environmental issues. He also published numerous books available in several languages.



DIRK GLAESSER

Dirk Glaesser is Director of the Sustainable Development of Tourism Department at the United Nations World Tourism Organization (UNWTO). Under his supervision, the programme addresses the challenges and opportunities of sustainable tourism development, including climate change, sustainable consumption and production, health emergencies, biodiversity and travel facilitation. It also promotes safe travel behavior and has closely monitored various health emergencies, from SARS, Pandemic Influenza A (H1N1) 2009 to the most recent COVID-19 outbreak, and their impact on travel and tourism. He joined the World Tourism Organization in 1997 and has held various positions in UNWTO, among them Chief of the Risk and Crisis Management Department and supervisor of UNWTO's Consulting Unit on Biodiversity and Tourism. He is the author of a number of publications which have been widely translated.



MUSONDA MUMBA

Musonda Mumba is the Chief of the Terrestrial Ecosystems Unit of UN Environment since 2018. She joined UN Environment in 2008, as a programme officer in Climate Change Adaptation Unit, and led the work on the development of the Global Adaptation Network (GAN). She also led and coordinated the Ecosystems based Adaptation (EbA) Mountain Programme, a programmatic alliance with UN Environment, IUCN and UNDP (2011 – 2016) working in Peru, Nepal and Uganda. She has also been UN Environment's focal point on Mountains. She has over 20 years experience working at both scientific and political levels on climate change adaptation, conservation, protected areas management and wetlands ecology. Her professional experience led her to work with several governments across the world cutting across Africa, Asia and Latin America.



JOSEPH STIGLITZ

Joseph Stiglitz is an US-American economist, public policy analyst and professor at Columbia University. He is a former senior vice president and chief economist of the World Bank and a former member of President Clinton's Council of Economic Advisers. Stiglitz received the Nobel Memorial Prize in Economics (2001) and the John Bates Clark Medal (1979). In 2011, Time magazine listed him as one of the 100 most influential people in the world. Stiglitz's academic work focuses on income distribution, asset risk management, corporate governance and international trade. He is also author of several books including "Freefall" (2010), in which he addresses the causes of the 2008 recession and proposes reforms to avoid similar crises in the future.

Credits: Daniel Baud and
the Sydney Opera House

DAY 1 MONDAY, OCTOBER 5TH, 2020

SEXTEN/SESTO CONGRESS CENTER & ONLINE

08.30-09.00 *Registration*

09.00-09.30 **Official Opening and Welcome**

Harald Pechlaner, Head of the Center for Advanced Studies, Eurac Research

Stefan Schneiderbauer, CHead of GLOMOS Programme Bolzano office, Institute for Environment and Human Security of the United Nations University / Eurac Research

Xiaomeng Shen, Vice Rector in Europe, United Nations University (UNU)

Waltraud Watschinger, President of the Tourist Office Sexten/Sesto

Christoph Rainer, President of Sextenkultur

09.30-10.45 *Keynote*

Threats to Mountains Worldwide and How Science with Society can help Transform Mountain Futures

Julia A. Klein, Associate Professor at the Department of Ecosystem Science & Sustainability and Research Scientist at the Natural Resource Ecology Laboratory, Colorado State University

10.45-11.15 *Coffee Break*

11.15-13.15 **Parallel Sessions**

Thematic Session 1: Global developments and critical issues in sustainability in mountain regions

Chair: **Paola Fontanella Pisa**

Presentations & discussion

Shifts in narratives of mountain development: a new concept for shrinking rural regions in Europe – **Dax Thomas**, Bauchinger Lisa, Machold Ingrid (online)

Minimizing the emissions of power generators in mountain lodges: a case study in South Tyrol – Alberizzi Jacopo, **Renzi Massimiliano**

Promoting Horticulture for Livelihood Diversification of Vulnerable Population in Fragile Himalayan Region – **Rawat Pragati**, Aggarwal Ridhika, Nagabhatla Nidhi (online)

Evaluation of the emission reduction potential of electrified powertrains for agricultural machines in South Tyrol – Perez Estevez, Manuel Antonio, **Renzi Massimiliano**

Using nuclear and isotopic techniques for adaptation to climate change impacts on soil and water resources in mountainous regions – Edson Ramirez, Yanhong Wu, **Christoph Henrich**, Gerd Dercon (online)

Adaptation at Altitude: Taking Action in the Mountains – Adler Carolina, Argüello Maria, Jurek Matthias, Kaufmann Manfred, Llambi Luis Daniel, Mumba Musonda, **Simonett Otto**, Wester Philippus, **Ansgar Lars Fellendorf**

Special Session: Socio-economic sustainability in mountain regions

Session organized by Institute for Economic Research, Italy

Chair: **Urban Perkmann, Georg Lun**

Presentations & discussion

South Tyrol: A brief portrait of a multilingual, autonomous border region – Frötscher Denise

Socio-economic sustainability: are there differences at a local level? – Oberrauch Klaus

The multiple facets of innovation in South Tyrol – Schatzer Thomas

Shortage of skilled workers and brain drain: A challenge for South Tyrol – Overhage Nina

Digitalization: how well prepared are enterprises and society? – Campregher Philipp

13.15-14.30 *Networking Lunch*

14.30-15.45 *Keynote*

Dealing with risks in the mountains. Yesterday. Today. Tomorrow?

Jakob Rhyner, Professor for Global Change and Systemic Risks at the Agricultural Faculty, University of Bonn

15.45-16.15 *Coffee Break*

16.15-17.30 **Parallel Sessions**

Workshop A:

Mountain Sustainability and Olympic Games: Milano - Cortina 2026

Input: **Mara Manente**, Centro Internazionale di Studi sull'Economia Turistica (CISSET), Università Ca' Foscari, Venezia

Discussion

Workshop B:

Covid-19 and Sustainability Governance

Input: **Joerg Szarzynski**, Head of GLOMOS Programme Bonn office, Institute for Environment and Human Security of the United Nations University / Eurac Research

Discussion

17:30 **Closing of the first day of the conference**

Networking Cocktail

19.00-21.00 *Public Event*

Expert Council: Open Session on Sustainable Management of Protected Areas

Keynote

Sustainability in mountain areas

Reinhold Messner, Italian mountaineer, explorer and author renowned for his pioneering and difficult ascents of the world's highest peaks

Round Table Discussion with Local Experts @ Stakeholders

Challenges of sustainable development in mountain areas: governance, mobility and major events

Marcella Morandini, Director, Fondazione Dolomiti Unesco

Susanna Sieff, Sustainability director, Cortina 2021

Wolfgang Töchterle, Marketing director, IDM Südtirol

Simone Wasserer, Hotelier, Innichen - San Candido

Moderation: **Harald Pechlaner**

21.00

Closing of the 1st day

DAY 2 TUESDAY, OCTOBER 6TH, 2020

SEXTEN/SESTO CONGRESS CENTER & ONLINE

08.30 *Opening of the 2nd day*

08.30-09.45 *Keynote*

Insights into the worldwide debate on sustainable tourism: learnings for mountain regions

Dirk Glaesser, Director at the Sustainable Development of Tourism Programme (STD), World Tourism Organisation (UNWTO)

09.45-10.15 *Coffee Break*

10.15-12.00 **Parallel Sessions**

Thematic Session 2: Natural resources and sustainability in mountains

Chair: **Andreas Dibiasi**

Presentations & discussion

Integrating climate information into local development planning. A case from Central Asia – **Schumacher Paul, Aliya Ibrahimova** (online)

Climate Resilience of Indigenous Peoples and Natural Resources' management in the Andes in the post-covid-19 era – **Tomaselli Alexandra, Sofia Panchi-Robles**

A novel application of Unmanned Aerial Systems (UASs) in alpine environment to reduce natural hazard risks: the BLUESLEMON project – Monsorno Roberto, Kofler Christian, Steger Stefan, Giannotta Giovanni, Vilardi Andrea, Scarton Gabriele, Bojeri Alex, Mai Erika, Ristorto Gianluca, Guglieri Giorgio, Seppi Stefano, Mayrgündter Sebastian, Allasia Giorgio, Quagliotti Fulvia (online)

If it ain't broke, don't fix it: a community initiative to restore and manage municipal water provision in the Maloti-Drakensberg mountains – **Delves Jess L.**

Russian Altai landscapes as indicators of global and regional environmental change – **Chernykh Dmitry**, Pershin Dmitry, Malygina Natalia, Zolotov Dmitry, Mitrofanova, Elena, Kuryatnikova Natalia, Biryukov Roman, Lubenets Lilia, Bykov Nikolay, Zinovieva Alina, Lapina Christina, Dyachenko Alexander (online)

Forest is our gold: perception of forests and resource use among Hutsuls living in the Ukrainian and Romanian Carpathian Mountains – **Mattalia Giulia**, Sókand Renata, Stryamets Nataliya, Reyes-Garcia Victoria, Molnár Gábor, Gliga Adrian, Balázs Ágnes, Pieroni Andrea

Thematic Session 3: Tourism and sustainability in mountains

Chair: **Mirjam Gruber**

Presentations & discussion

Mountain Resident's Livelihoods: Adaptation Strategies in the Swiftly Progressing 'Weather' of Tourism in Protected Areas – Gugushvili Temur, **Salukvadze Joseph**, Durglishvili Nino (online)

Cultural Sustainability. The Example of Traditional Transhumance in South Tyrol – Erschbamer Greta, de Rachewiltz Michael

Is Tourism the Beginning or the End? Livelihoods of Georgian Mountain People at Stake – **Salukvadze Gvantsa**, Backhaus Norman (online)

Strategic Assessment of Hiking Trail Ecotourism in Armenia – **Alvarado Oscar**

Practical example of the sustainability concept of the Carezza Dolomites „Mountain Experience“: How an alpine cableway company intends to increase awareness throughout an entire touristic region for the topics of sustainability and climate protection – **Eisath Florian**

12:00-13:15	<i>Lunch</i>
13:15-14:30	<i>Keynote</i> Sustainability challenges of tourism in mountains of the global South Musonda Mumba , Chief of the Terrestrial Ecosystems Unit of UN Environment
14:30-16:30	Parallel Sessions

Thematic Session 4: Sustainable governance in mountain regions - A

Chair: **Jess Delves**

Presentations & discussion

SDGs for widening the scope of local climate change adaptation analytics: methodological development and first applications in mountain regions – **Cetara Luca**, La Malva Pasquale, Pregnotato Marco (online)

Nature-based Solutions for Landslide Mitigation – **Esperancinha Sérgio**, Pavlova Irina, Amirzada Zahra, Santillan Giovana, Rutzinger Martin, Zieher Thomas, Polderman Annemarie (online)

Exploiting and preserving the Maloti-Drakensberg mountains. How an ecosystems services approach could contribute to sustainable development in southern Africa – **Membretti Andrea**, Jess Delves

Transformation of nature protection institutions in the North Caucasus: from a state monopoly of governance to multi-actor management – **Gunya Alexey**, Lysenko Alexey, Gagaeva Zulfira, Lysenko Izolda, Atayev Zagir (online)

Mountain hazards risk reduction at UNESCO designated sites – **Pavlova Irina**, Yasukawa Soichiro, Dousseron Aurelien, Jomelli Vincent, Esperancinha Sérgio, Amirzada Zahra, Santillan Giovana (online)

Diversity as driver for resilience in the Biosphere Reserve “Salzburger Lungau” – Oedl-Wieser Theresia, Dax Thomas, **Machold Ingrid** (online)

16:30-17:00 *Coffee Break*

17:00-18:00 *Keynote*
How to build a better and greener world economy after the pandemic
Joseph Stiglitz, Nobel Laureate in Economics, Public Policy Analyst and Professor at Columbia University

18:00-18:30 *Closing Ceremony*
Harald Pechlaner, Head of the Center for Advanced Studies, Eurac Research
Stefan Schneiderbauer, Head of GLOMOS Programme Bolzano office, Institute for Environment and Human Security of the United Nations University / Eurac Research

18:30 **End of the conference**

Thematic Session 4: Sustainable governance in mountain regions - B

Chair: **Sophia Panchi-Robles**

Presentations & discussion

The linkage between sustainable development, cooperation and sustainability measures in the agricultural sector – Sustainability in nature-protected areas: the necessity of stakeholder cooperation focusing on farmers – Turck Angela, Fuchshofen Nicolas, **Terlau Wiltrud** (online)

Participatory approaches: a promising bridge from ecological frameworks to socio-cultural methods for mountain lakes’ sustainable development – **Ebner Manuel**, Tappeiner Ulrike, Fontana Veronika, Schirpke Uta, Kurmayer Rainer

Decision tools for adaptation to climate change: Portfolio analysis of tea plantation investments in Rwanda – **Fraschini Filippo** (online)

Testing innovative technologies in alpine rescue – Strapazzon Giacomo, Mejia-Aguilar Abraham, **van Veelen Michiel**

New technologies to support mountain rescue operations: A case study in the Dolomites GEOPARC Bletterbach, Italy – **Mejia-Aguilar Abraham**, Strapazzon Giacomo, Seppi Stefano, Mayrgündter Sebastian, Vögele Anna, van Veelen Michiel, Bianco Giulio Maria, Weber Christian, Daldos Peter, Vianello Andrea, Tritini Simone (online)

The potential contribution of territorial food projects to sustainable food system governance in mountain regions – Sidonie de Kermel, Koschmieder Alina, Tremblay Laure-Lou, Demougeot Heini (online)

SCIENTIFIC COMMITTEE

Yuka Makino, Coordinator Mountain Partnership Secretariat; Forestry Policy and Resources Division, Forestry Department, Food and Agriculture Organization (FAO) of the United Nations (Italy)

Martin Price, Director of the Centre for Mountain Studies (CMS), Perth College, University of the Highlands and Islands; UNESCO Chair in Sustainable Mountain Development (United Kingdom)

Irasema Alcántara-Ayala, Institute of Geography, National Autonomous University of Mexico (UNAM); Member of the Mountain Research Initiative (MRI) Science Leadership Council (SLC) (Mexico)

Ingrid Machold, Federal Institute of Agricultural Economic, Rural and Mountain Research; Delegate to the ÖROK Subcommittee on Regional Economy (Austria)

Susanne Wymann von Dach, Centre for Development and Environment (CDE), University of Bern; Associate Editor of Mountain Research and Development (MRD) (Switzerland)

Ulrike Tappeiner, President of the Free University of Bozen-Bolzano; Head of Institute. Institute for Alpine Environment, Eurac Research (Italy)

Vincent Ralph Clark, Director of the Afromontane Research Unit (ARU), QwaQwa Campus, University of the Free State (South Africa)

Anna Scuttari, Department of Tourism, University of Applied Sciences Munich (Germany)

SCIENTIFIC ORGANISING TEAM

Harald Pechlaner, Head of Center for Advanced Studies, Eurac Research

Stefan Schneiderbauer, Head of GLOMOS Programme Bolzano office, Institute for Environment and Human Security of the United Nations University / Eurac Research

Greta Erschbamer, Researcher at the Center for Advanced Studies, Eurac Research

Felix Windegger, Junior Researcher at the Center for Advanced Studies, Eurac Research

Paola Fontanella Pisa, Programme Associate GLOMOS, Institute for Environment and Human Security of the United Nations University / Eurac Research

Alexa De Marchi, Meeting Manager, Eurac Research

LOCAL ORGANISING TEAM

Waltraud Watschinger, President of the Tourist Office Sexten/Sesto

Judith Rainer, Vice President of the Tourist Office Sexten/Sesto

Maria Luise Hofer, Director of the Tourist Office Sexten/Sesto

Marina Villgrater, Vice Director of the Tourist Office Sexten/Sesto



WE'RE GOING GREEN!

The 1st Global Mountain Sustainability Forum will be a going Green Event.

Green Events are events that are planned, organised and implemented according to sustainability criteria, such as the use of environmentally friendly products, energy efficiency, waste management, regional value creation and social responsibility.

Help us to make this first event as eco-friendly as possible! Thank you!

ORGANISING PARTNERS

EURAC RESEARCH

Eurac Research is an innovative centre for research and training based in South Tyrol, Italy. Eurac Research was founded in 1992 as an association under private law with just twelve members of staff undertaking research in the areas of Language and Law, Minorities and Autonomous Regions as well as the Alpine Environment. The centre gradually expanded its activities into new areas, attracted scientists from all over the world and introduced new structures. Today, it is composed of 11 research institutes and four centers, such as GLOMOS and the Center for Advanced Studies.

CENTER FOR ADVANCED STUDIES

The Center for Advanced Studies is part of Eurac Research and regards itself as a platform for scientific exchange and interconnectedness and devotes itself to future-relevant issues as well as the observation, description and analysis of economic and societal processes of change.

GLOBAL MOUNTAIN SAFEGUARD RESEARCH (GLOMOS) PROGRAMME

GLOMOS is a collaborative programme and research alliance between Eurac Research and the Institute for Environment and Human Security of the United Nations University based in Bonn, Germany.

SEXTEN | SESTO 3 ZINNEN DOLOMITES TOURISM

The Tourist Office Sexten – Sesto works with great passion and professionalism for the mountain destination Sesto, 3 Zinnen Dolomites. The dynamic team creates quality products and events that clearly reflect the distinctive character of the alpine village. Top-class scientific congresses and workshops have been organized here for many years, such as the annual international meetings of the Sexten Center for Astrophysics.



Credit: Tourismusverein Sexten/Harald Witzthaler



Credit: Eurac Research/Marion Lafogler

For further information please contact
gms-forum@eurac.edu

Conference website
www.gms-forum.eurac.edu