DiverseK workshop

OCTOBER 3-4, 2024, INNSBRUCK

Workshop Data-Driven Decisions - enhancing mountain ecosystem management through the integration of long-term data

WHEN: 3-4 OCTOBER 2024
WHERE: Alpine Research Centre Obergurgl, Austria

The workshop aims to enhance mountain ecosystem management by integrating long-term data on vegetation, climate and land use, involving scientists, stakeholders, and policymakers. It aims at evaluating adaptive policy impacts and drafts a Policy Brief on climate adaptation and mitigation for mountain ecosystems based on long-term data.

Welcome to Innsbruck and Obergurgl!

universität innsbruck

POLLEN warndienst TIROL

universität freiburg

PAGES PAST GLOBAL CHANGES

Workshop Data-Driven Decisions - enhancing mountain ecosystem management through the integration of long-term data

THURSDAY 3RD OCTOBER 2024 (All times are given in Central European Time (CET), which corresponds to local time in Innsbruck)

7:45 — Departure from Innsbruck to Obergurgl (meeting point see below; **we meet at 7:30**)

9:15 — Arrival at the Alpine Research Centre Obergurgl, registration and coffee/tea

10:00-10:15 Welcome and introduction – Laurent Marquer

10:15-10:30 Charuta Kulkarni – *Introduction to DiverseK: A long-term ecological perspective and its integration with local knowledge is a requisite for sustainable regeneration of ecosystems and biodiversity*

10:30-11:30 Mountain ecosystems in focus: current status and trends

- Nikolaus Schallhart – *Alpine Research Centre Obergurgl: Long-term monitoring and research tradition*
- Christian Rixen – *Cool plants in a warm world*
- Anton Heufelder – *Work of the protected area management in the Nature Park Karwendel*
- Jonas Sommer – *Grasslands4Biodiversity (G4B): Supporting the protection of biodiversity-rich grasslands through management practices in the Central Alps*

11:30-12:15 Policy brief discussion 1: Break-out session

12:15-14:00 Zirbenwald journey (see information below): Walk and lunch

14:00-15:15 Mountain ecosystems through time: Past dynamics and long-term trends

- Suzette Flantua – *Mountain ecosystems through time: Analyzing vegetation dynamics and communication strategies with outreach visualizations*
- Glory Oden – *Mountain Fynbos resilience and ecological stability through the lens of Paleoecology: A multi-proxy approach*
- Péter Szabó – *Long-term management history in the Sudeten mountains: integrating palaeoecology and history to inform nature conservation*
- Deke Xu – *Fast response of vegetation in the mountain region of Northeast Asia to abrupt climatic events during the last deglaciation*
- Ewa Zin – *Flammable or not? – how tree-ring data can foster understanding of the role of fire in the long-term forest dynamics of temperate Europe, an example from a model ecosystem*

15:15-16:00 Policy brief discussion 2: Break-out session with coffee and tea

16:00-17:00 Mountain ecosystems in focus: current status and trends

- Kanaat Musuraliev – *Implementing state policies on forest ecosystems in the Kyrgyz Republic*
- Charalambos Neophytou – *Enhancing climate resilience of mountainous forests: the contribution of forest genetic research*
- Klaus Viertler – *Transition to climate-adapted mountain forests - Tools for the guidance of small-scale forest owners*
- James Thornton – *GEO Mountains: An Introduction*

17:00-17:15 Stretch break

17:15-18:20 Mountain ecosystems through time: Past dynamics and long-term trends

- Tabitha K. Kabora – *Sustainable African mountain futures: Lessons from the past*

- Nick Bennett Schafstall – *A 1000-year record of disturbance history and Coleoptera diversity from the High Tatra Mountains, Slovakia*
- Jing Wu – *Vegetation changes in the northernmost mountain regions of China in the Holocene*
- Andrea Seim – *Tree rings and environment*

18:30-19:30   Icebreaker activity
19:30   Dinner

FRIDAY 4th OCTOBER 2024

7:30   Start the day: Breakfast
8:30-8:40   Summary of Thursday and expectations for Friday – Laurent Marquer
8:40-10:00   Mountain ecosystems in focus: current status and trends
- Walter Zörer – *The IFMGA - Living and working in and with the mountains*
- Wolfgang Reider – *Tirol 2050 energieautonom*
- Daniela Berta – *The International Mountain Museums Alliance*
- Dale Forbes – *Why is a company investing in biodiversity conservation?*
- Lotta Schultz – *Mountains of data: a global open-access inventory of alpine biodiversity*
- Bikem Ekberzade – *Latitude or altitude will save us: on the role of mountains as potential eco-refugia under a changing climate*

10:00-10:15   Coffee break
10:15-11:10   Mountain ecosystems through time: Past dynamics and long-term trends
- Manzoor Ahmad Shah – *Integrated and long-term studies provide useful insights into changing mountain ecology: Lessons from Himalaya*
- Ramya Bala Prabhakaran – *Protecting the alpine in the tropical: challenges in montane grassland management in the Nilgiris plateau*
- Çılga Sanem Koç – *The last discovered plant fossil basin in Anatolia, Bursa-Orhaneli: Paleobotanical results for the Miocene Vegetation and Paleoenvironment*
- Hasan Arslan – *Paleoecology of Anatolian Alpine Lakes*
- Chiara Molinari - *Historical dynamics of past local land-use practices in two case studies from the Ligurian Apennines, north-western Italy: a multidisciplinary approach*

11:10-12:00   Policy brief discussion 3: Break-out session
12:00-13:00   Lunch
13:00-14:00   Mountain ecosystems in focus: current status and trends
- George Zagareli – *Doctrines of permaturism*
- Niketa Dayma – *Harnessing extensive data analysis for sustainable management of water resources in Indian Himalayas: A Strategy towards enhancing resilience in the ecological matrix*
- Gaurav Kumar – *Integrating geochemical data to assess environmental sustainability in the Shillong Plateau: A data-driven approach*

- Manzoor Ahmad Dar – *Deciphering the dietary preferences of rare ungulates through phytoliths: a promising novel approach*
- Saddam Saqib – *Harnessing spatial phylogenetics to inform data-driven management of Himalayan biodiversity and ecosystems*

14:00-14:45 Policy brief discussion 4: Break-out session

14:45-16:15 Policy brief discussion 5: Group presentation

16:15-16:30 Wrap-up – Laurent Marquer

16:30 Group photo

17:00 Departure from the Alpine Research Centre Obergurgl to Innsbruck

18:30 Arrival in Innsbruck (same location as the meeting point)