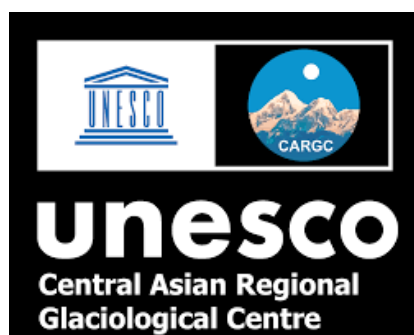


# MRI Mountains Observatories Working Group and GEO Mountains Workshop in Central Asia

Hotel Almaty, Kabanbai batyr 85, Almaty, Kazakhstan

18–20 April 2023



AGENDA (v1.2)

**Monday 17<sup>th</sup>** Arrivals

**Tuesday 18<sup>th</sup>**

**9:00 – 10:00:** Introduction

Prof. **Balykbayev** (Head of CARGC) and Prof. **Severskiy** (CARGC Director of Research): Welcome

**Dr. Adler** (MRI): The Mountain Research Initiative (MRI) & its Activities and Plans in Central Asia

**10:00 – 10:40:** Dr. **Thornton** (MRI): An introduction to GEO Mountains and its Ongoing Activities

Questions and Answers

**10:40 – 11:00: BREAK**

**11:00 – 11:20:** Prof. **Shahgedanova** (University of Reading): The general concept of Mountain Observatories and the MRI's MOs Working Group, as applicable in Central Asia

**11:20 – 11:50:** Ms. **Saidaliyeva** (University of Reading): CAMON together: Quantifying sources of water in Central Asia using isotopic analysis

Questions and Answers

**12:00 – 13:00: LUNCH**

**13:00 – 15:00: Presentations from CAMON Members on their sites;** The Status Quo (20 mins each)

Mr. **Kapitsa**: The Tuyuksu Mountain Observatory, Kazakhstan

Prof. **Satylkanov**: The Chon-Kyzyl-Suu Observatory, Kyrgyzstan

Dr. **Usubaliev**: Monitoring activities at the Central Asian Institute of Applied Geosciences, Kyrgyzstan

Dr. **Petrov**: The Pskem Mountain Observatory, Uzbekistan

Prof. **Kayumov**: Re-instating mountain monitoring in Tajikistan

Dr. **Caiserman**: The emerging Khorog mountain observatory in the Pamir, Tajikistan

**15:00 – 15:30:** Existing strengths and needs of CAMON, challenges and opportunities (e.g. joint monitoring projects), including project ideas for the GEO Mountains funding call (Discussion: All)

**15:30 – 16:00: BREAK**

**16:00 – 16:30:** Dr. **Caduff-Fiddes**, SLF & Dr. **Saks**, University of Fribourg (online). Current state of cryosphere monitoring in Central Asia and CROMO-ADAPT updates

**16:30 – 17:00:** Dr. **Steinbacher**, Swiss Federal Laboratory for Material Science and Technology (online). Air quality and aerosol monitoring in the mountains of Central Asia under the WMO's Global Atmosphere Watch (GAW) programme

**17:00 – 17:30:** Dr. **Jackson**, ICIMOD (online). On collaboration across HMA between CAMON and ICIMOD

**17:30 – 18:00:** Mr. **Haddouch**, WMO (online). Sharing real-time weather data via the WMO system: how and why

**18:00 – 18:30:** Towards greater exchange between WMO, National Hydrometeorological Services, and CAMON researchers regarding monitoring activities, data, and knowledge (Discussion: All)

## **Wednesday 19<sup>th</sup>**

### **9:00-10:00: Biotic monitoring in Central Asia**

**9:00 – 9:30** Dr. **Osmonbaeva**: An example of long-term biota monitoring: the natural regeneration of the coniferous forests in the Chon-Kyzyl-Suu basin

**9:30 – 10:00:** Dr. **Milko**: State and problems of biota monitoring in the Kyrgyz Republic: A “bottom-up” view from a local biodiversity expert

**10:00 – 10:40:** Dr. **Pauli**, Austrian Academy of Sciences & BOKU Vienna (online). Global plant diversity monitoring on alpine mountain tops: Advances and difficulties in establishing GLORIA observation sites in Asia

**10:40 – 11:00:** Dr. **Usupbaev**: GLORIA in Kyrgyzstan

**11:00 – 11:30: BREAK**

**11:30 – 12:30:** Discussion around expanding CAMON's (disciplinary) scope (vegetation / biodiversity and social sciences): Why and how? (All)

**12:30 – 17:30: LUNCH and Excursion** (limited places)

**19:30: Workshop DINNER**

## Thursday 20<sup>th</sup>

**9:00 – 10:00:** Opportunities for sharing capacity across CAMON and integrating ECRs in its activities. Part I. Integrating CAMON data in teaching and learning

**9:00 – 9:15:** Dr. **Kogutenko**: Mountain Studies at the Kazakh-German University: Best practices and potential links with Mountain Observatories

**9:15 – 9:30:** Dr. **Orunbaev**: Mountain Studies in Kyrgyz-American University

**9:30 – 10:00:** Discussion (All)

**10:00 – 10:30: BREAK**

**10:30 – 12:30:** Opportunities for sharing capacity across CAMON and integrating ECRs in its activities. Part II. Discussion: Exchanges, project ideas, developing technical skills such as equipment maintenance, data processing, etc.

Work in groups and brief verbal reports (All)

**12:30 – 13:30: Lunch**

**13:30 – 14:00:** Dr. **Thornton** / Dr. **Adler**: Defining Essential Societal Variables for applications in (global) mountains

**14:00 – 15:30:** Work in groups and brief verbal reports on expansion of socio-economic monitoring (All)

**15:30 – 16:00:** Dr. **Adler**, Dr. **Thornton**, and Prof. **Shahgedanova**: Summary and ways forward

**16:00 – 16:30: Signing of Memorandum of Understanding between the CAMON Observatories**

**16:30 – 18:00:** GEO Mountains visit to UNESCO (by invitation)

**Friday 21<sup>st</sup>**      Departures

Contact: James Thornton; [james.thornton@unibe.ch](mailto:james.thornton@unibe.ch)