



INVITATION
to the International Summer School on Geology and Geoheritage –
Field Training 2025

"Geoheritage of the Silk Road"

Dear Colleagues!

We are pleased to invite you to participate in the International Summer School on Geology and Geoheritage, which will take place from 12 to 25 August 2025, and will be held in one of the most picturesque and geologically diverse regions of the world - the Tien Shan and Pamir Mountains in Kyrgyzstan.

The International Summer School provides a unique opportunity for students, postgraduates, teachers and specialists to expand their knowledge and skills in the field of geology, exchange experiences with leading experts, and establish professional contacts with colleagues from different countries.

The program and format of the event include: field research with visits to key geological sites; lectures and master classes from leading experts in the field of geology, geoheritage and environmental protection; discussions on modern challenges in preserving geoheritage; georisks of mountainous countries; opportunities for establishing international scientific cooperation. You will get acquainted with the ethno cultural heritage of the peoples of Central Asia and travel through the diverse natural landscapes of the Tien Shan.

The summer school will include a one-day seminar - training, which will be held in one of the hotels on the shore of Lake Issyk-Kul, as well as a 12-day field trip to significant geological sites of the Western Tien Shan and Pamir

Topics of the scientific and practical training seminar, August 13:

1. IUGS Geosites program - a global scientific approach to raising awareness of geodiversity;
2. From geodiversity to geoheritage: new methods for assessing geodiversity and determining the location of geosites;
3. Scientifically based approaches to the development of geoparks from the local to the global level;
4. The sequence of creating a geopark: What is the significance of the criteria? Self-assessment tools for readiness of territories;
5. Master class on drawing up a management plan for a geopark.

Topics of training during the field trip:

1. Geomorphosites and geosites, recognition and valorization;
2. Geodiversity of mountain territories: from global to local aspects;
3. Geohazards in mountain continental collision zones, and prospects for their geoheritage from a global point of view.

Basic topics of the international summer school:

- Tectonic evolution and structure of the earth's crust of the Tien Shan and Pamir,
- Geodynamics and seismicity of the Tien Shan,
- Geomorphology and Quaternary geology of the Tien Shan,
- Mineral deposits of the Tien Shan,
- Glaciers and water resources,
- Geological risks,
- Reference geological sections of international importance

During the field practice, the best international experts will demonstrate the methodology for assessing and studying the elements of geodiversity. The participants of the trip will visit the areas of potential geoparks, where authoritative experts will demonstrate in practice the skills of self-assessment of potential territories from the point of view of geoheritage.

The applied summer school will allow mastering the skills and methods of geological research in a number of geosciences. Participants will learn about georisks in mountainous countries, water resources, glaciers and semi-deserts, the biography of water in Central Asia, as well as new information about the geological history of the Tien Shan, its features and diverse geoheritage.

The study is based on the methods of structural geology, historical geology, stratigraphy, paleontology, assessment of exogenous-geological processes, georisks, geography, climatology, and their relationship with socio-economic development.

International experts from leading organizations are invited as lecturers and guides to the summer school:

- International Commission on Geoheritage (ICG) of the International Union of Geosciences, IUGS
- European Association for the Conservation of Geological Heritage, ProGEO
- Australian Institute of Geologists,
- UNESCO Global Geopark Yangan-Tau,
- Central Asian Institute of Applied Geosciences,
- UNESCO Global Geopark Kula-Salikhly

The concept and program of the summer school are attached.

To participate in the summer school, please send a request letter to the email address:
info@geotianshan.org WhatsApp + 996 553 991663

Detailed information about the program and conditions for participation in the summer school are presented on the website of the Tien Shan Geological Society at the link:
<https://www.geotianshan.org/en/expeditions/international-summer-school-on-geology-2025/>

Sincerely,

Secretariat of the Tien Shan Geological Society