U-Th Deposits of the Central Ukrainian Uranium Province,
2-6 July 2018
Second circular

A field trip to the central part of the Ukrainian Shield where albitite-type metasomatic U-Th deposits of the Central Ukrainian Uranium Province are located. The trip will be held immediately after the IAEA International Symposium on Uranium Raw Material for Nuclear Fuel Cycle (URAM-2018) that will be held in Vienna, Austria 25-29 June 2018 (https://www.iaea.org/events/uram-2018).

The Central Ukrainian Uranium Province is located in the central part of the Ukrainian Shield and hosts numerous U deposits confined to metasomatic albitite bodies that formed at c. 1800 Ma, coevally with numerous mafic and ultramafic dykes widely distributed in the same area. Some 20 deposits and numerous occurrences are known in that area, with total resources exceeding 300 000 t U. These deposits were the first U deposits of albitite type mined in the world. Average grade of these deposits is rather low and varies from 0.05 to 0.20 wt. % U, but resources are quite large.

Duration: 5 days, 2-6 July 2018
**Location:** The field trip will start on 2\textsuperscript{nd} July 2018 in Kyiv, the capital of Ukraine, and will finish on 6\textsuperscript{th} July in Kyiv. During the trip, we plan to see the core material from several U-Th deposits, mainly of albitite type (city of Pervomaisk), to visit several outcrops and quarries in which ore-bearing albitites crop out (Kryvyi Rih), and to visit one or two underground mines near the city of Kropivnytsky (formerly Kirovohrad). If weather conditions and time will permit, we shall visit also several open pits in which host for Na-metasomatites rocks crop out (city of Novoukrainka and Subotsy village).

**Transportation and accommodation:** We plan bus transportation from Kyiv to the Kropivnytsky and Kryvyi Rih areas and between the outcrops; the total distance that will be covered during the trip is c. 1200 km. We shall stay overnight in hotels in Kropivnytsky and Krivyi Rih.

**Weather conditions and equipment:** Weather during the first week of July in Central Ukraine is usually calm and pleasant. We expect 25-30 °C daytime temperature and dry sunny weather. The field excursion assumes 1 to 2 km walks to the outcrops and possibly some climbing, so comfortable field footwear is welcome. No other special equipment is required.

We expect that participants will arrive in Kyiv during the weekend, 30 June – 1 July 2018. Kyiv hosts two International airports – Boryspil and Zhulyany. Most of the international airlines are serviced in the Boryspil airport. There is a cheap (ca. 3 €) and frequent bus service to the downtown area (central railway station), but please be prepared that many of the Ukrainians, including bus drivers, do not speak English. You may also take a taxi that will cost about 20-25 € depending on your destination in the city. If necessary, we may arrange an appointment at the airport.

The local currency in Ukraine is Ukrainian hryvnya (UAH). The current exchange rate is about 26 UAH for 1 US$ and 32 UAH for 1 Euro. There are plenty of currency exchange offices around the city. The exchange offices in the airport do not offer good exchange rates, so do not change large sum there. You can also get Ukrainian cash from one of the numerous ATM machines.

**Registration and deadlines:**

The registration fee is set to **400 €** and covers the field trip guide, transportation, accommodation and meals during the field trip. Registration fee does not cover stay in a hotel in Kyiv.

The registration fee must be paid by bank transfer or in cash during the trip. You will receive the bank details upon request. You will get a receipt for your payment.

**Visa information:**

Citizens of the EU, UK, USA, Canada and many other countries do not require Ukrainian visa. Please, check in the nearest Ukrainian embassy if you need a visa to enter Ukraine. For an official invitation please send a request to Utrip2018@ukr.net. Please, feel free to contact the same address if you need any further information.

**Accommodation in Kyiv:**

Kyiv is an ancient city with more than 1500 years of history, located on the second-largest European river, Dnieper. It is full of sightseeing and attractions for tourists. Some tourist information can be found here: www.mykiev.info/en
There are plenty of hotels and apartments for short-term rent in Kyiv, from very cheap to extremely expensive. You can browse the Internet for possible options. Feel free to contact Utrip2018@ukr.net if you need any help.

As a cheap but reasonably good option we suggest Tourist hotel: http://hotel-tourist.kiev.ua/en
If you prefer to stay in the very heart of the city, just next to Maidan, you may choose between Ukraina hotel http://www.ukraine-hotel.kiev.ua/en/ and Dnipro hotel https://www.dniprohotel.ua/en/

Participants and tentative schedule
According to the preliminary registration, some 15-20 people will take part in the field trip.

The tentative schedule for the field trip:

2nd July: 9:00 a.m. – departure from Kyiv towards Subotsy village. Distance: 300 km, duration of the trip: c. 6 hours with a lunch break.
3:00-5:00 p.m. – visiting the Subotsy quarry where granites of the Inhul complex and picrite dykes crop out.
5:00-6:00 p.m. – a trip to the city of Kropivnytsky, check in the hotel.
7:00 p.m. – dinner.

3rd July:
7:00-8:00 a.m. – breakfast.
8:00-9:30 a.m. – trip to the underground mine.
9:30 a.m. – 3:00 p.m. – visiting the underground mine, information from the local geologists, discussion, lunch.
3:00-6:00 p.m. – visiting of the second underground mine or open pit (to be confirmed)
6:00-7:00 p.m. - a trip back to Kropivnytsky.
7:00 p.m. – dinner.

4th July:
7:00-8:00 a.m. – breakfast, checking out from the hotel.
8:00-10:30 a.m. – a trip to the city of Pervomaisk, Distance: 120 km.
10:30 a.m. – 1:00 p.m. – observation of the core material in the geological enterprise.
1:00-2:00 p.m. – lunch.
2:00-7:00 p.m. – a trip to Kryvyi Rih, Distance: 250 km.
7:00 p.m. – check in the hotel, dinner.

5th July:
7:00-8:00 a.m. – breakfast.
8:00-9:00 a.m. – a trip to the open pit.
9:00 a.m. – 2:00 p.m. – visiting the open pit, observation of the iron ores of the Kryvyi Rih banded iron formation and of Na-metasomatites.
2:00-3:00 p.m. – lunch.
3:00-6:00 p.m. – visiting outcrops in Kryvyi Rih, observation of the mafic dykes and BIF.
6:00-7:00 p.m. – a trip back to the hotel.
8:00 p.m. – the farewell dinner.

6th July:
7:00-8:00 a.m. – breakfast, checking out from the hotel.
8:00 a.m. – 4:00 p.m. – a trip back to Kyiv. Distance: 420 km, duration of the trip: c. 8 hours with a lunch break.