



**SEG
2018**

Metals, Minerals, and Society

Keystone, Colorado, USA
September 22-25, 2018



SEG 2018 Field Trip Itinerary (Preliminary)

FT01 - Central and South Kamchatka Mining Districts, Far East of Russia

www.seg2018.org/field-trips.html#1

Date: September 13-19, 2018

Location: Departing from and returning to
Petropavlovsk-Kamchatsky, Russia

Leader: Daria S. Bukhanova

Included: Accommodation, Food, Transport

Not Included: Flights/Airfare



Kamchatka Peninsula is located in the northeastern section of the Pacific Ring of Fire. There are 31 active volcanoes and more than 150 groups of hot springs, countless boiling mud cauldrons, fumaroles, and other forms of volcanic activity.

This is a geologically dynamic area with highly prospective mining districts for the discovery of Cu-Au-Mo porphyry, Au-Ag epithermal deposits. The field trip will provide the opportunity to visit the Central Kamchatka mining district with the Shanuch Ni-Cu-Co Mine and Kirganik Cu-Au porphyry deposit (a greenfields exploration project). The trip also includes a visit to the South Kamchatka mining district, which is surrounded by active volcanoes and hydrothermal systems. It hosts the Mutnovskoe and Rodnikovoe Au-Ag low-sulfidation deposits, Mutnovsky and Gorely active volcanoes (a crater visit is included), the Mutnovsky Geothermal Power Plant, and several groups of hot springs (Dachniy, Vilyuchinskie and Verkhne Paratunskie).

Participants must have warm and waterproof field clothing. The temperature in mid-September typically ranges from +10° to -5°C. Transportation from Petropavlovsk-Kamchatsky city to the mining districts will be by truck and locally by all-terrain vehicles.

Most foreign nationals are required to have an entry visa to Russia (excluding most South American and CIS countries). The visa requirements of Russia can be found on the website of the Embassy of the Russian Federation or the Ministry of Foreign Affairs of the Russian Federation.

Visas can be obtained at local Russian Embassies or Consulates. To have a visa issued, an official invitation processed by a Russian governmental office or officially authorized company is required. This will be provided by the field trip leader.

Discussion will be in English and Russian, with translation.

(continued on next page)

Itinerary

Day Before - Wednesday, September 12, 2018

- Arrival to Petropavlovsk-Kamchatsky (Elizovo Airport). Meeting at the airport with a field trip leader. Check in at Inn Dom Kutha Hotel.

Accommodation

Inn Dom Kutha, St. Gorkogo 16, Petropavlovsk-Kamchatsky, 683024
+ 7(4152)-23-23-80 | kutkhs_house@umitpk.ru

Day 1 - Thursday, September 13, 2018

- 7:00am - 12:00pm: Check out from Inn Dom Kutha Hotel. Depart from Petropavlovsk-Kamchatsky city to South Kamchatka mining district. On the way planned half-hour stop at Goryachaya Mountain wild hot springs (Verkhne Paratunsky hot springs group).
- 12:00pm - 5:00pm: Visit the Gorely volcano. Hike to recently active vents of the volcano. Quick lunch will be at the top of the volcano.
- 5:00pm - 7:00pm: Departure to Mutnovsky Geothermal Power Plant which is located at the foot of Mutnovsky active volcano. Check in at Power Plant Hotel. Dinner at the Mutnovsky Power Plant canteen.

Accommodation

Mutnovsky Geothermal Power Plant Hotel, Kamchatsky Krai, 684035
+7-914-629-63-52

Day 2 - Friday, September 14, 2018

- 8:00am - 9:00am: Departure from Mutnovsky Geothermal Power Plant to Mutnovskoe Au-Ag epithermal low-sulfidation deposit.
- 9:00am - 1:00pm: Introduction, overview of Mutnovskoe deposit geology, visit of ore veins outcrops.
- 1:00pm - 2:00pm: Return to the Mutnovsky Geothermal Power Plant and lunch at the canteen.
- 12:00pm - 3:00pm: Departure from the Power Plant to Rodnikovoe Au-Ag epithermal LS deposit.
- 3:00pm - 7:00pm: Introduction, overview of Rodnikovoe deposit geology, visit of ore veins outcrops. The visit of Vilyuchinskaya hydrothermal system hot springs.
- 7:00pm - 8:00pm: Departure to Mutnovsky Geothermal Power Plant. Dinner at the Mutnovsky Power Plant canteen.

Accommodation

Mutnovsky Geothermal Power Plant Hotel, Kamchatsky Krai, 684035
+7-914-629-63-52

Itinerary *(cont.)*

Day 3 - Saturday, September 15, 2018

- 8:00am - 2:00pm: Hike to recently active vents and fumaroles of the Mutnovsky volcano. Visit to the Dachniy hot springs which is located at the foot of the volcano.
- 2:00pm - 3:00pm: Lunch at the Mutnovsky Power Plant canteen. Check out from Hotel.
- 3:00pm - 7:00pm: Departure from Mutnovsky Geothermal Power Plant to Petropavlovsk-Kamchatsky city. Check in at Avacha Hotel.

Accommodation

Avacha Hotel, Leningradskaya Street 61, Petropavlovsk-Kamchatsky, Russia, 683003
+7 (415) 42-73-31 | travel@avacha-hotel.ru | <http://avachahotel.ru>

Day 4 - Sunday, September 16, 2018

- 10:00am - 2:00pm: Check out from Avacha Hotel. A short excursion at the Institute of Volcanology and Seismology, Far East Branch of the Russian Academy of Sciences. Lunch.
- 2:00pm - 7:00pm: Depart from Petropavlovsk-Kamchatsky city to Milkovo village which located closer to Central Kamchatka mining district. Check in at Geologist Hotel.

Accommodation

Geologist Hotel, Oktyabrskaya Street 16, Milkovo village, Kamchatsky Krai, 684300
+7(41533)2-14-42

Day 5 - Monday, September 17, 2018

- 7:00am - 12:00pm: Depart from Milkovo village to Kirganik Cu-Au porphyry greenfields exploration project. Transportation will be by truck and locally by all-terrain vehicles. Quick lunch will be at the Kirganik area.
- 12:00pm - 3:00pm: Introduction of Kirganik Cu-Au porphyry deposit, visit to the outcrops and trenches.
- 3:00pm - 8:00pm: Returning back to Milkovo village and dinner.

Accommodation

Geologist Hotel, Oktyabrskaya Street 16, Milkovo village, Kamchatsky Krai, 684300;
+7(41533)2-14-42

Day 6 - Tuesday, September 18, 2018

- 8:00am - 11:00am: Depart from Milkovo village to Shanuch Ni-Cu-Co Mine.
- 11:00am - 2:00pm: Introduction, safety instruction and Lunch.
- 2:00pm - 5:00pm: Open pit visit.
- 5:00pm - 8:00pm: Returning back to Milkovo village and dinner.

Accommodation

Geologist Hotel, Oktyabrskaya Street 16, Milkovo village, Kamchatsky Krai, 684300;
+7(41533)2-14-42

Itinerary *(cont.)*

Day 7 - Wednesday, September 19, 2018

- 9:30am - Check out from Geologist Hotel.
- 10:00am - 3:00pm: Depart from Milkovo village to Petropavlovsk-Kamchatsky city. Check in at Avacha Hotel.
- 6:00pm: The final dinner.

Accommodation

Avacha Hotel, Leningradskaya Street 61, Petropavlovsk-Kamchatsky, Russia, 683003
+7 (415) 42-73-31 | travel@avacha-hotel.ru | <http://avachahotel.ru>

Flight Information

Daily flights to Petropavlovsk-Kamchatsky depart from Moscow, Khabarovsk, Vladivostok and Novosibirsk, with connections via Seoul-Incheon, Tokyo Narita, Hong Kong, and Beijing to Khabarovsk and/or Vladivostok.

Advice to book tickets in advance for more convenient arrival and departure dates and lower prices.

The cheapest and most convenient flights carry out by the **Aeroflot Airlines** (www.aeroflot.ru). As an example, to fly from and to Moscow, there are most convenient flights SU 1730 / SU 1731 (via Sheremetyevo airport) or SU 6285 / SU 6286 (Domodedovo airport).

Regular flights are also carried out by: **S7 Airlines** (www.s7.ru) and **Ural Airlines** (www.uralairlines.com/en).

Leader

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