

## **Announcement to students applied to**

### **Field Course in Regional Geology MG421T24E**

The regional geology course for students of geology (part of the crystallinicum and folded Paleozoic cover (MG421T24E) will take place from Wednesday e 19th May 2020 to Friday 21 May 2021. The excursion to the platform cover is organized by Prof. Opluštil independently. The course will take place in the form of star-like excursions from Prague by means of public transport (train for first two days of excursion, bus for the 3th day) with every day return to Prague.

We would be probably able to buy some refreshment and drinks, but it is better to take some own meal and drinking water, because shops and restaurants on the route could have a closing day.

The field course will be devoted to the geology of the Bohemian massif and to geology of the Barrandian Neoproterozoics. First two days excursion will be devoted to contact of the Kutná Hora Crystalline Unit, Moldanubicum and Teplá-Barrandian Block in the Sázava River valley between Český Šternberk and Stříbrná Skalice.

On the third day, the excursion program will be dedicated to Neoproterozoic geology of the NE flank of the Teplá-Barrandian Unit. The island arc rocks of Ediacarian age will be shown in the Vltava River incised valley (from the Slapy dam to Štěchovice south of Prague). Intrusive of the CBPC intruding into Neoproterozoic basement will be also presented.

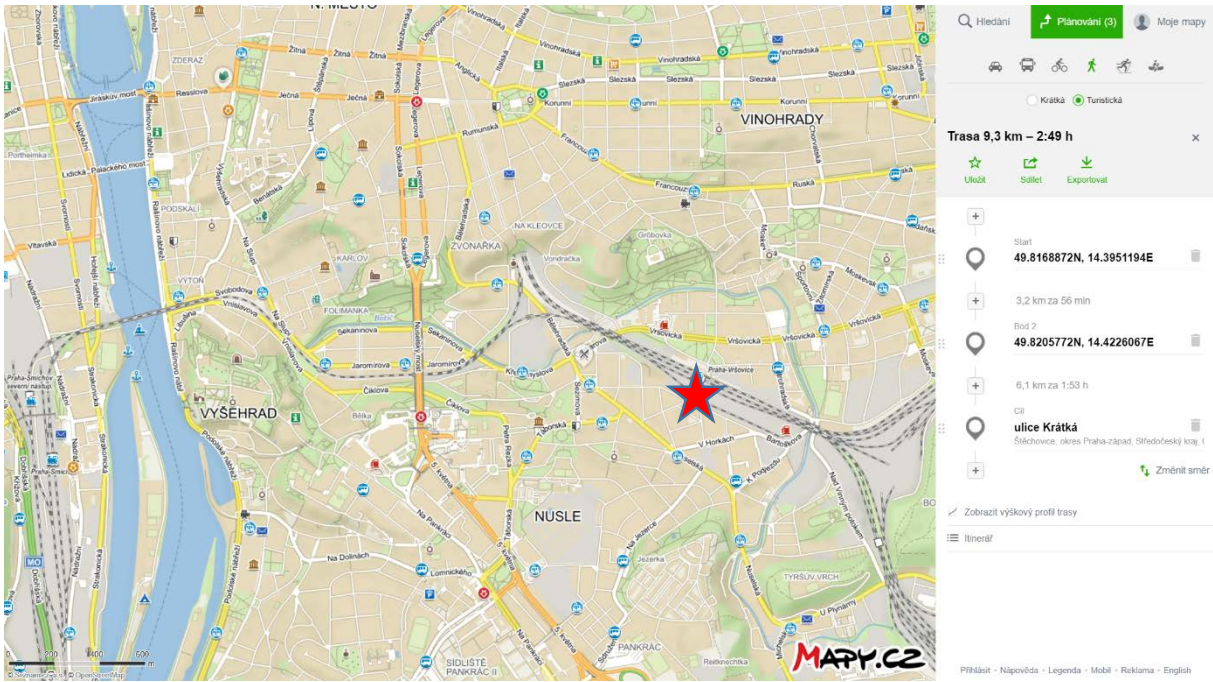
### **Field excursion to the Crystalline complexes of the Bohemian Massif (19.5. -21.5. 2019)**

#### **Day 1 + 2: . 20. 5. – 21. 5. 2019 (Wednesday, Thursday) - Tectonic contact of Moldanubian and Kutná Hora crystalline Unit in the Sázava valley between Č. Šternberk and Stříbrná Skalice, contact of the Central Bohemian Plutonic Complex with Kutná Hora and Moldanubicum,**

Departure: Wednesday 19. 5. 2021– railway station Vršovice (see picture below, station is marked by red star) or 5-8 min earlier from the Prague main station (aprox. 10 minutes from the Albertov by tram no. 18, 24, 7). Passenger train from Prague to Benešov. Dep. 6:35, arrival Čerčany 7:26 pass to p. train 9225 to Český Šternberk. (8:27).

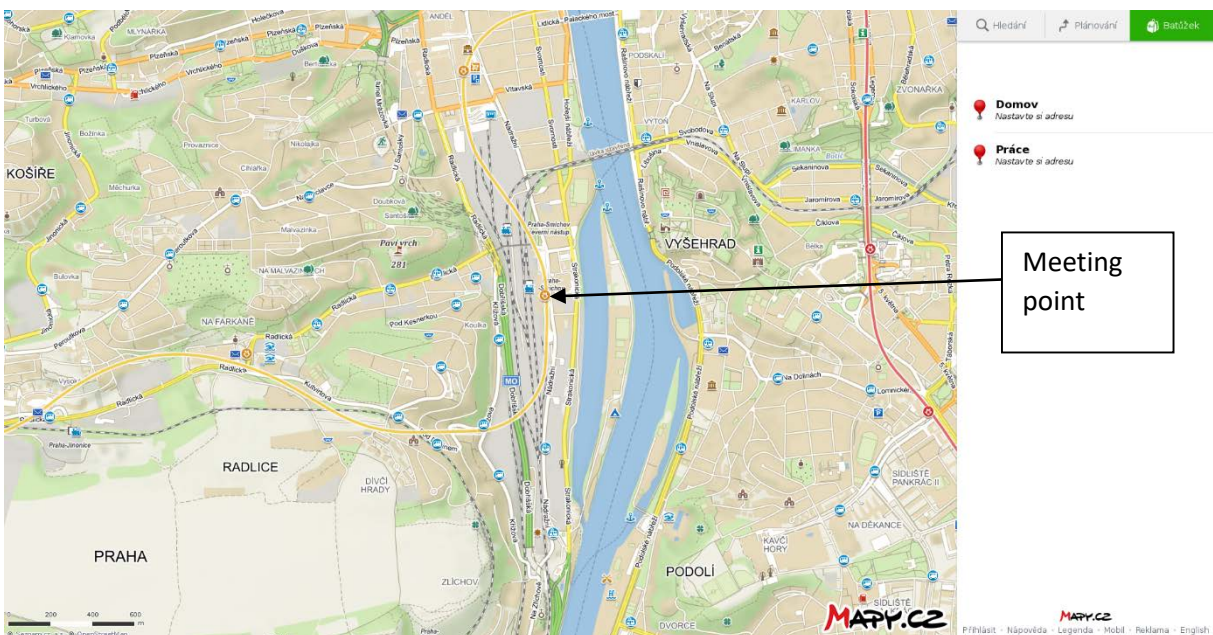
Back by train from the station Ledče n. Sázavou, dep. 15:04, arr. Čerčany 15:48 pass to train to Prague – dep. 16.00, arrival to Prague Vršovice 16:48.

The second day the transport is the same, but we leave from the station Štříbrná Skalice to Čerčany and than to Prague. Assumed price for one way ticket (without discount) is about 117 Kč. It is possible to buy a group ticket (It is cheaper than for individual ticket).



**Day 3: Fiday 21. 5. 2019 – Ediacarian island arc developed on the NE flank of the TBO. Volcanics, subvolcanics and volcanoclastites of the Jílové Belt, Neoproterozoic to Cambrian Flysch of the Štěchovice G.,**

Meeting point (viz a map). Stop in front of the entrance to the Prague Smíchov Railway Station (see map) at 7:15 – here are bus stops (direction, Štěchovice, Slapy).



Departure of bus No 100 36123 at 7:20 am, arrival Slapy Motorest 8:08 (price 46 Kč). Ca 13 km walk along the Vltava River valley.

Expected return - 16 - 17:00 - back by bus from Štěchovice, frequency of the busses are aprox. 0,5 hour, for example departure from Štěchovice at 15:40 - 16:18 (arrival to the Prague-Smíchov-railway station).

From Slapy village to Štěchovice walk along the road, then a hiking trail around the Štěchovice dam in the Vltava valley.

On field trips it is necessary to take off-road shoes and clothes, backpack, raincoat, notepad, stationery, camera). Each participant will be required to have a geological hammer. Who has a geol. compass, take with you! It is necessary to take sufficient money to cover the costs of food and transport. Students who do not own a geol. compass, the compasses will be lent.

More detailed descriptions of excursion sites, rock micrographs, publications on the above issues can be downloaded from the UGP web site at:

<http://web.natur.cuni.cz/ugp/main/staff/kachlik/>

or in the university moodle web page:

<https://dl2.cuni.cz/course/view.php?id=2800>

Conditions for obtaining the credit (for foreign participants the conditions for obtaining the credit will be specified during the excursion).

Active participation in the excursion and presentation of the excursion report in the range of 3-5 pages of typed text with drawings or photos of the visited sites, the ideological profile, the large regional units that we will study during field excursions.

Suggested text Structure:

1. Introduction - definition of main units and their boundaries, possible interpretation of unit relations - state of art.
2. Partial characteristics of the units and sites visited - with drawings, descriptions, measurements of structural elements
3. Schematic profiles across the profiles we traversed.
4. List of used literature.

The credit will be awarded after checking presence on all of the excursions mentioned above and submitting and approving the excursion report after its ending in June. The message can be sent in the el. form to: [kachlik@natur.cuni.cz](mailto:kachlik@natur.cuni.cz) or to the moodle web site marked:

“Vyplněné protokoly z exkurzí” Filled protocols from excursions

V. Kachlík.