



# Canadian Tectonics Group Fall Workshop 2021

## Oct 1-3, Rouyn-Noranda, Flavrian resort

### 2<sup>nd</sup> circular

#### ***Introduction***

The 2021 CTG Fall workshop will be held in the **Abitibi greenstone belt of Quebec**, the largest and one of the best exposed Neoproterozoic supracrustal belts in the Superior Province. In addition to being the main source of precious metals in Canada, it has been the focus of ongoing research efforts to unveil the complex stratigraphy and tectonic evolution of the Archean Earth for over a century.

The field trip, to be led by **Stéphane de Souza and Normand Goulet**, will take place between the mining towns of **Rouyn-Noranda and Val d'Or, along the Larder Lake – Cadillac fault zone**, which marks a tectonic boundary between the Abitibi and Pontiac subprovinces. This area has a long mining history, with dozens of base and precious metal deposits, and very well-exposed supracrustal rocks, including bimodal volcanic rocks of the Blake River Group, and alluvial-fluvial to turbiditic clastic rocks of the Timiskaming Group.



#### ***Essentials***

The two-day field trip will focus on exceptional exposures showing : 1- the primary and secondary features, stratigraphic relationships, and polyphased deformation of the supracrustal rocks in the vicinity of the Larder Lake – Cadillac fault zone, and 2- the setting and structural controls of auriferous veins. The trip will start in the Rouyn-Noranda area, with two N-S transects across the Larder Lake – Cadillac fault zone, which will be followed by a selection of stops along highway 117 on the way to Val d'Or. The transects will allow discussions about fault kinematics, strain gradients, superimposed folding, timing of basin formation, and Archean geodynamic evolution of the Abitibi belt. The trip will also give a glimpse of the metallogenic context and mechanisms of auriferous vein formation and deformation along the famous Rouyn-Noranda – Val d'Or gold belt.

Students of all levels, professional geologists and faculty members are invited to participate in this event. In order to optimize the time in the field and minimize physical contacts, **oral presentations will be held online during the week preceding the field workshop**. The group will convene in **Rouyn-Noranda on Friday October 1st**, for a 'distanced' get together at the Flavrian outdoor resort, where accommodations will be provided for Friday and Saturday nights. The trip will end in **Val d'Or on Sunday October 3rd** in the early afternoon. Rouyn-Noranda is easily accessible by car from Val d'Or (1h20), Montreal (7h) and Toronto (6h30) and local flights allow transits from Canadian cities to the Rouyn-Noranda and Val d'Or airports.

## ***Abstracts, posters and presentations***

As part of the workshop, you are invited to make a presentation in the form of a traditional 15-minute talk, or a short 5-minute 'speed talk' about your ongoing research or teaching. These presentations will take place online on Monday Sept. 27<sup>th</sup> and Wednesday Sept. 29<sup>th</sup> (with no registration cost), and in person during the evening of Saturday Oct. 2<sup>nd</sup> (for workshop participants). We will require that you send in an abstract (< 400 words, 1 figure optional), by Sept. 13<sup>th</sup>. If possible, please send in a preliminary abstract title at the time of registration. If you plan to present online and are not attending the workshop, you do not need to fill out the registration below, send your abstract to the email address below by the deadline.

## ***Transportation***

We have reserved 15-passenger Transit vans for transportation to and from Rouyn-Noranda, and during the field trip. The vans will departure from Montreal on Friday morning (Oct. 1<sup>st</sup>) from the Président-Kennedy Pavilion at Université du Québec à Montréal (201, avenue du Président-Kennedy, Montréal), and will return on Sunday night. Let us know if you need this service – there will be an additional cost for those who require it.

## ***Cost***

The prices listed below are for members of the Geological Association of Canada - Canadian Tectonics Group – add 15\$ for non-members. They include lodging for two nights (double occupancy on Friday and Saturday) at the Centre de Plein air du lac Flavrian, breakfast and lunch on Saturday and Sunday, and one supper on Saturday evening.

-Student: **120\$**

-Professional: **350\$**

## ***Covid measures***

Note that we will be following all local, provincial and national advice on Covid-19 safety protocols ahead of and during the workshop. Measures in force in the Rouyn-Noranda area: <https://www.quebec.ca/en/health/health-issues/a-z/2019-coronavirus/progressive-regional-alert-and-intervention-system/map-of-covid-19-alert-levels-by-region>

We will require that all participants be vaccinated twice before September 20<sup>th</sup>, or present a negative Covid test 48h before departure. Expect to mask inside and also outside when social distancing is not possible.

## ***How to register***

If you want to participate, please simply copy the following entries and paste them with the required information in a message addressed to [ctgworkshop2021@gmail.com](mailto:ctgworkshop2021@gmail.com). **Registration deadline is Sept 20, and spaces are limited.**

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Phone#: \_\_\_\_\_ Affiliation: \_\_\_\_\_

GAC member: \_\_\_\_\_ Student \_\_\_\_\_ Professional \_\_\_\_\_

Do you want to make a presentation?: \_\_\_\_\_

-If yes: 15 min \_\_\_\_\_ 5 min \_\_\_\_\_

-preliminary title or subject: \_\_\_\_\_

-preferred presentation date: Sept 27 \_\_ Sept 29 \_\_ Oct 2 \_\_

Do you need transportation from Montreal?: \_\_\_\_\_

Will you be vaccinated twice before September 20<sup>th</sup>?: \_\_\_\_\_

For questions, please write to [ctgworkshop2021@gmail.com](mailto:ctgworkshop2021@gmail.com)