

First China-Russia International Meeting on the Central Asian Orogenic Belt and IGCP 592 Workshop

September 23-25, 2015, Beijing, China

with post-conference excursion

26-29 September, Inner Mongolia, China

Third Circular



Sponsors:

Institute of Geology, Chinese Academy of Geological Sciences,

Beijing, China

Institute of the Earth's Crust, Siberian Branch,

Russian Academy of Sciences

IGCP Project 592

1. About the Meeting

The Central Asian Orogenic Belt (CAOB), sandwiched between the Siberian and Tarim-North China Cratons, is regarded as a geological museum exemplifying accretionary orogeny and Phanerozoic continental growth on Earth. To understand these processes is one of the major issues of the geology of Asia. In 2013, a study of the tectonic evolution of the southern CAOB occupied the first place of five research fronts in the earth sciences identified by the publisher Elsevier Ltd.

The CAOB is extensive, extending across Russia, China, Kazakhstan, Mongolia and neighbouring countries. Russian scientists have conducted research and investigations in the northern and central CAOB and have held annual meetings in Irkutsk for more than 10 years. Likewise, many Chinese geologists have undertaken research on the southern CAOB in NW China, Inner Mongolia and NE China. Furthermore, scientists from Mongolia, Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan and western countries have also carried out research on the CAOB. Due to its huge size, international and across-border comparative studies are required to improve our understanding of this orogen. It is now considered necessary to build a platform of communication between Russian, Chinese and other countries' geologists to exchange new data and ideas and to discuss and plan future cooperation.

The Institute of Geology, Chinese Academy of Geological Sciences (CAGS) and the Institute of the Earth's Crust, Siberian Branch, Russian Academy of Sciences (RAS), in cooperation with major projects such as IGCP Project 592, the Major State Basic Research Program (973) of China, the Project of Compilation of Geological Maps of Central Asian by Five Asian Countries, and a Major Program of the National Natural Science Foundation of China, will organize the First China-Russia International Meeting and IGCP 592 Workshop on 23 to 25 September 2015 in Beijing, China, followed by a post-conference field excursion. This meeting will provide a forum for discussion to compare the tectonic and palaeogeographic evolution of the CAOB in Russia, China and neighbouring countries, to present and discuss new data and evolutionary models, and to discuss future international cooperation on geological and geophysical research. The meeting will be held for 3 days on 23-25 September at the Chinese Academy of Geological Sciences, Beijing, followed by a 3-day excursion to Inner Mongolia.

2. Main topics

- Evolution of the Palaeo-Asian ocean: from accretion to collision (ophiolites, ocean plate stratigraphy, tectonics, magmatism, metamorphism and deformation styles);
- Across-border correlations in the CAOB and nomenclature;
- Continental crustal growth and architecture;
- Intra-plate processes and mantle plumes;
- Mineralization in Central Asia;
- Superposition of the palaeo-Pacific and Okhotsk tectonics;
- Continental amalgamation in the CAOB, Neoproterozoic to Palaeozoic palaeogeography and palaeomagnetism.

3. Sponsoring Organizations/Senior Representatives

- Institute of Geology and Beijing SHRIMP Center, Chinese Academy of Geological Sciences (CAGS), Beijing, 100037, China (Zen-Qian Hou, Tao Wang, Jin-Yi Li, Dun-Yi Liu, Alfred Kröner, Yu-Ruo Shi)
- Institute of the Earth's Crust, Russian Academy of Sciences, Siberian Branch, Irkutsk, 664033, Russia /(Dmitry Gladkochub, Tatiana Donskaya)
- IGCP-Project 592 (Continental Construction in Central Asia, Inna Safonova ,Novosibirsk, Russia, Reimar Seltman, London, UK, Min Sun (Hong Kong, China), Wen-Jiao Xiao (Beijing and Urumqi, China).
- Project of Atlas of Geological Maps in Central and Eastern Asia by five Asian countries(Shu-Wen Dong (Beijing, China), O. Petrov (St- Petersburg, Russia)
- Major State Basic Research Program (973) of China (Tectonic superposition in the eastern CAOB and large-scale mineralization)(Bei Xu, Beijing, China)
- Large Project of National Science Foundation of China (Large-scale porphyry-type mineralization in the Central Asian metallogenic domain,Jun Gao, Beijing, China)
- China-SCO Geosciences Cooperation Research Center, Ministry of Land and Resources, P.R. of China (Wen Yuan Li)

4. Secretaries-General:

Tao Wang

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Members:

Chinese side:

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He Huang (CAGS, Tel: +86 13581816019, huanghecugb@126.com).

Russian side:

Vladimir Yarmolyuk (e-mail: yarm@igem.ru),
Kirill Degtyarev (e-mail: degtkir@ginras.ru),

Alexander Kotov (e-mail: abkotov-spb@mail.ru),
Andrei Sorokin (e-mail: sorokin@ascnet.ru).

5. Dates and location of meeting

Conference: 23-25 September 2015, Beijing, China
Post-conference field trips: 26-29 September 2015, Inner Mongolia, China
Venue: CAGS, 26 Baiwanzhuang Road, Beijing 100037, China

6. Contact information

A. For scientific information:

- Tao Wang, Institute of Geology, CAGS, 26 Baiwanzhuang Road, Beijing 100037, China; Tel: +86 13683242287, E-mail: taowang@cags.ac.cn, taowang@pku.edu.cn
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B. For registration, hotel reservation, field trip payment and others:

- Zi-Chun Cai, Institute of Geology, CAGS, Beijing, China; Tel: +86 10 68999672, E-mail: caizichun@126.com
- He Huang, Institute of Geology, CAGS, Beijing, China; Tel: +86 13581816019, Email: huanghecugb@126.com

7. Abstracts

Abstracts should be submitted in the format of Gondwana Research with text file in Word, figure files in .jpg and tables, if any, in Excel. Extended abstracts should be limited to 3 printed pages, and all references cited must be listed in full at the end of the abstract. Abstracts in English should be submitted electronically to He Huang (huanghecugb@126.com) and Tao Wang (taowang@pku.edu.cn) before 10 September 2015.

8. Post-symposium field excursion

Middle Palaeozoic convergent orogenic belts in western Inner Mongolia: Cross section from the northern margin of the North China Craton into the southern CAOB (see Fig. 1)

Leaders: Bei Xu, Ying Tong, Tao Wang, Lei Guo and colleagues

Date: 25-28 September, 3 days. Depart by train from Beijing at 3:33 p.m on 25 Sept and arrive same day in Jining, central Inner Mongolia, at 8:35 p.m. Return by plane from Erenhot on 28 September, departing at 5:05 p.m. and arriving in Beijing at 6:45 p.m..

Fee: 200 USD (1250 CNY), including guide book, accommodation, food and transportation during the excursion.

Observations and objects:

The tectonic framework of the CAOB in western Inner Mongolia is characterized by two Middle Paleozoic convergent orogenic belts, namely the southern orogenic belt (SOB) and northern orogenic belt (NOB) (Fig.1.1). The SOB includes, from north to south, a fold belt, m \acute{e} lange, arc-pluton belt, and a retro-arc foreland basin, representing a southern subduction–collision system that operated 500–440 Ma. The NOB also consists of four units, from north to south an arc-pluton belt, m \acute{e} lange, foreland molasse basin, and fold belt, representing a northern subduction–collision system that operated during 500–380 Ma. From the early Palaeozoic, Palaeo-Asian oceanic domains were subducted to the north and south, resulting in the formation of the SOB and NOB at about 410 Ma and 380 Ma, respectively. This convergent orogenic system, therefore, records the consumption process of the Palaeo-Asian Ocean in western Inner Mongolia. A double subduction–collision accretionary process was the dominant geodynamic feature of the eastern part of the CAOB during the early to middle Paleozoic.

Schedule:

25 Sept.: From Beijing to Jining

By train, depart Beijing at 3:33pm and arrive in Jining at 8:35pm.

If necessary, we will give a brief introduction to the field excursion after supper.

26 Sept.: Southern orogenic belt (SOB)

26 Sept.: AM 5:00-7:00 From Jining to Tulinkai early Palaeozoic ophiolite m \acute{e} lange by bus/jeep.

Stop 1. (8:30) Tulinkai early Palaeozoic ophiolite m \acute{e} lange (South of Ondor Sum) with gabbro age of about 480Ma

The area represents the southern boundary of the CAOB with the NCC.

Stop 2. Newly discovered Triassic mafic volcanism (246 Ma?)

Lunch in the field

Stop 3. Ulan Valley section (Ondor Sum m \acute{e} lange) (Ondor Sum Group)

Paleozoic subduction-accretion complex of the Southern orogen (Fig. 1)

Lodge at Sonid Youqi (ca. 5:00 p.m.)

27 Sept.: Northern orogenic belt (NOB)

Stop 4 Palaeozoic mélange

Stop 5 Molasse basin of the Devonian Seribayanaobao Formation

Stop 6 Accretionary prism of the Ondor Sum Group

Lodge at in Sonid Zuoqi

28 Sept.: Northern orogenic belt (NOB)

Stop 7 Early Palaeozoic arc rocks: diorite, dacite, and rhyolite

Stop 8 Precambrian basement

Stop 9 Permian alkaline granitoids

Back to Beijing by plane in the late afternoon from Erenhot airport.

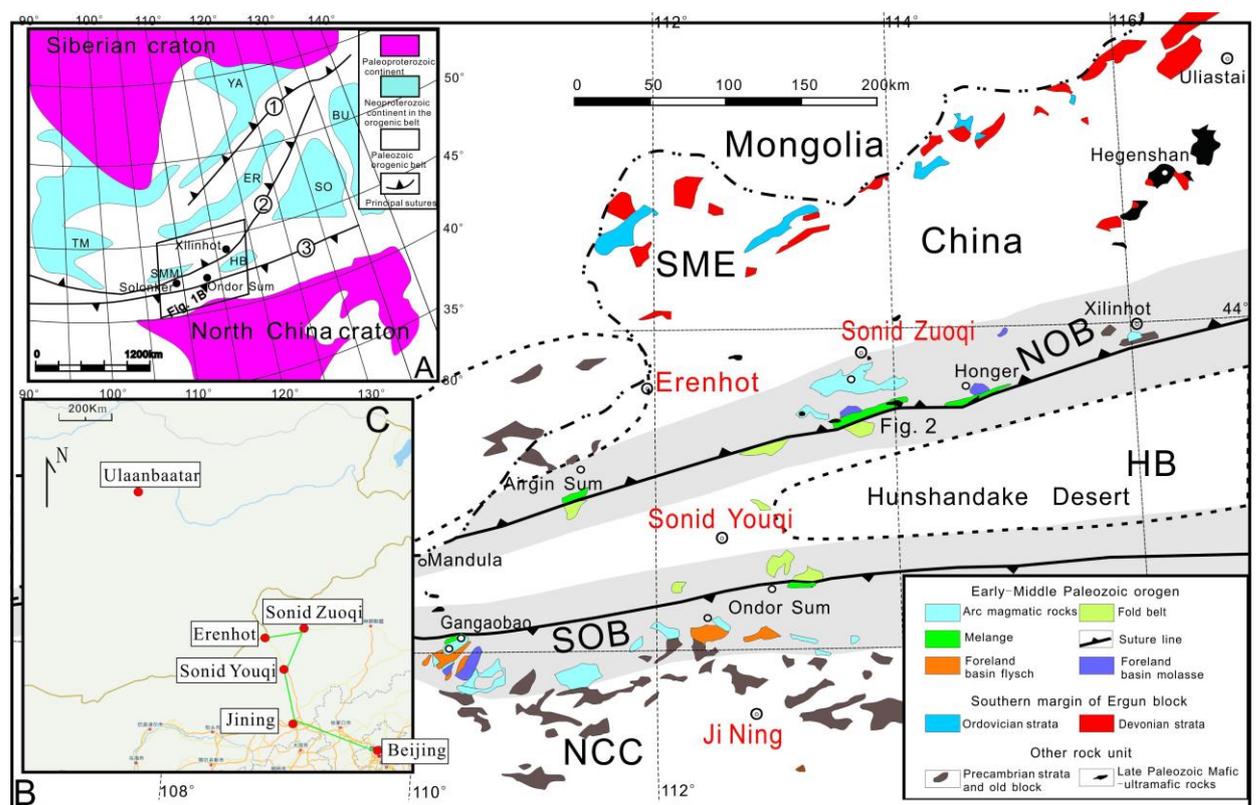


Fig. 1. Tectonic map showing location of the field excursion

The field excursion 2 (Wandashan accretionary complex) have to be canceled, because there have not more than 10 participators, as mentioned in the second Circular.

9. Registration and payment

Registration and free

Interested persons should send an e-mail message to He HUANG (huanghecugb@126.com) and Zi-Chun Cai (caizichun@126.com) attached the word file of the Registration Form.

Conference Registration fee: 300 Chinese RMB Yuan (ca. USD 49), including all meals and other costs during the conference.

Field Excursion fee: 1250 Chinese RMB Yuan (ca. USD 200), including guide book, accommodation, food and transportation (including about 123 USD for train and flight, ca. 765 CNY) during the excursion. Train tickets, air tickets and accommodation invoices will be provided as reimbursement voucher.

Payment

Registration fee (300 Chinese Yuan, or 49 USD) and field excursion fee (1250 Chinese Yuan, or 200 USD) are encouraged to make payment through wire transfer before 30 August (see the bank information below). **If it is not convenient, you can also pay the all these fees in the meeting.**

Registration: Afternoon, 23 September at the meeting place.

Banking details:

To be transferred to: The Industrial and Commercial Bank of China
SWIFT code: ICBKCNBJBJM
For Credit to: Institute of Geology, Chinese Academy of Geological Sciences
A/C: 0200001409008818443
The Industrial and Commercial Bank of China, Beijing Branch, Baiwanzhuang Sub-Branch
Please specify your name and “China-Russia meeting” on the transfer form when making payment. For any enquiries please contact us: huanghecugb@126.com

10. Important dates

Deadline for talk title and abstract submission: **10 September 2015**

11. Information on visa and hotel

1) Visa

Participants who are not entitled to visa exemption by agreement between China and the country concerned should hold valid passports and contact their travel agent or the nearest Chinese Embassy, Consulate or other representative agency in their country or region regarding the need for visas to enter the People’s Republic of China.

To apply for visas, registrants will be requested by the Chinese Embassy or Consulate to submit a invitation letter. The Organizing Committee will send the invitation letters in August 2015 to registrants who need it to apply for a visa., The following information is required to formulate the invitation letters:

- Full name shown in your passport
- Date and place of birth
- Gender
- Nationality
- Affiliation
- Mailing address
- Phone and fax numbers, and e-mail address
- Passport number
- City where you will apply for the Chinese visa (Embassy/Consulate)

In case you need to have an official invitation letter earlier than the above date, an e-mail message to explain the reason is requested (please contact us: huanghecugb@126.com).

2) Hotel information and meeting place in Beijing (all hotels listed below are in walking distance to the Conference venue)

Some overseas participants would like to book at Xindadu Hotel, and Ruija Hotel Hotel. We suggest that other participants also book at these hotels for your and our convenience.

Ruija Hotel (Three stars): ca. 308 Yuan (ca. 50 USD) per night for a standard room (including breakfast);

Xindadu Hotel: ca. 450 Yuan (ca. 73 USD) per night (including breakfast) for a standard room in the Main Building (Four stars), or ca. 280 Yuan (ca 46 USD) per night (not including breakfast) for a standard room in the Adjacent Building (Two Stars);

Xinjiang Hotel (Five stars): ca. 700 Yuan (ca. 113 USD) per night for a standard room in the VIP Building (including breakfast), or ca. 610 Yuan (ca. 99 USD) for a standard room in the Guest Building (including breakfast);

Meeting place: The meeting will be held at the Chinese Academy of Geological Sciences, 26 Baiwanzhuang Road, Beijing.

