

# **Second Russia-China International Meeting on the Central Asian Orogenic Belt**

**September 6-8<sup>th</sup>, 2017, Irkutsk, Russia**

**with post-conference excursion**

**September 9-12<sup>th</sup>, 2017, Baikal area, Siberia, Russia**

## *First Circular*



### **Sponsors:**

**Institute of the Earth's Crust, Siberian Branch of**

**Russian Academy of Sciences, Irkutsk, Russia**

**Institute of Geology, Chinese Academy of Geological Sciences,**

**Beijing, China**

**Russian Foundation for Basic Researches, Moscow, Russia**

**Federal Agency of Scientific Organizations, Moscow, Russia**

**Novosibirsk State University, Ministry of Education and Science, Russia**

## **1. About the Meeting**

The first China-Russia Meeting on the Central-Asian Orogenic Belt (CAOB) was held in September 2015 in Beijing. It was a very successful experience that allowed scientists from Russia, China and several other countries to get together and discuss new research results on the origin and development of the CAOB.

The Central Asian Orogenic Belt one of the largest accretionary orogens on Earth and occupies about 50 % of northern and central Eurasia. It is situated between the Siberian, North China and Tarim cratons, and its development lasted from the latest Mesoproterozoic to the early Mesozoic. Detailed studies have shown that the origin of the CAOB resulted from the closure of three ancient ocean basins, namely the Palaeo-Asian, Solonker and Mongol-Okhotsk oceans and formation of a large-scale composite accretionary orogen.

There are two contrasting hypotheses concerning the evolution of the CAOB. The first model regards the CAOB as an originally single and long chain of early Palaeozoic intra-oceanic island arc systems and back-arc basins that were produced by continuous subduction-accretion processes. This model is similar to the Mesozoic evolution of the North American Cordillera and predicts the existence of large orogen-parallel strike-slip faults. Another view suggests that the CAOB comprises a collage of microcontinents and oceanic as well as continental margin arcs that collided with one another and eventually accreted to the Siberian craton. This view corresponds to models of continent and arc-continent collisions. In general, this view looks similar to the present south-west Pacific style of accretion and may be considered as a major mechanism of large-scale orogen building.

Both models suggest that each part of the CAOB had its own particular tectonic evolution. This is why it is important to study different parts of the CAOB in Central Asia and to share new research results with colleagues within the international geoscience community. Combining international and across-border comparative studies will allow us to improve our understanding of the origin and development of the CAOB as a whole. Moreover, such scientific collaboration provides a platform for communication between Russian, Chinese and other countries' geologists to present new results, ideas and tectonic models and to determine key area and novel approaches for future research and cooperation.

The detailed schedule of the meeting and post-conference field excursion will be announced in the Second Circular.

## **2. Main topics:**

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

- Reconstructing the crustal structure and tectonics of the CAOB using geophysical techniques

### **3. Sponsoring Organizations/Senior Representatives**

- Institute of the Earth's Crust, Russian Academy of Sciences, Siberian Branch (IEC SB RAS), Irkutsk, 664033, Russia. Responsible scientists: Dmitry Gladkochub, Tatiana Donskaya, Eugene Sklyarov
- Russian Foundation for Basic Research, Moscow, 119991, Russia
- Federal Agency of Scientific Organization, Moscow, 119991, Russia
- Institute of Geology Chinese Academy of Geological Sciences of Geology and Beijing SHRIMP Center, Chinese Academy of Geological Sciences (CAGS), Beijing, 100037, China (Zen-Qian Hou, Tao Wang, Jing-Yi Li, Dun-Yi Liu, Alfred Kröner)
- Project of Atlas of Geological maps in Central and eastern Asian by five Asian countries/ Shu-Wen Dong (Beijing, China), O. Petrov (VESGEI, Russia)
- Major State Basic Research Program (973) of China (Tectonic superposition in eastern CAOB and large-scale mineralization) /Bei Xu (Beijing, China)
- Institute of Geology and Geophysics, Chinese Academy of Sciences / Wenjiao Xiao
- Novosibirsk State University, Ministry of Education and Science, Russia: Program 220, Project № 14.Y26.31.0018/ Inna Safonova

### **4. Secretaries-General:**

#### **Dmitry Gladkochub**

Institute of the Earth's Crust, Siberian Branch, Russian Academy of Sciences, Irkutsk, 664033, Russia; E-mail: [dima@crust.irk.ru](mailto:dima@crust.irk.ru)

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### **Members:**

#### **Russian side:**

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

## 5. Dates and place of meeting

*Conference:* 6 – 8 September 2017, Irkutsk, Russia

*Post-conference field trip:* 9 – 12 September 2017, Baikal area, Siberia, Irkutsk, Russia

*Venue:* Institute of the Earth's Crust SB RAS, 128 Lermontov Str., 664033 Irkutsk, Russia

## 6. Contact information

### A. For scientific information:

- Dmitry Gladkochub, Institute of the Earth's Crust, Siberian Branch, Russian Academy of Sciences, Irkutsk, 664033, Russia; e-mail: [dima@crust.irk.ru](mailto:dima@crust.irk.ru)
- Tatiana Donskaya, Institute of the Earth's Crust, Siberian Branch, Russian Academy of Sciences, Irkutsk, 664033, Russia; e-mail: [tanlen@crust.irk.ru](mailto:tanlen@crust.irk.ru)
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- Inna Safonova, Novosibirsk State University, Pirogova 2, Novosibirsk, Russia; [inna03-64@mail.ru](mailto:inna03-64@mail.ru)

### B. For registration, hotel reservation, field trip payment and others:

- Marina Marchuk, IEC SB RAS (Registration, Extended Abstract submission and others), Irkutsk, Russia; e-mail: [gt@crust.irk.ru](mailto:gt@crust.irk.ru)
- Svetlana Frolenko, IEC SB RAS (Hotel reservation & registration fee and field trip payments), Irkutsk, Russia; e-mail: [frolenko@crust.irk.ru](mailto:frolenko@crust.irk.ru)
- Polina Boyarchuk, IEC SB RAS (Invitation letters & visa), Irkutsk, Russia; e-mail: [foreign@crust.irk.ru](mailto:foreign@crust.irk.ru)

## 7. Abstracts (to be specified in the Second Circular).

Extended abstracts will be published in a Special Issue of the Scientific journal "Geodynamics and Tectonophysics" (Scopus) in September 2017. Abstracts should be submitted in the format of "Geodynamics and Tectonophysics" (<http://gt.crust.irk.ru/jour/about/submissions>) with text file in Word, figure files in .jpg. Extended abstracts should be limited to 5 printed pages, and all references cited must be

listed in full at the end of the abstract, following the “Geodynamics and Tectonophysics” format with journal names in expanded form. Abstracts in English should be submitted electronically to the Secretariat of the meeting (Marina Marchuk, [gt@crust.irk.ru](mailto:gt@crust.irk.ru)) before 1 June, 2017. Abstracts submitted after the deadline will not be included in the abstract volume.

## **8. Field excursion** (to be specified in the Second Circular).

As introduction to the field excursion in the Olkhon terrane (southern part of the CAO, Baikal area, Russia) see details in articles to be downloaded as below:

<http://jgs.lyellcollection.org/content/165/1/235.abstract?sid=b46b07d5-dcad-40ac-9c17-79263218c6fd>

<http://www.sciencedirect.com/science/article/pii/S1342937X16303434>

## **9. Important dates**

### **Deadlines and schedule:**

- 1 May 2017 – Pre-registration info (confirmation) from participants
- 1 June 2017 – Sending of Registration Forms and Extended Abstracts
- 1 July 2017 – Payment of Registration and field excursion fees
- 6 September 2017 – Arrival in Irkutsk (direct flight from Beijing), accommodation in the hotel, registration and ice-breaker party
- 7 September 2017 – Opening ceremony, oral presentations
- 8 September 2017 □ Oral and poster presentations, closing ceremony, banquet
- 9-12 September 2017 – Field excursion
- 13 September 2017 – Departure for Beijing and elsewhere from Irkutsk International Airport

## **10. Information on travel and expenses**

### **1) Visa**

Most foreign participants will be required to obtain a visa to enter Russia, which may take you some time. Please check your visa requirements with the relevant Consulate General of Russia in your home country. A formal letter of invitation is a likely prerequisite for visa application, and if this is the case, such a letter will be sent on request soon after you let us know. Please contact Polina Boyarchuk, IEC SB RAS (Invitation letters & visa), Irkutsk, Russia ([foreign@crust.irk.ru](mailto:foreign@crust.irk.ru)) to obtain an invitation letter and regarding any questions concerning visa arrangement.

### **2) Registration & Excursion fees**

**Registration fee – USD 200 for scientists and USD 150 for students and accompanying persons** (to be specified in the Second Circular)

**Excursion fee – USD 450 for everybody** (to be specified in the Second Circular)

### **3) Currency exchange:**

In Russia, the rouble (RUB) is the official currency. An exchange center is located in the airport

and money can also be exchanged in the banks. Visa & MasterCard are accepted in hotels, bars and many department stores. ATM could help you to get RUB cash from your credit card.



#### 4) Insurance liability

Participants should note that emergency medical costs are not covered by the registration fee.

#### 5) Hotel information

The Organizing Committee recommends the Hotel Akademicheskaya (Irkutsk) as it is located nearest (less than 500 m) from the Institute of the Earth's Crust.

Please use booking.com service to make reservations in the Hotel Akademicheskaya (Irkutsk) or in any other hotel in Irkutsk.

#### 6) Brief info about Irkutsk city

**Irkutsk** is one of the oldest cities in Russian Siberia (founded in 1661) and is large cultural, scientific and tourist center beyond the Urals. More information about Irkutsk can be found at [www.irk.ru](http://www.irk.ru) and <http://en.wikipedia.org/wiki/Irkutsk>

### 10. Pre-registration Form (to be send before 1 May 2017)

First Name	
Last Name	
Status (Prof., PhD etc)	
Affiliation	
Address	
Phone number	
Fax number	
E-mail	
Title of the presentation	
Type of the report (oral or poster)	
Accompanying person(s)	
I consider to participate in the field excursion (Yes or No)	

The Second Circular of the Russian-China CAOB meeting 2017 will be send to participants before 1 March 2017.

**We are waiting for you in Irkutsk (Siberia, Russia) in September 2017!**