

1st INTERNATIONAL WORKSHOP ON GEODYNAMIC EVOLUTION OF THE CENTRAL ASIAN OROGENIC BELT

Russian Academy of Sciences
Institute of Precambrian Geology
and Geochronology



Foundation
for Development
of National
Geology

Date and Venue:

**INSTITUTE OF PRECAMBRIAN GEOLOGY AND
GEOCHRONOLOGY, RUSSIAN ACADEMY OF SCIENCES,
NAB. MAKAROVA 2, ST. PETERSBURG, RUSSIA**

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Description of Subject and Objectives

The Central Asian Orogenic Belt (CAOB) (Jahn et al., 2000) also known as Central Asian fold belt (Zonenshain et al., 1990) or Altaid tectonic collage (Sengör et al., 1993) is located between the Siberian craton in the north and the Sino-Korean (North China) and Tarim cratons in the south and encompasses an immense area from the Urals, through Kazakhstan, Kyrgyzstan, NW China, Mongolia, southern Siberia, Inner Mongolia and NE China, to the Okhotsk Sea in the Russian Far East. It is one of the largest accretionary orogens on Earth and evolved over 800 Ma from the latest Mesoproterozoic to the early Mesozoic. It is also interpreted as the largest area of voluminous crustal growth in the Phanerozoic (Jahn et al., 2000). In spite of considerable progress in understanding this vast orogen, achieved during the last 20 years, many questions on geological structures, modes of formation and evolution of the CAOB remain under discussion, and tectonic models range from a single, giant arc system to accretion of multiple arc/back-arc systems. Because the CAOB extends from the Pacific to the Urals and crosses many countries, language barriers have made regional correlations difficult.

In view of the discovery of world-class mineral deposits, a wealth of new age and isotopic data, and much improved possibilities for international cooperation, the formation of the CAOB was discussed and compared with that of modern accretionary orogens during a Penrose Conference held in Urumqi, China, in September 2011. Unfortunately, many leading scientists, especially from Russia, could not participate in the Conference, and many aspects of regional geology were not discussed. A wealth of data obtained by Russian, Mongolian and Chinese scientists remain hidden in local publications and are thus inaccessible to the international community. In order to stimulate further international and interdisciplinary collaboration and to discuss major questions of CAOB formation and evolution, as well as new approaches and methods of future research, a workshop on the geodynamic evolution of the CAOB will be held in the Institute of Precambrian Geology and Geochronology, Russian Academy of Sciences, St. Petersburg on 25-27 May 2012. This informal meeting will provide a forum for discussions on what is known about the CAOB, centering specifically on such areas as Siberia, Kazakhstan as well as the Altai and Tianshan and bringing together leading scientists from Russia, Asia, and Western countries.

Main topics of the Workshop:

- Early phases of CAOB formation and evolution;
- Paleotectonic setting of magmatism, metamorphism and sedimentation in space and time;
- Role of within-plate magmatism in the evolution of the CAOB;
- Juvenile crust-formation vs crust-reworking processes in the CAOB;
- Paleomagnetism and paleogeodynamic reconstructions of the CAOB and adjacent cratons.

Invited speakers:

Prof. Vladimir Yarmolyuk

Academician, Institute of Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry, Russian Academy of Sciences, Moscow

Prof. Mikhail Kuzmin

Academician, Institute of Geochemistry, Siberian Branch of Russian Academy of Sciences, Irkutsk

Prof. Kirill Degtyarev

Corresponding member of Russian Academy of Sciences, Geological Institute, Russian Academy of Sciences, Moscow

Important dates:

May 10	Submission of abstracts
May 24	Arrival in St. Petersburg, hotel check-in, registration
May 25	Registration, Opening ceremony; Plenary and Thematic Sessions; in the evening ice-break party
May 26	Thematic Sessions
May 27	Thematic Sessions, General discussion
May 28	Departure

Abstract

Abstracts will be distributed as pdf-files on a CD. Abstracts should not exceed two A4 pages in length, including figures and tables, using a 12-point Times New Roman font, single line spacing and 2.5 cm margins on all sides.

The Registration Fee 80 EUR will cover the abstract CD, booking fee for lodging, tea/coffee breaks and lunch during the workshop, and the ice-break party. The Registration Fee in Roubles will be charged during the registration.

Weather

In late May the weather in St. Petersburg is hardly predictable. During the last three years it was relatively cold (from 10 to 18 °C) and often rainy.

Transportation (see map in attachment)

Participants can reach the Institute of Precambrian Geology and Geochronology in following ways:

- from Nevsky prospect - by bus No 191 and trolleybus No 7 to stop "Birzhevaya ploschad' (Birzhevaya square)"
- from Vasil'evski island – walk on Srednii prospect and Makarova naberezhnaya to Tifliskaya ulitsa
- or use bus Nos. 7, 24 and trolleybus Nos. 1, 10, 11 to stop Universitet (University) and walk to "Birzhevaya ploschad' (Birzhevaya square)" and then to Tifliskaya ulitsa

Please e-mail to v.p.kovach@gmail.com details of your visit

Arrival at St. Petersburg

Flight	Date	Time
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Departure from St. Petersburg

Flight	Date	Time
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Lunch	Yes	No	Ice-break party	Yes	No
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