



SECOND WORKSHOP OF IGCP- 662 PROJECT

“OROGENIC ARCHITECTURE AND CRUSTAL GROWTH FROM ACCRETION TO COLLISION”

SECOND CIRCULAR

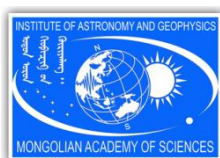
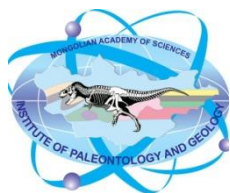
Workshop and Field Excursion “Gobi-Altai accretionary orogen”,
Mongolia



04-10 July, 2019



Dedicated to 80th Anniversary of Mongolian Geological Survey and
60th Anniversary of the Mongolian University of Science & Technology



MINISTRY OF MINING
AND HEAVY INDUSTRY



1. Organizers:

IGCP-Project 662

Mongolian University of Science & Technology

Institute of Paleontology & Geology, MAS

Institute of Astronomy and Geophysics, MAS

Czech Geological Survey

Institute of Geology, Chinese Academy of Geological Sciences

In cooperation with

Ministry of Mining and Heavy Industry

Mineral Resources and Petroleum Authority of Mongolia

National University of Mongolia

The Geological Society of Mongolia and Mongolian Society of Economic Geologists

2. IGCP-662 Project:

The IGCP-662 Project “Orogenic Architecture and Crustal Growth from Accretion to Collision: examples from the Central Asian Orogenic Belt and Tethyan orogen” is a new initiative funded by the International Geosciences Program (2018-2022). Its main objectives are: (1) to characterize differences in crust formation and architecture between accretionary and collisional orogens; (2) to try to establish criteria to (semi) quantitatively describe orogenic development through evaluation of the relative proportions of juvenile vs. reworked crust; and (3) to better understand the role of orogenic composition on metallogensis. The project provides a good platform for researchers on different orogens and in different fields to work together. This project consists of Leader groups (T.Wang, D.Gladkochub, Z.Hou, R.Seltmann, I.Safonova, S.Y.O'Reilly, W.Xiao, C. van Staal), an Advisory Committee and Regional working groups. First IGCP-662 workshop and field excursion were successfully held in China, 2018. See more information in <http://igcp662.org.cn/>.

3. Second Workshop and field excursion:

The second IGCP 662 workshop and field excursion will be held in **Mongolia from 4 to 10 July 2019**. **On 4th July** - Workshop in Ulaanbaatar at the Mongolian University of Science & Technology. From 5 to 8 July - Field trip “Gobi-Altai accretionary orogeny” led by K.Schulmann & P.Hanzl (Czech Geological Survey), O.Javkhlan (Mongolian University of Science & Technology, recently postdoc researcher at the Institute of Mineral Resources, CAGS)

D.Otgonbaatar (Institute of Paleontology and Geology, Mongolian Academy of Sciences) and S.Turbold (Charles University, Prague). During field trip Precambrian basement in Baidrag block, serpentinite and tectonic mélangé with eclogite and white metaschist of the Khantaishir ophiolite, Cambrian magmatic rocks of Ikh Mongol arc, lower Paleozoic oceanic sediments and volcanic rocks, Tsel high grade metamorphic core complex, tectonic slice of Carboniferous flysch along the south boundary of Gobi-Altai zone will be examined. Expected number of participants is 25-30 persons. During excursion, all participants will stay in the Mongolian national ger (yurt) camp. Field camping at Chandmani area will be organized by Institute of Astronomy and Geophysics, MAS. After excursion all participants will drive to Ulaanbaatar by cars with one-day stay in the tourist camp near the Buddhist Monastery Erdene Zuu (in Kharkhorin, ancient capital of Mongolia).



Figure 1. Field excursion locality in Google map.

We will be travelling by car across highway until Bayankhongor city and then will get unpaved road to the camping place. We will take off-road in remote regions for several hours each day for sites. Camping will be in Mongolian ger with 4 persons per one ger. You will need to bring your own sleeping bag (or we can supply). Breakfast, lunch, dinner, snacks and potable water will be provided. The organizer is experienced and knowledgeable about the local area and has organized similar field trips previously.

4. Approximate itinerary

July 3, 2019 Arrival of participants to Ulaanbaatar city

Workshop in Ulaanbaatar: 4th July, 2019

4th July Workshop in Ulaanbaatar at the Mongolian University of Science and Technology, Library Building, Room 604

Invited speaker Prof. K. Schulmann “Paleozoic geodynamic evolution of Mongolian tract of the Central Asian Orogenic Belt”.

Field trip to Gobi-Altai: 5-10 July, 2019

The following is a rough itinerary and may be changed in the field.

5th July Departure for Bayankhongor by car (~645 km). Visit high grade rocks locality in Baydrag. Stay in hotel in Bayankhongor one night.

6th July Departure from Bayankhongor to field camp in Chandmani. Visit Erdene Uul ophiolite locality: serpentinite, gabbro, pillow lava

7-9 July Stay in Field camp in Chandmani

7th July Chandmani: Visit Biger-Tsogt profile: Tsogt high grade metamorphic core complex, Carboniferous flysch along south boundary of Gobi Altai zone, Devonian orthogneiss, deformational structures, slightly metamorphosed lower Paleozoic silicic clastic sediments

8th July Chandmani S-N profile from Tugrug to Zamtyin Nuruu: Tectonic melange with serpentinite, eclogite and white micaschist, oceanic sediments with pillow lava, orthogenesis

9th July Departure from Chandmani to Kharkhorin. Stay in Kharkhorin one night. Visit of Kharkhorin Monastery.

10th July Departure from Kharkhorin to Ulaanbaatar (360 km)

11th July Departure from Ulaanbaatar (It is a first day of **NAADAM** festival which will continue to 14th, July and you can manage your time freely by yourself)

5. Important dates (2019)

01 March Registration and submission of abstracts open

01 May Deadline for submission registration form

31 May Deadline for abstract submission

3 July Arrival to Ulaanbaatar

4 July Workshop in Ulaanbaatar, Mongolian University of Science & Technology

5 July Trip by cars to Gobi-Altai province

6. Abstract submission

The abstract body should be less than 2 pages, written in English with correct spelling and good sentence structure. Abstracts can be compiled as a Word file and are required to use the Word template that can be easily downloaded. Abstracts should be carefully compiled and thoroughly checked, in particular regarding the list of authors, before submission in order to avoid last-minute changes. Please follow the Abstract template.

Abstract template

Title (Times New Roman Font, 14pt, bold)

Author¹, Co-author² (Times New Roman, 12pt)

¹*affiliations, email address (Times New Roman, italic, 10pt)*

²*affiliations, address*

All the text, figures and diagrams should be printed less than four A4 papers. Please use Times New Roman Font (12pt, 1.5 line spacing) and set the margins to 3 cm from each side. References should be written as 10pt, Times New Roman.

Kröner, A., Lehmann, J., Schulmann, K., Demoux, A., Lexa, O., Tomurhuu, D., Štípská, P., Liu, D. & Wingate, M.T.D., 2010. Lithostratigraphic and geochronological constraints on the evolution of the Central Asian Orogenic Belt in SW Mongolia: Early Paleozoic rifting followed by late Paleozoic accretion. *American Journal of Science*, 310, 523-574.

7. Registration fees:

800 US\$ (workshop and field trip)

150 US\$ (only workshop)

8. Organizing Committee:

Mongolian University of Science & Technology

Prof. O. Gerel
Dr. B. Munkhtsengel
Dr. B. Batkhishig
Dr. O. Javkhlan
A. Chimedtseren
Dr. B. Uyanga
Dr. B. Altanzul
Yo. Majigsuren

Institute of Paleontology & Geology, MAS

Acad. O. Tomurtogoo
Dr. D. Odgerel
Dr. Ts. Narantsetseg
D. Otgonbaatar
O. Enkh-Orshikh

Institute of Astronomy & Geophysics, MAS

Acad. S. Demberel

Czech Geological Survey, Prague

Prof. K. Schulmann,
member of Advisory
Committee
Dr. P. Hanzl
S. Turbold, Charles
University, Prague

**Ministry of Mining and
Heavy Industry**

Dr. D. Altankhuyag

**Mineral Resource and
Petroleum Authority of
Mongolia (MRPAM)**

A.Tamiraa

**State University of
Mongolia**

Dr. Ts.Baatarchuluun

**Geological
Information Center**

N. Munkhbileg

IGCP 662 Secretary

Prof. Ying TONG

yingtong@cags.ac.cn

Prof. Hongrui ZHANG

Dr. He HUANG

Dr. Lei GUO

9. Flights and Visas

All participants need to book their own flights to and from Ulaanbaatar (Airport Code: ULN). Ulaanbaatar is serviced by direct flights from Tokyo, Osaka, Beijing, Hong Kong, Shanghai, Seoul, Singapore, Berlin, Moscow, Irkutsk and Ulan Ude. You will arrive at the Chinggis Khan International Airport (~15 km SW of downtown Ulaanbaatar).

Please arrive to Ulaanbaatar at latest by 3 July, and email your ticket itinerary to B.Munkhtsengel (e-mail: tsengel@must.edu.mn). July is high tourist season and Naadam Festival is from 11-14th July, so we recommend to **book air tickets and hotel as early as possible**.

Arranged taxi driver(s) will meet you at the Arrivals section of the airport on 3 July holding appear with your name (it is about 45 minutes' drive from the airport to downtown). Please take the designated taxi. In UB City, hotel staffs typically speak good English.

For visa information, please visit the following website:

<http://consul.mn/eng/>

The organizing committee will be happy to assist you in any visa-related requests.

10. Accommodation

You can choose and book hotels by yourself. We recommend hotels Ulaanbaatar, Puma, Zaluuchuud and other hotels close to Conference place, Mongolian University of Science and Technology. For hotel information and booking please contact to Enkh-Orshikh (e-mail: enkhorshikh_igmr@gmail.com)

11. Insurance

Please ensure you have suitable insurance coverage (it should also include search and rescue) from your organization.

13. Weather and climate

July is mid-summer, the weather is sunny and sometimes rain comes. In Gobi-Altai average day temperature is 20-22°C, night temperature is 15-18°C. In July 11-15, the National Naadam festival is held all over Mongolia.

July is the most pleasant time of year to visit! Temperatures can drop to below freezing, but can also rise to 18°C during the day. Wind storms are uncommon but do occur, and light rain is also possible. There are few trees, no shade, and little to stop the ever-present wind in Gobi-Altai. Bring a scarf, bandana, windbreaker, hat that covers your neck, sunscreen and lip balm.

14. Clothing & Equipment

Essential personal kit:

3- or 4-season sleeping bag

Sleeping pad

Sun lotion and lip balm

Hat / Bandana

Sunglasses

Lightweight hiking trousers

Windproof/waterproof jacket (it may rain)

1 warm layer (it could get down to freezing, but unlikely to get below 5 – 10°C)

Sturdy hiking boots

Long underwear

Head torch (for tents at night)

Camera, GPS, compass, hand-lens and other geological equipment

Water bottle / thermos

Daypack

Personal medication / anti-bacteria wipes

Hammer

Sacks/bags for collected rock samples

Other kit that might be nice to have:

Sandals / camp shoes (although snakes/prickly bushes around, you may just wear boots in camp)

Mess tin / knife (cutlery will be provided)

Mosquito repellent

Moisturizing cream

Camping pillow

Contact information:

Prof. Ochir Gerel

Geoscience Center, MUST

E-mail: gerel@must.edu.mn

Tel: 976-99121226

For any information

Workshop secretaries:

Dr. Ts. Narantsetseg (ts_narangeo@yahoo.com)
Regional Working Group
Institute of Paleontology & Geology

Dr. Associate Prof. B.Munkhsengel (tsengel@must.edu.mn)
Department of Geology and Hydrogeology,
School of Geology and Mining Engineering,
Mongolian University of Science & Technology

SECOND CIRCULAR
SECOND IGCP- 662 WORKSHOP AND
FIELD TRIP IN MONGOLIA

**July 4 – 10th, 2019, Ulaanbaatar and Gobi-Altai province,
SW Mongolia**

Registration Form

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

First page of your valid passport

Copy of the Passport

Current occupation	
Employer and employer's address	
Home address and Telephone numbers (mobile too)	
Dates of your stay in Mongolia (arrival and departure)	
Country and city where you will apply for Mongolian visa	