



**International Geoscience Programme (IGCP)
Project 596
Climate change and biodiversity patterns
in the Mid-Paleozoic (Early Devonian to Early Carboniferous)**

**Project 580
Application of Magnetic Susceptibility
on Palaeozoic Sedimentary Rocks**



***IGCP 596 & IGCP 580
Joint Meeting and Field-Workshop***

***International Symposium in Mongolia
Ulaanbaatar, Mongolia; 5-18 August 2014***

1st Circular

Venue

IGCP 596 (duration: 2011-2015) focuses on Mid-Paleozoic climate and biodiversity. The Mid-Paleozoic was a time of dynamic long-term climate change accompanied by significant changes in biodiversity. The preliminary goal of this project is to increase the record of biodiversity and clarify links between specific biodiversity patterns and climate. In order to reach the goal, we would like to enhance the discussion within the project with multidisciplinary approaches such as geochemistry and geophysics as well as paleoclimate modeling. Therefore the *International Symposium* in Mongolia will take place jointly with the IGCP 580 (Application of Magnetic Susceptibility on Palaeozoic Sedimentary Rocks).

The general programme of the *International Symposium* has two parts; *Scientific Meeting* in Ulaanbaatar (5-7 August) and the *Field-Workshop* in the western Mongolia (8-18 August). On behalf of the IGCP 596 & IGCP 580 leaders and the on-site organizing committee, we are looking forward to see many of you in Ulaanbaatar!

On-site Organization Team

Johnny A. Waters - Appalachian State University(USA)
Ariunchimeg Yarinpil - Palaeontological Centre, Mongolian Academy of Sciences (Mongolia)
Sersmaa Gonchigdorj - Mongolian University of Science and Technology(Mongolia)
Anne-Christine da Silva - University of Liège (Belgium)
Michael Whalen - University of Alaska Fairbanks (USA)
Erika Kido - University of Graz (Austria)
Thomas J. Suttner - University of Graz (Austria)
Peter Königshof - Senckenberg Forschungsinstitut und Naturmuseum (Germany)

Information of the Symposium

Web (IGCP 596): http://www.senckenberg.de/root/index.php?page_id=14702

Web (IGCP 580): <http://www2.ulg.ac.be/geolsed/MS/>

For any questions please contact with the main organizers. Contact persons: **Johnny A. Waters** (watersja@appstate.edu) and **Erika Kido** (erika.kido@uni-graz.at).

Deadlines

Pre-registration: **31st December 2013**

Registration and payment: **31st March 2014**

Abstract submission: **31st March 2014**

General Program

4 August. Registration and Ice-breaker in the evening.

5-6 August. Scientific Sessions & IGCP 596 Business meeting at the Mongolian University of Science and Technology (MUST)

7 August. Social day & Conference Dinner

8-18 August. Field-Workshop in western Mongolia (departing from and returning to Ulaanbaatar)

Conference Fees & Payment Details

Regular Fee: 170 USD

Students Fee: 120 USD

Accompanying person Fee: 120 USD

Approximate costs for Field-Workshop (including local airfare): 1.500 USD

More detailed information about fees for the social day and the conference dinner as well as the payment mode will be provided in the 2nd Circular.

Accommodation

A list of hotels close to the conference place (Mongolian University of Science and Technology) will be provided in the 2nd Circular. Participants should contact hotels directly and make their own reservations.

Visa Application

Participants who require a support letter for visa application, please directly contact Ariunchimeg Yarinpil (ariunchimeg@mail.ru).

Financial Support

Students and participants from developing countries who are in need of financial support to attend the meeting are encouraged to contact the conference organizers. We will support as many colleagues as possible based on IGCP funding we receive for 2014.

Abstract submission

Abstracts are limited to a maximum length of 2 pages (including figures or tables). Please submit your abstract-text as word-doc or .docx file using conventions below. Figures and tables shall be sent as jpg file, 300dpi, either grey-scale or colour (08bit or 24bit). Maximum figure-size: 160x230mm. Please send your abstract to **Johnny A. Waters** (watersja@appstate.edu) and Cc to **Erika Kido** (erika.kido@uni-graz.at). **SUBMISSION DEADLINE: 31st March 2014.** Please consider that abstracts will be included in the volume only after payment.

Echinoderm Community Evolution in the Devonian and Mississippian (Arial, 12pt, bold)

WATERS, J.A.¹ & DE REUIL, A.A.¹ (Arial, 10pt)

(1) Department of Geology, Appalachian State University, Boone, NC 28608, USA;
watersja@appstate.edu (Arial, 9pt)

Crinoids and blastoids reached their zenith in generic richness and abundance during the Mississippian, leading many paleontologists to refer to the interval as the "Age of Crinoids" (KAMMER & AUSICH, 2006). Crinoids and blastoids were (Arial, 10pt)

References (Arial, 9pt, bold)

KAMMER, T.W. & AUSICH, W.I. (2006): The "Age of Crinoids": A Mississippian biodiversity spike coincident with widespread carbonate ramps. *Palaios*, 21: 238-248. (Arial, 9pt)

Oral and Poster Presentation

If you intend to give an oral presentation (scheduled with 20 min) please prepare your contribution on CD-Rom or USB-stick. Poster format: A0, portrait.

Field-Workshop in western Mongolia

During the second half of the Symposium a Field Workshop is planned to the *Middle to Late Devonian deposits of the Baruunhuurai Terrane in the western Mongolia* (the trip is limited to max. 15 participants). The Devonian units of the Baruunhuurai Terrane are characterized by volcanoclastic rocks with intercalated fossil-rich marl to limestone lenses. These units were deposited on an island arc complex of the same tectonic terrane as similar Devonian units in the western and eastern Junggar in northwestern China.



Upper pics: Landscape of western Mongolia. The Late Devonian Samnuuruul Formation of the Baruunhuurai Terrane (middle and right). Lower pics: Fossils observed in the Samnuuruul Formation.

During the Field Workshop, participants will work together in the section sampling the sequence for multidisciplinary studies (taxonomy of fossils, geochemistry and geophysics, tectonics). The participants who consider joining the Field Workshop will be provided detailed geological information of the study area and section including a working plan. In order to have a well-organized team please do not hesitate to contact organizers at any time you have questions.

Please note that the field localities will be in the desert, far away from any village or medical care centres. As there are no accommodation in the field area, **participants should bring their own camping tents and sleeping bags**. Temperatures are variable with hot days and cool evenings. The technical field staff will be organized by Mongolian colleagues and they will help participants during the workshop (e.g., driving, cooking, first aid treatment, etc.). For the participants who are vegetarian, options for food can be accommodated. More detailed information of the Field Workshop will be provided in the second circular!

Schedule for the Field-Workshop

- 8 August. Fly from Ulaanbaatar to Khovd
- 9 August. Drive to the field area
- 10-15 August. Working days
- 16 August. Return to Khovd; Camping overnight
- 17 August. Stay in Khovd
- 18 August. Fly from Khovd to Ulaanbaatar

The city of Ulaanbaatar - and how to get to the Hotel and the Meeting place

Ulaanbaatar can be reached via the International Airport (Chinggis Khaan International Airport). The Airport is located ca. 18 km southwest from the capital of the city. The Scientific Meeting will be held in the MUST (conference room) at the Mongolian University of Science and Technology. During the Social Day, a visit at the University Museum followed by a city tour is planned.



Upper pics: Mongolian University of Science and Technology (left) and the Mineral Museum in University (right). Lower pics: City center of Ulaanbaatar, Sukhbaatar Square.

Weather Information

The weather in Ulaanbaatar is mild during August; temperatures range between min. 7 to max. 23 degrees. Average rainfall days for Ulaanbaatar counts about 12 days.