



**Dayangcha International Workshop  
on the Cambrian-Ordovician boundary (DIWCOB)  
(September 20- 25, 2017 Changchun NE China)**

**First Circular**

Rationale

In the past 16 years, there have been tremendous advances in understanding of the Cambrian-Ordovician boundary on the basis of the study of the GSSP fixed at Green Point, Newfoundland in 2001. New discoveries and knowledge of fossils (conodonts, graptolites, trilobites etc.), radiometric dates and chemo-stratigraphic data have been published at an unprecedented pace. In the meantime, because each research group has been working more or less independently, there have been numerous discrepancies and inconsistencies with regard to important biomarkers of the Cambrian-Ordovician boundary and its relation to chemostratigraphic excursions, and sequence stratigraphic surfaces. This workshop is motivated by the need to resolve these discrepancies and to discuss the feasibility of re-defining a set of criteria for subdivision and correlation of the Cambrian-Ordovician boundary, in China and beyond.

The workshop, supported by NSFC and Ministry of Science and Technology of China (NCSC), will be organized by National Commission on Stratigraphy of China (NCSC), Jilin Provincial Bureau of Land and Resources (JPBLR) and Wuhan Center for Geological Survey (WCGS) (Institute of Geology and Mineral Resources (WIGMR) and hosted by the Research Center of Paleontology and Stratigraphy (RCPS) of Jilin University together with Baishan City Bureau (BCBLR) and Jiangyuan District Bureau of Land and Resources (JDBLR). It will be held from 20-25 September, 2017 at Jilin University, Changchun, NE China. A full two-day in-door meeting will cover all aspects of research on the Cambrian-Ordovician boundary, and the following field excursion of three days will travel to Jiangyuan area of Baishan City to examine the Dayangcha section (potential GSSP for the Cambrian-Ordovician boundary) and another relevant sections nearby, where participants can discuss and identify critical problems that need to be resolved and evaluate possible criteria for subdivision and

correlation of the Cambrian-Ordovician boundary. It is hoped that our efforts will better coordinate the development of tools and criteria for study of global Cambrian-Ordovician boundary sections.

### **Organizing and Scientific Committee**

Professor Stanley C. Finney, Department of Geological Sciences  
California State University - Long Beach, USA

Professor David A.T. Harper, Department of Earth Sciences and Principal, Van  
Mildert College, Durham University, Durham UK

Professor Shanchi Peng, Nanjing Institute for Geology and Palaeontology,  
Nanjing, China

Professor Zejiu Wang, NCSC, Beijing, China

Professor Gabriella Bagnoli, University of Pisa, Italy

Professor Huazhou Yao, WCGS, Wuhan, China

Professor Chunlin Sun, RCPS, Jilin University, Changchun, China

### ***Additional field trip leaders***

Professor Svend Stouge, University of Copenhagen, Denmark

Professor Jörg Maletz, Free University, Germany

Professor Xiaofeng Wang, WCGS, Wuhan, China

Professor Chuanshan Wang, WCGS, China

Dr. Chunpo Yan, WCGS, Wuhan, China

Miss Wei Sun, RCPS, Jilin University, Changchun, China

### **Host city**

Changchun, Capital of Jilin province, located on northeastern China is known as the spring city of the Northland, internationalized metropolis in Northeast Asia, China's biggest automobile industrial city and international films city.

The Organizing Committee would like to invite all researchers with an interest in the stratigraphy, sedimentology, geochemistry and palaeobiology around the Cambrian-Ordovician boundary to participate in the Dayangcha International Workshop on the Cambrian-Ordovician boundary.

A full two--day conference program will cover all aspects of the Cambrian-Ordovician boundary geobiology, and will include sightseeing to visit the puppet emperor's Palace inside Changchun.

### **Venue**

Topical sessions will be held at the Jilin University

### **Travel and accommodation**

Changchun is well connected by air and by high speed train to Beijing, Shanghai, Guangzhou, Hong Kong and other provincial capital cities of China. The Organizers will arrange for students to meet you in Changchun airport or railway station if participants inform us in advance of your exact arrival date and time.



Geological palace of Jilin University



The last emperor's Palace

## **Symposium Schedule and Topics**

### **I、Registration**

September 20 (exact location to be advised in Second Circular)

## **II、 Indoor Meeting : September 21- 22**

### **1. Report and discussion topics suggested**

The meeting schedule will ensure that each participant has 15-20 minutes reporting time followed by 5 minutes discussion. We hope that each participant will be able to report at the meeting on progress and problems in your research on the above topic, or in a related field (latest Cambrian and Early Ordovician) that you have studied in recent years. Specific reporting time will be informed when receive your receipt.

2. September 22 afternoon: Sightseeing - visiting the last emperor's Palace or other places

## **III、 Field Workshop (September 23-25)**

(Schedule subject to change as required)

Sep. 23: Travel to Jiangyuan County of Baishan City

Sep. 24 morning: Field work in the Dayangcha section, to examine the litho-, bio-, chemo- and sequence-stratigraphic succession, including the boundary level with characteristic conodonts and graptolites described in the field guidebook.

Sep. 24 afternoon: Field work in the Erdoupuzi area to examine the beds bearing graptolites of *Psigraptus* biozone, and visit to quarry focusing on lithological features of Early Tremadocian, bearing conodonts, graptolite and trilobites etc.

Sep. 25: Field work to Changbaishan to examine the Cambrian-Ordovician boundary on the way to the largest Crater Lake in China--- the famous Changbaishan Tianchi (in the Changbai mountain volcanic cone on top of the main peak), recognized by the Guinness Book of Records as the World's highest Volcano Lake. You will see peaks everywhere around the Lake, and a clear green pond that is the source of Songhua River, Tumen River and Yalu River and then travel back to Changchun in the evening.

## **Registration and abstract submission**

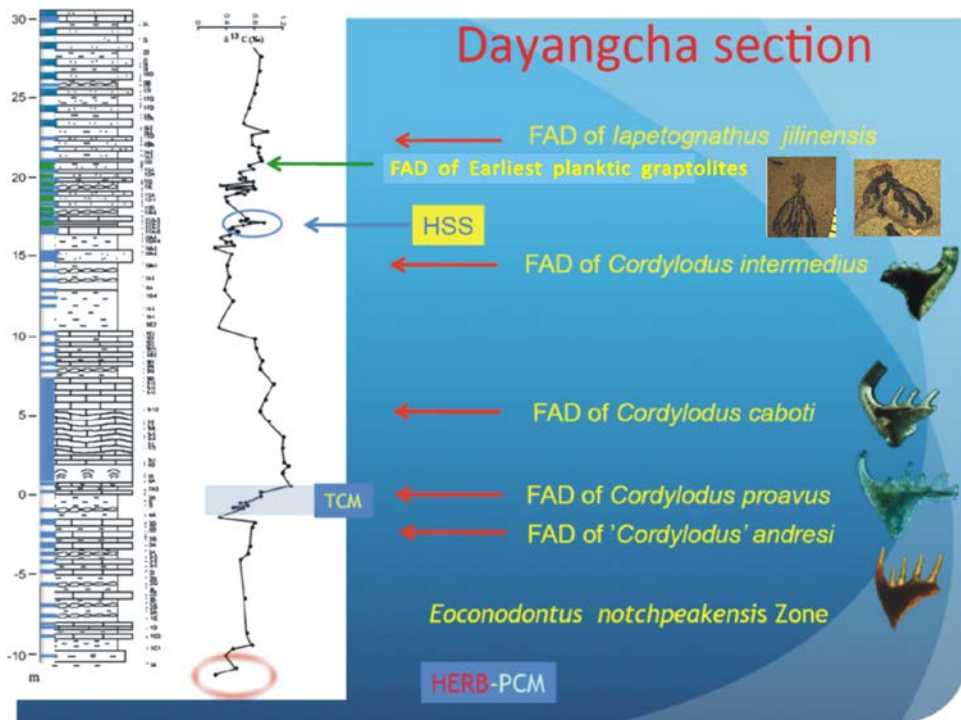
Registration and abstract submission will open on January 10, 2017. Please fill out the attached expression of interest form and email it to Miss Zhang Miao at 171581744@qq.com or Prof. Wang Xiaofeng (ycwangxiaofeng@ 163.com)

All participants will be invited to submit abstract(s) for posters and oral presentations from January 10, 2017 onwards. Authors are responsible for the scientific content of their abstracts.

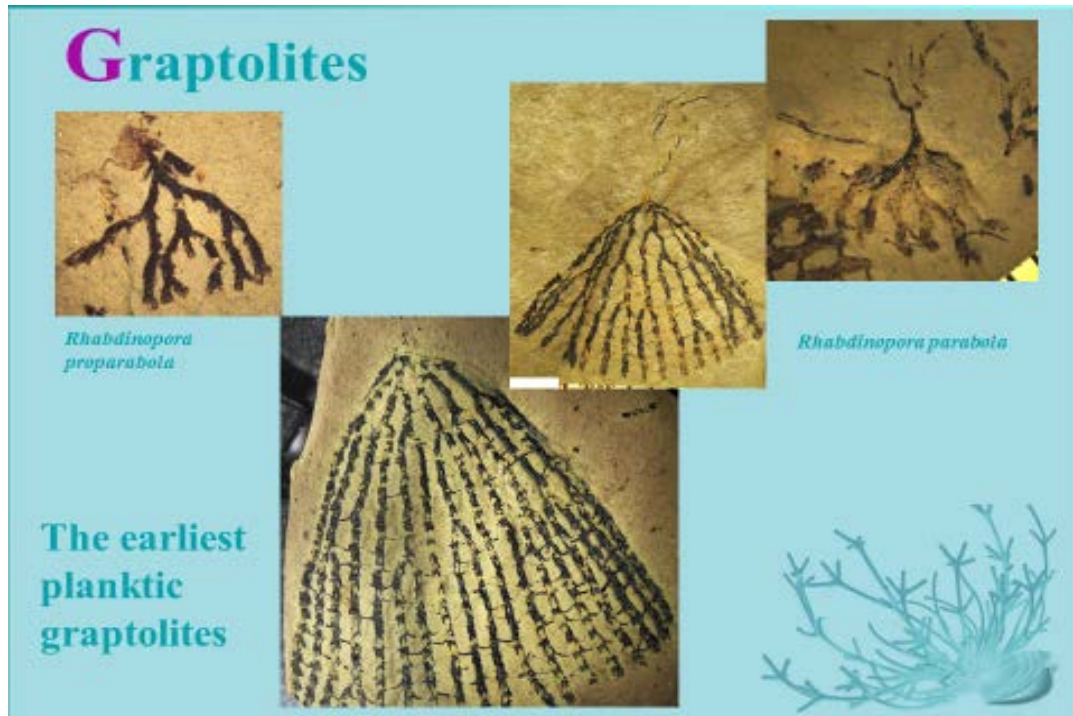
The deadline for registration and abstract submission will be 31 May, 2017.



Dayangcha section



Showing complete conodont succession and its relation with  $\delta^{13}\text{C}$  excursions



The earliest planktic graptolites recorded from the Dayancha section



Tianchi in Changbai Mountains, located in the southeast of Jilin Province, is a lake in China and North Korea. Water up to 2150 m above sea level, is known as "the sky pond"



Geologists (Maletz J., Stouge S., Wang Xiaofeng, Tang Zhihua and Wang Chuanshan working around Tianchi, the largest Crater Lake in China

## Registration fee

Registration will be about Chinese Yuan 4000 or USD 600 per person for 5 days (each day for USD 120). Final rates will be provided in a subsequent circular, and are anticipated, but cannot be guaranteed, to be less than the preliminary estimates given here.

Workshop fees will cover the participant's costs of accommodation, attending the conference and field trips, entitling them to attend the welcome reception, conference sessions, morning and afternoon refreshments, conference dinner, abstract submission, and related field trip and conference information.

Student and early bird rates will be offered. We anticipate being able to offer a limited number of financial assistance packages to student attendees dependent upon availability of funds. If you are interested in applying for one of these, please complete the form below and return it to Miss Zhang Miao (email: [171581744@qq.com](mailto:171581744@qq.com)) or Prof. Wang Xiaofeng ([ycwangxiaofeng@163.com](mailto:ycwangxiaofeng@163.com))

Accompanying delegates will get half-price discount for the registration fee.

## **Provisional program**

An Icebreaker Reception will be held on the evening of 20<sup>th</sup> September 2017.

The Symposium will take place on 21<sup>st</sup> and 22<sup>nd</sup> September 2017.

Themed symposia will focus on the Cambrian-Ordovician boundary and Ordovician palaeontology, stratigraphy and geochemistry. Further specific themes will be announced based on responses to this First Circular.

Presentations on current research will be in the form of 15-20 minute talks, and poster displays. Talks and posters are to be presented in English.

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Expression of interest form**

\*Title \_\_\_\_\_

\*First name \_\_\_\_\_

\*Surname \_\_\_\_\_

\*Institution \_\_\_\_\_

Contact postal address (including country)

\_\_\_\_\_  
\_\_\_\_\_

Contact e-mail address \_\_\_\_\_

I am [if applicable]

A full-time student (please provide your institution and name of supervisor)

\_\_\_\_\_

I will be bringing a partner or accompanying delegate or delegates

Name(s) : \_\_\_\_\_

I anticipate contributing a talk/poster [please indicate which] with the provisional title/topic:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please return completed form to Miss Zhang Miao (email: 171581744@qq.com ) or Prof. Wang Xiaofeng ([ycwangxiaofeng@163.com](mailto:ycwangxiaofeng@163.com))

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**Financial Assistance Form**

1. Applicant's Name: \_

2. Nationality: \_

3. Institution and E-mail Address: \_

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4. Are you a PhD student [  ] or a post-doctoral fellow [  ]?

If so, please indicate your advisor: \_

And ask your advisor to provide a support letter to be emailed to Miss Zhang Miao (email: 171581744@qq.com ) or Prof. Wang Xiaofeng ([ycwangxiaofeng@163.com](mailto:ycwangxiaofeng@163.com))

before April 1<sup>st</sup> 2017

5. Are you planning to give an oral presentation at the meeting?

Yes [  ] No [  ]

6. Please briefly describe your financial needs to participate in this meeting and the relevance of this meeting to your research:

7. Signature/date: \_\_\_\_\_

Please return this form before April 1<sup>st</sup> 2017 to Miss Zhang Miao at 171581744@qq.com or Prof. Wang Xiaofeng ([ycwangxiaofeng@163.com](mailto:ycwangxiaofeng@163.com))