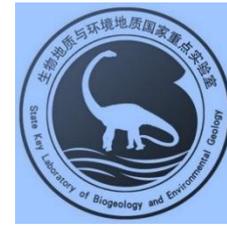
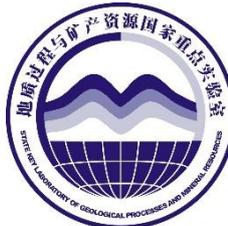
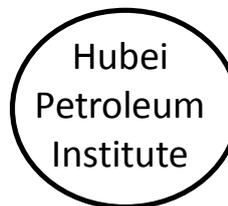


China University of Geosciences (Wuhan), China
Wednesday June 22nd to Saturday June 25th, 2016

The Eighth International Geofluids Conference (2016 Geofluids VIII)

June 22-27, 2016 @ Wuhan

Second Circular



Faculty of Earth Resources, China University of Geosciences (Wuhan)

<http://www.geofluids2016.org/>

GEOFLUIDS VIII



China University of Geosciences (Wuhan), China
Wednesday June 22nd to Saturday June 25th, 2016

Introduction

The Geofluids conference has become an established showcase for leading-edge academic and applied research in fluid migration, evolution and interaction in sedimentary basins and orogenic belts since it was firstly organized in 1993. The themes of this conference will have a particular focus on fluids in the sedimentary basins ranging from theoretical studies to applied research relating to the exploration and development of oil and gas resources. The past seven Geofluids conferences (UK, 1993; Northern Ireland, 1997; Spain, 2000; the Netherlands, 2003; Canada, 2006; Australia, 2009; France, 2012) had provided good interaction between the academic and industry and excellent exchange among different disciplines. We have also seen the development of exciting new analytical and modeling techniques for understanding fluid flow and mass transfer in geological media at a variety of scales. The upcoming conference, Geofluids VIII will continue the tradition. The conference will be held in the beautiful central China city of Wuhan on the Yangtze River, where 45 universities are located. Scholars interesting in Geofluids science are warmly welcome.

General Information

Meeting: June 23rd-25th, 2016
(Registration at June 22nd afternoon)

Post-conference field excursion:
June 25th-27th, 2016

Location: Yingbin Hotel, Wuhan, China

Organizer: Faculty of Earth Resources, China University of Geosciences (Wuhan); Anyone who is willing to help organizing the Geofluids VIII, please contact: geofluids2016@cug.edu.cn

Conference Language: The official language of the conference will be English.

Scale: We are expecting 100-150 participants including ~50 foreigners.

Scientific Program and Themes

The conference will consist of a two and half-day meeting with both oral and poster presentations each day. Our intention is to keep the thematic scope of Geofluids open and flexible.

The main topics of the conference include:

- Hydrocarbon systems: generation, migration and entrapment of the hydrocarbons
- Mineralized fluid systems, hydrothermal processes and ore genesis
- Groundwater systems and their interaction
- Crustal and mantle fluids in geotectonic processes
- New developments in numerical modeling
- Experimental geochemistry and its modeling
- Analytical methods in geofluids research

Scientific committee

Prof. Fang Hao, China University of Geosciences (Wuhan), China

Prof. Ihsan Al Aasm, University of Windsor, Canada

Prof. Simon C. George, Macquarie University, Australia

Prof. Robert H. Goldstein, University of Kansas, US

Prof. Ralph Littke, RTWH Aachen, Germany

Prof. Keyu Liu, Curtin University of Technology, Australia

Prof. Fadi Nader, IFP Energies nouvelles, France

Prof. Jacques Pironon, Université de Lorraine, France

Prof. Rudy Swennen, Katholieke Universiteit of Leuven, Belgium

Prof. Hanneke Verweij, TNO, Netherlands

Prof. Richard Worden, University of Liverpool, United Kingdom

Prof. Bruce Yardley, University of Leeds, United Kingdom

GEOFLUIDS VIII



China University of Geosciences (Wuhan), China
Wednesday June 22nd to Saturday June 25th, 2016

Organizing committee

Prof. Xinong Xie, China University of Geosciences (Wuhan), China
Prof. Youbin He, Yangtze University, China
Prof. Yupeng Yao, National Natural Science Foundation of China
Prof. Changsong Lin, China University of Geosciences at Beijing, China
Prof. Xiaorong Luo, Institute of Geology and Geophysics, CAS, China
Prof. Wenxuan Hu, Nanjing University, China
Prof. Ningning Zhong, China University of Petroleum, China

Program

Wednesday June 22nd, 2016

2:00 pm to 5:00 pm: Conference on-site registration in the Conference Center of China University of Geosciences (Wuhan)

Thursday June 23rd, 2016

9:00 am to 6:00 pm: Conference program, Oral and poster sessions

Evening: Conference Reception in the Conference Center of China University of Geosciences (Wuhan)

Friday June 24th, 2016

9:00 am to 6:00 pm: Conference program, Oral and poster sessions

Saturday June 25th, 2016

9:00 am to 12:00 am: Conference program, Oral and poster sessions

3:00 pm: Departure for post-conference field trips to the Three Gorges, Yichang on the Yangzi River

June 25-27th, 2016

Post-conference field excursion

Important Dates

December 20th, 2015: Abstract submission deadline

March 30th, 2016: Notification of abstract acceptance and presentation mode

April 30th, 2016: Early-bird registration deadline

After May 30th, 2016: Regular registration deadline

June 22nd, 2016: On-site Registration

June 23-25th, 2016: Workshop and Forum

June 25-27th, 2016: Post-conference field excursion

Registration

Registration fee:

- US\$300.00 Early-bird registration before April 30th, 2016

- US\$350.00 Regular registration after April 30th, 2016

- US\$200.00 for student early registration before April 30th, 2016

(The above includes admission to all oral and poster sessions, lunch/coffee breaks, abstract volume, conference reception and dinner)

Accompanying persons:

- US\$100 each

Post-meeting field trip fee:

- US\$200.00 (Duration: 3 days. Departure: 3:00 pm, 25th June. Return: 5:00 pm, 27th June)

Accommodation

The conference organizers will help with accommodation booking. We have selected a range of options from luxury (3 star or above) to budget but comfortable hotels and motels

Accommodation costs are estimated around:

- US\$100/day or less

Contact

Geofluids / Chairperson of organizing committee:

Prof. XinongXie

Faculty of Earth Resources

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Fax: +86 (0)27 67883051

Email: geofluids2016@cug.edu.cn

Website: www.geofluids2016.org



China University of Geosciences (Wuhan), China
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Keynote Speakers

An exciting line up of well-respected speakers shall be presenting at the Geofluids VIII Conference. We are delighted to offer 8 keynote presentations, all related to the main themes of the conference.

Prof. Dr. Hanneke Verweij: TNO Petroleum Geosciences, the Netherlands
'Integrated approach to assess gas seepage systems'

Prof. Dr. Simon C. George: Department of Earth and Planetary Sciences, Macquarie University, Australia
'Oil-bearing fluid inclusions and solid bitumens as biogeochemical repositories of information about the Archean biosphere'

Prof. Dr. Ihsan Al-Aasm: Department of Earth and Environmental Sciences, University of Windsor, Canada
'Paleofluid flow, fracturing and hydrothermal dolomitization: examples from foreland vs. cratonic tectonic settings'

Prof. Dr. Jacques Pironon: CNRS-GeoRessources lab, Université de Lorraine, France
'Petroleum system: the place for oil-water interactions'

Prof. Dr. Fadi Henri Nader: Geosciences Division, IFP Energies nouvelles, France
'Simplified geochemical simulations of fluid-rock interactions in carbonate rocks: implications for quantitative diagenesis and reservoir properties'

Prof. Dr. Yanhua Zhang: CSIRO Mineral Resources, Australia
'Numerical modelling of interactions between fluid flow, mechanical, thermal and chemical processes in mineral systems and application to mineral exploration'

Prof. Dr. Keyu Liu: School of Geosciences, China University of Petroleum, China
'Cautions in interpreting petroleum charge events using oil inclusion colours'

Prof. Dr. Jianwen Yang: Department of Earth & Environmental Sciences, University of Windsor, Canada
'Numerical Reactive Flow Modeling: Implications for the Formation of Unconformity-related Uranium Deposits in Sedimentary Basins'

Post-conference field excursion

3 days: June 25th-27th, 2016, departure at 3:00 pm on 25th June from CUG; Return at 5:00 pm on 27th June.

The field trip offers an opportunity to investigate the outcropped records of geofluid activities in the Dengying Formation (551~542 Ma) in the Yangtze Craton, South China and to visit the Three Gorges Dam on the Yangtze River. See specific description in the annex.

Capacity: Maximum 40 people (in accordance with the registration order)

Fee: US\$200.00

Field Leader: Prof. Dr. Hontao Zhu

Field Assistants: Dr. Jiaguang Li and Hui Chen

Route: Wuhan-Yichang-Zigui-Wuhan

Food: Hotels will provide breakfast and dinner. We will prepare simple lunch for everyone in the field.

Transportation: The field trip will be carried out using 1~2 minibus. The roads to outcrops are good in quality.

Lodging: Throughout the trip participants will stay in moderately priced but comfortable hotels with internet connections.

Field Schedule:

Saturday June 25th, 2016

3:00 pm: Drive from Wuhan to Zigui (~4.5 hours away).

Evening: Get an accommodation in the hotel in Zigui County.

Sunday June 26th, 2016

9:00 am to 5:00 pm: Drive from Zigui to the Huajipo Section and visit the outcropped records of geofluid activities in the Dengying Formation.

Evening: Drive back to the hotel in Zigui County.

Monday June 27th, 2016

8:30 am to 3:00 pm: Visit the Three Gorges Dam.

5:00 pm: Departure from Zigui and back to Wuhan.

Detailed field guidebook is available upon the departure of the trip.



China University of Geosciences (Wuhan), China
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2016 Geofluids VIII Conference: Field Trip Programme

1. Introduction

The field trip section, named as the Huajipo Section, is located about 8 km to the southeast of Zigui County, Hubei Province (Fig. 1). The Nanhuaian (Cryogenian) and Sinian (Ediacaran) successions outcropped in this section (Fig. 2), resting on the pre-Nanhuaian (Cryogenian) metamorphic basement (~1865 Ma) in the Yangtze Craton.

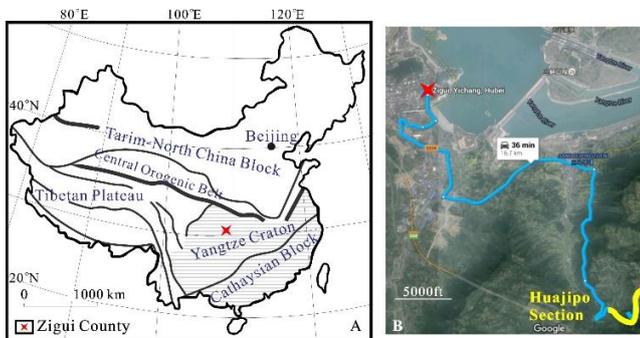


Fig. 1. Locations of Zigui County and the Huajipo Section

2. Stratigraphy

Along the Huajipo Section, we will see (1) Marinoan-age glacial deposition within the Nantuo Formation, (2) dolomite and silicious mudstone/black shale within the Doushantuo Formation, and (3) dolomite and silicious carbonate within the Dengying Formation (Fig. 2).

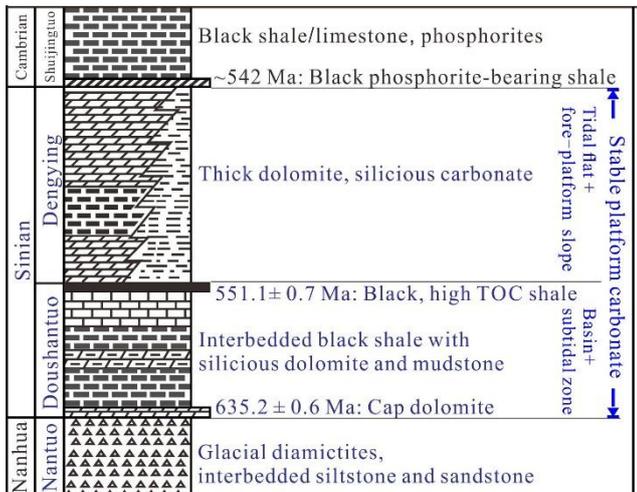


Fig. 2. Stratigraphic column of outcrops in this programme

3. Records of geofluid activities in the Dengying Formation

The Huajipo Section contains abundant brecciate clasts, peloids, silica tuberculosis, stromatactis, barite crystal fans, sheet cracks, cements as well as tepee- and tube-like structures.

E.g., the tepee- and tube-like structures in the Dengying Formation indicate geofluid activities (Fig. 3).

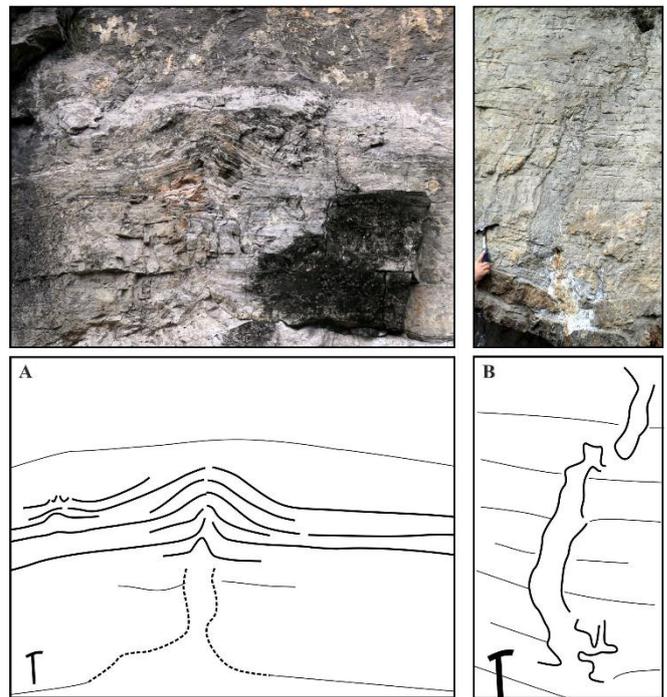


Fig.3. Tepee- and tube-like structures in the Dengying Formation

4. Humanistic scenic spot during the field trip—The Three Gorges Tourism

The Three Gorges Dam is the largest hydropower station over the world. Its annual power generation capacity reaches 100 billion degrees.

Standing on the “185 platform”, specifically, we will experience the height of the Dam and watch ships passing through the ship elevator.

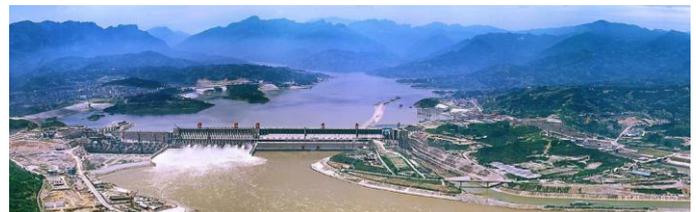


Fig.4. Overview of the Three Gorges Dam