

2016 ANNUAL REPORT

CHINA NATIONAL COMMITTEE FOR IGCP

Part One: Chairperson, Vice Chairpersons and Secretary General of the Committee

Chairman:

Prof. Hou Zengqian
Institute of Geology
Chinese Academy of Geological Sciences (CAGS)
26 Baiwanzhuang Road
Beijing 100037, China
Tel: +86-(10)-6899-0617
Fax: +86-(10)-6899-7803
E-mail: houzengqian@126.com

Vice Chairpersons:

Mr. Bai Xingbi
Deputy Director-General
Department of Science, Technology and International Cooperation
Ministry of Land and Resources, P. R. China
No. 64 Funei Street, Beijing 100812, China
Tel: +86-(10)-6655-8402
Fax: +86-(10)-6612-7247
E-mail: xbbai@mail.mlr.gov.cn

Mr. Chen Linhao
Deputy Director-General
Department of International Cooperation
Ministry of Science and Technology, P.R. China
Tel: +86-(10)-5888-1385
Fax: +86-(10)-5888-1324
E-mail: chenlh@most.cn

Dr. Liu Yu
Division Director
Earth Sciences Department
National Natural Science Foundation of China
No. 83 Shuangqing Road
Beijing 100085, China
Tel: +86-(10)-6232-7539
Fax: +86-(10)-6232-6900
E-mail: liuyu@nsfc.gov.cn

Secretary-General: Prof. Wu Zhenhan
 Director-General
 Department of Science, Technology and International Cooperation
 China Geological Survey
 Vice President
 Chinese Academy of Geological Sciences
 26 Baiwanzhuang Road, Beijing 100037, China
 Tel: +86-(10)-6899-9626
 Fax: +86-(10)-6831-0894
 E-mail: zhenhanwu@cags.ac.cn

Secretariat: Secretariat
 China National Committee for IGCP
 Division of International Cooperation
 Chinese Academy of Geological Sciences
 26 Baiwanzhuang Road, Beijing 100037, China
 Tel: +86-(10)-6831-0893 or +86-(10)-6899-9619
 Fax: +86-(10)-6831-0894
 E-mail: dic@cags.ac.cn
 Http: www.cags.ac.cn/igcp-china

Part Two: Membership of the Committee

Prof. Deng Jun	President, China University of Geosciences (Beijing)
Prof. Fan Weiming	Executive Deputy Director, Institute of Tibetan Plateau Research, Chinese Academy of Sciences
Prof. Jin Zhijun	Director, SINOPEC Petroleum Exploration and Production Research Institute
Prof. Liu Chuncheng	Deputy Director, Exploration Department, Research Center of China National Offshore Oil Corporation (CNOOC)
Mr. Wang Manda	Deputy Director-General, Department of Science and Technology, China Earthquake Administration
Prof. Wang Yanxin	President, China University of Geosciences (Wuhan)
Prof. Xiao Wenjiao	Deputy Director, Institute of Geology and Geophysics, Chinese Academy of Sciences
Prof. Yang Bing	Director, China Non-Ferrous Metals Resource Geological Survey
Prof. Zhang Lifei	Dean, School of Earth and Space Sciences, Peking University
Prof. Zhao Wenzhi	Director, Research Institute of Petroleum Exploration and Development, China National Petroleum Corporation

Part Three: On-Going IGCP Projects:

I. 4 IGCP Projects with Project Leaders from China:

No. 589	Development of the Asian Tethyan Realm Prof. Jin Xiaochi, Institute of Geology, Chinese Academy of Geological Sciences
No. 630	Permian-Triassic Climatic and Environmental Extremes and Biotic Response Prof. Chen Zhong Qiang, China University of Geosciences (wuhan)
No. 632	Continental Crises of the Jurassic Prof. Sha Jingeng, Nanjing Institute of Geology and Paleontology, Chinese Academy of Sciences
No. 649	Diamonds and Recycled Mantle Prof. Yang Jingsui, Institute of Geology, Chinese Academy of Geological Sciences

II. 6 IGCP Projects with Project Co-Leaders from China:

No. 592	Continental Construction in Central Asia Prof. Xiao Wenjiao, Institute of Geology and Geophysics, Chinese Academy of Sciences
No. 608	Asia-Pacific Cretaceous Ecosystems Prof. Wan Xiaoqiao, China University of Geosciences (Beijing)
No. 609	Cretaceous Sea-Level Changes Prof. Hu Xiumian, Nanjing University
No. 618	Paleoclimate information obtained from past-recharged groundwater Prof. Chen Jianyao, Sun Yat-sen University
No. 641	Deformation and fissuring caused by exploitation of subsurface fluids Prof. Ye Shujun, Nanjing University
No. 653	The onset of the Great Ordovician Biodiversification Event Prof. Zhang Yuandong, Nanjing Institute of Geology and Paleontology, Chinese Academy of Sciences

II. Projects with an Active Working Groups:

In 2016, the Chinese geoscientists have participated in the following 13 IGCP projects: Nos., 589, 592, 608, 609, 618, 619, 624, 628, 630, 632, 641, 649 and 653.

Part Four: Activities of the National Committee

1. Actively recommending IGCP project proposals

1) **One IGCP project with a Chinese geoscientist as the Project Co-Leader being newly approved in 2016:** With the support of the China National Committee for IGCP, one new IGCP project with a Chinese geoscientist as the Project Co-Leader

got approval of the IGCP Scientific Board:

- ◆ IGCP-653 “The onset of the Great Ordovician Biodiversification Event” co-led by Prof. Zhang Yuandong from the Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences

2) Recommending IGCP proposals to the IGCP Scientific Board: In 2016, the China National Committee for IGCP recommended two IGCP proposals initiated or co-initiated by Chinese geoscientists, including:

- ◆ IGCP proposal “Reading geologic time in Paleozoic sedimentary rocks: the need for an integrated stratigraphy” co-initiated by Dr. Dai Shuang from Lanzhou University
- ◆ IGCP proposal “Structure, substance cycle, and environment sustainability of the critical zone in karst systems” initiated by Prof. Zhang Cheng from the Institute of Karst Geology, Chinese Academy of Geological Sciences

2. Assisting in the official establishment of the International Center on Global-scale Geochemistry – a UNESCO Category II Center

The International Center on Global-Scale Geochemistry was officially inaugurated at the Institute of Geophysical and Geochemical Exploration (IGGE), CAGS based in Langfang, Hebei Province of China as a new category 2 center under the auspices of UNESCO on May 12, 2016. The China National Committee for IGCP assisted in the preparations for the inauguration of the Center.

Mr. Jiang Daming, Minister of Land and Resources of China, Dr. Flavia Schlegel, Assistant Director-General for Natural Sciences of UNESCO, Mr. Yuan Tongli, Vice Governor of Hebei Province, Prof. Roland Oberhaensli, President of the International Union of Geological Sciences (IUGS), Mr. Du Yue, Director-General of the Chinese National Commission for UNESCO addressed the Inauguration Ceremony. Dr. Cao Weixing, Vice Minister of Land and Resources of China, Dr. Zhong Ziran, Vice Minister for Geological Survey and President of China Geological Survey (CGS), Dr. Peng Qiming, Chief Geoscientist of the Ministry of Land and Resources of China, Dr. Li Jinfa, Vice President of CGS, and Mr. Wang Xiaolie, Vice President of CGS and Executive Vice President of CAGS were present at the inauguration ceremony.

Also present at the Inauguration Ceremony were representatives from the Ministry of Education, Ministry of Science and Technology, Ministry of Commerce, National Natural Science Foundation of China, UNESCO Category II Centers based in China, the 1st Governing Board and Academic Committee of the International Center on Global-scale Geochemistry, and trainees from home and abroad of the geochemical training course to be organized after the inauguration ceremony of the Center.



Dr. Cao Weixing, Vice Minister of Land and Resources of China, and Dr. Flavia Schlegel, Assistant Director-General for Natural Sciences of UNESCO signed the Agreement of the International Center on Global-Scale Geochemistry on behalf of the Chinese Government and UNESCO respectively.

At the Inauguration Ceremony, Dr. Li Jinfa, Vice President of CGS and Councilor of the 1st Governing Board of the Center announced the release of the Report on Geochemical Survey in China (2016), Mr. Peng Xuanming, Director-General of IGGE and Director of the Center, introduced the international cooperation programme Mapping the Chemical Earth and Dr. Peng Qiming, Chief Geoscientist of MLR announced the official launch of the One Global Geochemical Map platform.

The objectives of the International Center on Global-Scale Geochemistry are as follows:

To foster knowledge and technology of global-scale geochemistry for sustainable global development in the field of natural resources and environments;

To document the global concentration and distribution, baselines and changes of chemical elements in the Earth surface for monitoring environments, for discovering mineral resources, for improving the efficiency of agriculture, and for studying the behavior of elements in the food chain and their health effects on humans and other biota;

To educate and train postgraduate students, scientists and engineers on the basis of up-to-date global-scale geochemical knowledge and mapping, and to provide technical assistance to developing countries;

To promote equal access to basic services and knowledge-sharing, and to create a bridge between the scientific community, decision makers and the general public in

the field of global-scale geochemical data.

3. Assisting in the renewal of the Agreement for the International Research Center on Karst (IRCK) and organization of the Governing Board Meeting

1) Renewal of the Agreement for the IRCK

At the inauguration ceremony of the International Center on Global-Scale Geochemistry held on May 12, 2016, Dr. Cao Weixing, Vice Minister of Land and Resources of China, and Dr. Flavia Schlegel, Assistant Director-General for Natural Sciences of UNESCO renewed the Agreement of the International Research Center on Karst on behalf of the Chinese Government and UNESCO respectively.

2) Organization of the IRCK Governing Board Meeting

Following the renewal of the Agreement for IRCK between UNESCO and the Chinese government, the 1st Session of the 2nd IRCK Governing Board was held in Guilin City of Guangxi Autonomous Region, China on November 11, 2016. The 2nd IRCK Governing Board was composed of 17 members respectively from the Ministry of Land and Resources of China, UNESCO Division of Ecological and Earth Sciences, International Union of Geological Sciences, China Geological Survey, Chinese Academy of Geological Sciences, Department of Land and Resources of Guangxi Autonomous Region, Department of Science and Technology of Guangxi Autonomous Region, China University of Geosciences (Wuhan), Guilin Municipal Government, Institute of Karst Geology of Chinese Academy of Geological Sciences, and scientists from the United States, Serbia and Canada. Dr. Peng Qiming, Chief Geologist of the Ministry of Land and Resources of China serves as the Chairman of the 2nd IRCK Governing Board.



At the 1st Session of the IRCK Governing Board, Members reviewed the achievements of the Center from 2014 to 2016, the 2nd Six-Year Development Plan (2016-2021), Statutes of the Center and Administrative Regulations. Governing Board Members also listened to the report on the big international science program proposal “Global Karst Dynamics System and its Resources and Environmental Effects”.

4. Supporting China’s participation in the activities of Global Geoparks Network (GGN)

The China National Committee for IGCP assisted China National Geoparks Network in accomplishing the following major work:

1. The Chinese side assisted with the work of the Secretariat of UNESCO Global Geoparks: (1) At the invitation of UNESCO, China sent 7 Chinese experts to conduct revalidation missions of global geoparks overseas; (2) Assisting aspiring Chinese global geoparks in making applications to UNESCO.
2. The Chinese delegation attended the 7th UNESCO Global Geoparks Conference held in the U.K. from September 23 to October 2, 2016, and distributed GGN Newsletters (English edition) and the Distribution Map of the UNESCO Global Geoparks in China.
3. The Committee assisted with the 2nd UNESCO Global Geoparks Training Course in Beijing, attracting more than 140 delegates from 16 countries.

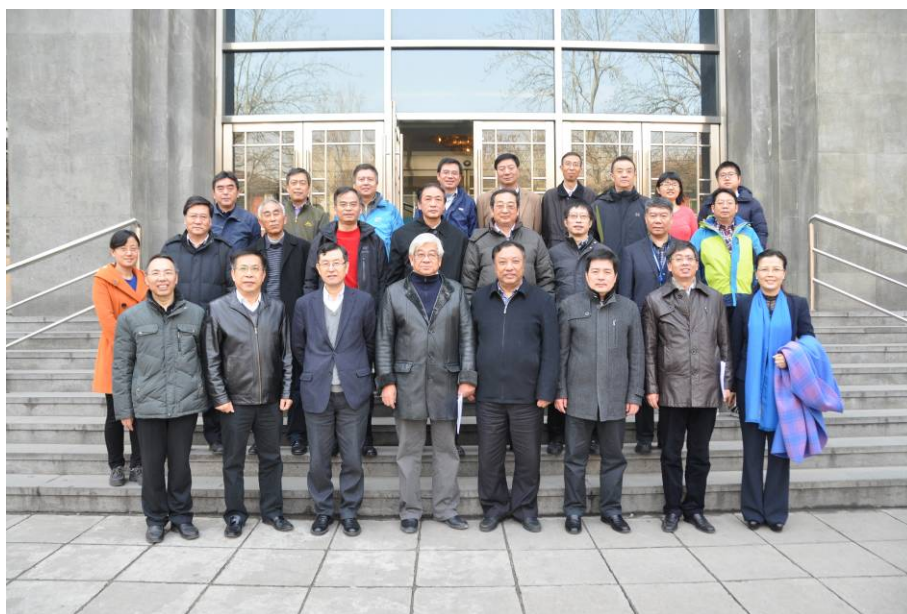
5. Continuous Financial Support from the Chinese government to the IGCP

With the help of the China National Commission for UNESCO, the 2016 contribution of 20,000 USD to IGCP was remitted to UNESCO in due time to support IGCP projects.

6. Convening of the 2016 Annual Meeting of the China National Committee for IGCP

The 2016 Annual Meeting of the China National Committee for IGCP was held in Beijing on November 30th, 2016. This meeting was also a handover meeting of the Third and Fourth China National Committees for IGCP. During the meeting, the members of the Fourth National Committee were formally announced and the working plan for the year of 2017 was discussed and decided. In addition, Chinese geologists serving as Leaders or Co-leaders of the ongoing IGCP projects gave presentations on the progress of their projects.

The Fourth China National Committee for IGCP includes 15 members, who are from MLR, Ministry of Sciences and Technology of China, National Natural Science Foundation of China, China Earthquake Administration, Chinese Academy of Sciences, CAGS, China University of Geosciences, Peking University, Research Institute of Petroleum Exploration and Development, SinoPec Petroleum Exploration and Production Research Institute, Research Institute of China National Offshore Oil Corporation and China Non-Ferrous Metals Resource Geological Survey.



The following geologists gave presentations on the progress of their IGCP projects at the meeting:

No.	Reporters	IGCP Projects
1	Prof. Jin Xiaochi	IGCP 589 - Development of the Asian Tethyan Realm
2	Prof. Xiao Wenjiao	IGCP 592 - Continental Construction in Central Asia
3	Prof. Li Guobiao	IGCP 608 - Asia-Pacific Cretaceous Ecosystems
4	Prof. Chen Xi	IGCP 609 - Cretaceous Sea-Level Changes
5	Prof. Chen Zhongqiang	IGCP 630 - Permian-Triassic Climatic and Environmental Extremes and biotic responses
6	Prof. Sha Jingeng	IGCP 632 - Permian-Triassic Climatic and Environmental Extremes and biotic responses
7	Prof. Yang Jingsui	IGCP 649 - Diamonds and Recycled Mantle
8	Prof. Zhang Yuandong	IGCP 653 - The onset of the Great Ordovician Biodiversity Event



At the business meeting which was attended only by the Committee Members and invited delegates, the submitted annual reports of the National Working Groups were reviewed, and the major tasks for 2017 were proposed and discussed as the following:

1. To further strengthen collaboration with UNESCO on IGCP

The Committee will closely follow the reform and development of the International Geoscience and Geoparks Programme (IGGP) within UNESCO, and recommend more Chinese geoscientists to serve in the new IGCP governing bodies.

2. To unify and propose new international big science initiatives

Centering on the Chinese national scientific and technological innovation strategies and “One Belt, One Road” Initiative, the Committee will leverage the established UNESCO category II centers, follow closely the potential agreement between UNESCO and the relevant Chinese governmental agencies, and propose new international big science initiatives based on the implementation of the existing IGCP projects.

3. To recommend a new batch of IGCP projects

The Committee plans to recommend a new batch of IGCP projects initiated or co-initiated by the Chinese geoscientists centering on the 5 IGCP themes: Earth Resources, Climate Change and the Evolution of Life, Geohazards, Hydrogeology and Geodynamic.

4. To further increase the visibility and influence of IGCP in the Chinese geoscience community

The Committee will improve its meeting mechanism and make full use of reports and the website to increase the publicity of IGCP among Chinese geoscientists. The Committee plans to organize its annual meetings open to more Chinese geoscientists, not only limited to the Committee Members and IGCP project leaders so as to increase the visibility and influence of IGCP in the Chinese geoscience community.