



# 中乌矿产资源储量分类实践国际研讨会

China-Ukraine Workshop on Resources  
Classification: Status, Mapping and Application

## WORKSHOP HANDBOOK

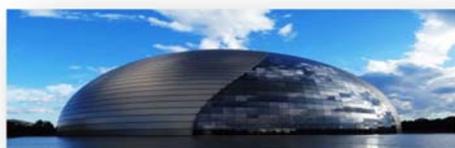


Beijing, China

June 2-3, 2015



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## ORGANIZATION

### ORGANIZERS



Mineral Resources and Reserves Evaluation Center,  
Ministry of Land and Resources, China



State Commission of Ukraine on Mineral Resources  
(SCMR)

### CO-ORGANIZERS



Research Institute of Petroleum Exploration and  
Development (RIPED), CNPC



International Knowledge Centre for Engineering Sciences  
and Technology under the Auspices of UNESCO  
(IKCEST)

### PROGRAM COMMITTEE

**Co-Chairmen:** Zhang Dawei , Georgii Rudko

**Vice Chairmen:** Mu Longxin , Yi Jian

**Members:** Valentyn Grygil, Li Yuxi, Bohdan Yatsykovskyy, Li Jian,  
Oleksandr Serdechnyi, Yang Hua, Sergii Plakhotnii,  
Li Shengxiang, Victoria Zubok, Liu Chang

**Secretary:** Yang Hua



## PROGRAM AGENDA

**Tuesday, 2 June, 2015**

TIME	PROGRAM	PRESENTOR/HOST
8:00-8:30	Welcome Interview by Officials	<p style="text-align: center;"><b>Zhang Dawei</b></p> Director of the Mineral Resources and Reserves Evaluation Center, Ministry of Land and Resources, China
8:30-8:40	<b>Opening Speech</b>	
8:40-9:00	China Mineral Resources and Reserves Management: Government View, Experience and Prospects.	
9:00-9:40	Ukraine Mineral Resources and Reserves Management: Government View, Experience and Prospects.	<p style="text-align: center;"><b>Georgii Rudko</b></p> Chairman of State Commission of Ukraine on Mineral Resources (SCMR)
9:40-9:50	Taking Photos	
9:50-10:00	<i>Coffee Break</i>	
10:00-10:30	Classification of Mineral Reserves and Resources of the State Subsoil Fund of Ukraine.	<p style="text-align: center;"><b>Alexey Netskyi</b></p> Chief of the Administration for Nonmetallic Minerals, Groundwater and Information Technologies in Geology
10:30-11:00	Comparison of the National Classification of Mineral Reserves and Resources of the State Subsoil Fund of Ukraine with the Reporting System of the CRIRSCO Family.	<p style="text-align: center;"><b>Stanislav Lytvyniuk</b></p> Deputy Director of the Administration for Ore & Combustible Mineral Resources, Candidate of Geological Sciences
11:00-11:30	Comparison of the PRMS (Petroleum Resources Management System) with the Classification of Hydrocarbons of the State Commission of Ukraine on Mineral Resources.	<p style="text-align: center;"><b>Valentyn Hryhil</b></p> Deputy Chairman of State Commission of Ukraine on Mineral Resources
11:30-12:00	Mapping of the Classification Systems in Ukraine to the UNFC-2009.	<p style="text-align: center;"><b>Alexey Netskyi</b></p> Chief of the Administration for Nonmetallic Minerals, Groundwater and Information Technologies in Geology



12:00-13:30	<b>Lunch</b>	
13:30-14:00	Status and Prospects of the Chinese Solid Mineral Resources and Reserves Classification System	<b>Li Jian</b> Deputy Director of the Mineral Resources and Reserves Evaluation Center, MLR
14:00-14:30	Comparison of the Chinese Petroleum Resources and Reserves Classification with PRMS and UNFC	<b>Yang Hua</b> Deputy Director of the General Office of International Research Center, RIPED
14:30-15:00	Application of Ukrainian Classification under economic-geological evaluation of deposits; and the account of hydrocarbon reserves.	<b>Valentyn Hryhil</b> Deputy Chairman of State Commission of Ukraine on Mineral Resources
15:00-15:30	Application of Classification of Mineral Reserves and Resources of the State Subsoil Fund of Ukraine for economic-geological evaluation of solid mineral deposits.	<b>Stanislav Lytvyniuk</b> Deputy Director of the Administration for Ore & Combustible Mineral Resources, Candidate of Geological Sciences
15:30-15:40	<b>Coffee Break</b>	
15:40-16:10	Uranium deposit as an example that shows the application experience Classification for Mineral Reserves and Resources of the State Subsoil Fund of Ukraine, adapted to the UNFC and the IAEA Classification.	<b>Stanislav Lytvyniuk</b> Deputy Director of the Administration for Ore & Combustible Mineral Resources, Candidate of Geological Sciences
16:10-16:40	Application Cases of UNFC-2009 on Uranium deposits in China and Niger.	<b>Li Shengxiang</b> Project Manager, China National Nuclear Corporation
16:40-17:10	Idea and Prospects of the Professional Knowledge Service System for Energy _Taking Coal Resources Classification System as an Example	<b>Xie Kechang</b> CAE Member, former Vice-President of Chinese Academy of Engineering  <b>Tian Yajun</b> Senior Engineer, National Institute of Clean-and-Low-Carbon Energy, IKCEST Energy Sub-System



17:10-17:40	Information Support for State Expert Examination of Mineral Reserves	<b>Alexey Netskyi</b> Chief of the Administration for Nonmetallic Minerals, Groundwater and Information Technologies in Geology
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### Wednesday, 3 June, 2015

8:30-9:00	Shale Gas Resources Prospects in China and related Policies	<b>Li Yuxi</b> Deputy Engineer-General, the Mineral Resources and Reserves Evaluation Center, MLR
9:00-9:30	New Progresses of Shale Gas Exploration and Exploitation in Sichuan Basin, China	<b>Dong Dazhong</b> Deputy Director of the Resources Evaluation and Planning Department, RIPED
9:30-10:00	The state, prospects and initial regulatory development of economic-geological evaluation for prospective shale gas resources in Ukraine.	<b>Valentyn Hryhil</b> Deputy Chairman of State Commission of Ukraine on Mineral Resources
10:00-10:15	Panel Discussion	
10:15-10:30	<b>Coffee Break</b>	
10:30-11:10	Application of Classification to calculate reserves and evaluate the resources of coalbed methane within the subsurface area, where development was not carried out.	<b>Valentyn Hryhil</b> Deputy Chairman of State Commission of Ukraine on Mineral Resources
11:10-11:40	Application of the Classification during calculation and economic-geological evaluation of emission and recoverable reserves of coal-bed methane.	<b>Stanislav Lytvyniuk</b> Deputy Director of the Administration for Ore & Combustible Mineral Resources, Candidate of Geological Sciences
11:40-12:00	<b>Closing Remark</b>	
12:00-14:00	<b>Lunch</b>	
14:00-17:00	<b>Program Committee Meeting</b> <ul style="list-style-type: none"> <li>- Summarize the Workshop report</li> <li>- Discussion on potential cooperation and work plan for next step.</li> </ul>	



## TRAINING COURSES

**VENUE: No. 260 Room, 2st floor, Main Building, RIPED**

**Monday, 1 June 2015, 9:00-12:00**

*Title: **The Age of Big Data***

*Lecturer: **Chen Ling***

*Content:*

The popularization of information technologies and the improvement of computer performance have opened the screen of the big data era. The training course will share with you the basic concepts of ‘big data’, related technologies, *Apache-Hadoop* Open-source Projects, *Apache-Spark* Open-source Projects, big data analytics and mining, big data application examples, and the development tendency outlook of big data technologies and application prospects.

**Thursday, 4 June 2015, 9:00-12:00**

*Title: **Major Resources Classification Systems in the World and New Updates***

*Lecturer: **Georgii Rudko, Yang Hua,***

*Content:*

Establishing a complete picture of the current and future energy supply base is necessary for effective resource management, and accurate and consistent estimates of fossil energy and mineral reserves and resources are the foundation for such assessments. This course will introduce major international resources classification systems supporting those estimations in the world and share with you the practical experience in Ukraine.



## SPEAKERS

### Ukraine Speakers



#### **Georgii Rudko**

Chairman of State Commission of Ukraine on Mineral Resources, Doctor of Geology and Mineralogy Sciences, Doctor of Geography Sciences, Doctor of Technical Sciences; Academician at the Academy of Sciences of Higher School of Ukraine, Academician of the Academy of Mining Sciences of Ukraine.

Georgii Rudko published more than 500 scientific papers, including 50 monographs, 15 textbooks for high schools, 20 preprints and brochures, more than 40 teaching materials and instructions of State Commission of Ukraine on Mineral Resources, 9 works were published abroad. Under his leadership 2 doctoral and 7 master's theses were defended.

Over the years, under the leadership and direct participation of Georgii Rudko, more than 2500 mineral deposits were subjected to economic-geological evaluation (oil, gas, coal and solid mineral resources).

Areas of scientific research: geology of mineral deposits, engineering geology, medical geology, geomorphology, environmental geology, geo-ecology, and economic geology.



#### **Valentyn Hryhil**

Deputy Chairman of State Commission of Ukraine on Mineral Resources.

Since 2004, he has been working at State Commission of Ukraine on Mineral Resources. He held the post of



Chief Geologist at Oil and Gas Department, Chief of Department, Deputy Head of Department and is actively involved in the development of regulatory framework for economic-geological evaluation and public examination of oil and gas.

Areas of research: economic geological evaluation of oil and gas, hydrocarbons, natural combustible gases, a feasibility study of oil and gas subsoil.



### **Bohdan Yatsykovskiy**

Deputy Chairman of State Commission of Ukraine on Mineral Resources on Economic Development and International Activities.

Since 2014, he has been working at State Commission of Ukraine on Mineral Resources and during 2006 to 2014; he held positions in central and local executive authorities, local governments and financial institutions.

Assistant Minister of Finance, Deputy Head of Department in the Ministry of Finance, Economic Advisor of Chairman of Lviv Regional State Administration, and Head of the General Directorate of Economics and Industrial Policy.

Fluent in languages: Ukrainian, Russian, English, Swedish and German.



### **Oleksii Netskiy**

Head of Department for Nonmetallic Minerals, Groundwater and Information Technologies in Geology at State Commission of Ukraine on Mineral Resources.

Since 2005 has been working at State Commission of Ukraine on Mineral Resources. Finished the postgraduate study at the geological department of Kyiv National Taras Shevchenko University and



graduated from the State Environmental Academy of Postgraduate Education and Management in Kiev.

Author of over 40 scientific works, including 6 monographs.

Areas of research: development and application of classifications of mineral reserves and resources, GIS technologies for calculation of mineral resources, hydrogeology, influence of chemical composition of drinking waters on human health, environmental safety under the development of mineral deposits.



### **Stanislav Lytvyniuk**

Chief of Department, Deputy Head of Department of Ore & Combustible Mineral Resources, Candidate of Geological Sciences.

During 2005-2010 worked as a geologist in various investment companies engaged in prospecting and exploration of mineral resources in South Africa.

Since 2010, he served as Chief geologist of the department of ore & combustible mineral resources in State Commission of Ukraine on Mineral Resources. Organizes and controls the work of state examination corticosteroids deposits of solid fuels and ore minerals in accordance with the approved work plan.

Areas of research: economic-geological evaluation of mineral deposits. Key research provisions are presented in 25 scientific papers, 14 of which - articles published in professional journals, and 11 - abstracts of scientific conferences.



### **Victoria Zubok**

Chief translator of the State Commission of Ukraine on Mineral Resources.

Since 2010, she has been working at State Commission of Ukraine on Mineral Resources.



## Chinese Speakers



### Zhang Dawei

Director of the Mineral Resources and Reserves Evaluation Center in the Ministry of Land and Resources of the people's Republic of China; Vice President of the Chinese Association of Mineral Resources Appraisers.

Researcher, He has been working in the field of resources survey and evaluation, policies researching and management of reserves for decades. He is mainly responsible for evaluation and registration management of mineral resources and reserves of the whole nation, formulation and revision standards for the mineral exploration and the classification of mineral resources and reserves, as well as evaluation the reports of large important mineral resources and reserves.



### Li Yuxi

Ph.D, Deputy chief engineer of the Mineral Resources and Reserves Evaluation Center in the Ministry of Land and Resources of the people's Republic of China. He specializes in petroleum geology and resources assessment. He has finished the "New round petroleum resources assessment of China", "Shale gas resource

assessment and favorable zone evaluation in main regions of China" and "Shale gas assessment and favorable zone evaluation of China". Specialized research projects, and took part in the shale gas blocks tenders organized by the MLR.

Published more than 40 academic papers, He won National Prize for Progress in Science and Technology once, Scientific and Technological Progress Award of Ministry of Land and Resources four times and Provincial and Ministerial



Science and Technology Progress Award seven times.



**Li Jian,**

Geological Economist, and deputy director of the Evaluation Department of the Mineral Resources and Reserves Evaluation Center in the Ministry of Land and Resources of the people's Republic of China

PH.D, Graduated from University of Geosciences, Beijing. As a participant, he audited more than 250 reports of mineral resources and reserves. He has been responsible for 5 research projects of mineral resources and reserves administration.



**Xie Kechang**

Former Vice-President of the Chinese Academy of Engineering, member of the Chinese Academy of Engineering (CAE), member of the National Academy of Engineering of America, and a specialist in coal chemical engineering.

Since 1997, he has held positions as the Vice Chairman of China Association for Science and Technology, Deputy Director of Science and Technology Commission of Ministry of Education, China. From 1995 to 2010, he served as the President of Taiyuan University of Technology. During 2010-2014, he served as the Vice-President of the Chinese Academy of Engineering (CAE).

With a long-term involvement in fundamental research, technological development and teaching in relation to coal chemical engineering, professor Xie has made great contribution to the understanding of relations between coal structure and reactivity. He has also been involved in development of



de-sulfurization agents and their applications in coal gasification. He has twice served as the chief scientist of “973” National Basic Research Programs of China and is currently heading a project entitled “Basic research on the polygeneration applications of syngas from a combination of gasified and pyrolyzed coal gas”. As a chief researcher, he has been honored with a number of prizes, five books and 25 patents. Professor Xie was elected Member of the Chinese Academy of Engineering (CAE) in 2003, and became a member of National Academy of Engineering of America in 2013.



### **Tian Yajun**

Senior Engineer, working for the National Institute of Clean-and-Low-Carbon Energy (NICE) of China.

He received his bachelor degree in coal chemical engineering in 1994, and doctor degree in chemical engineering in 2001 respectively at Taiyuan University of Technology. From 2001 to 2005, he worked as a post doctor in the Chemistry College and Physics College of Nanjing University of China. He also had a one-year study experience as a post doctor in Nagoya University of Japan in 2008.

He has led about ten research projects, published 3 books 77 technical papers, and invented 4 authorized patents. He was elected as an Outstanding Young Scientist of Beijing in 2006. His current research focuses on coal chemical engineering and industrial application assessment of coal property, life cycle assessment (LCA) and technology economic analysis (TEA). He has been participating in projects of the International Knowledge Centre for Engineering Science and Technology (IKCEST) led by Chinese Academy of Engineering (CAE), making special contribution to the Energy Professional Knowledge Service Sub-System.



### **Dong Dazhong**

Senior technical specialist in CNPC, Deputy director of the NEA Shale Gas Development (experiment) Center in RIPED, CNPC.

Received his Bachelor degree from Southwest Petroleum University in 1983, Master degree in petroleum geology and exploration from Research Institute of Petroleum Exploration & Development in 1990 and Ph. D in geological resources and geological engineering from China University of Petroleum (Beijing) in 2006.

He began his career at Research Institute of Petroleum Exploration & Development from 1983 and worked on domains of sedimentary basin petroleum geology, resource evaluation, the direction of oil and gas exploration, annual exploration deployment and development strategy. He took part in more than 30 significant national and CNPC projects and won more than 20 provincial awards. He published more than 60 papers and monographs. He played an important role in the early discovery of oil and gas in the Tarim Basin, the breakthrough of volcanic gas in the Junggar Basin, the southern expansion of oil exploration in Ordos Basin, and the breakthrough of China shale gas exploitation.

Since 2005, he focused his energy on the unconventional geological theory, geological evaluation and selection and exploration technology of shale gas. He played an important role in the establishment and development of unconventional oil and gas geological theory. He also promoted the breakthrough and development of marine shale gas in the Sichuan Basin of China.



### **Yang Hua**

Senior engineer, Deputy Director of the General Office of the Interational Research Center of RIPED, CNPC; Member of the Geological Society of China, member of the SPE Oil & Gas Reserves Committee (OGRC), and member of the Communication Subcommittee (CSC) of the United Nations' Expert Group on Resources Classification.

Received BSc (Bachelor degree) in Reservoir Engineering in 1993 and MSc (Master degree) in Petroleum Field Development Engineering in 1998.

She has been working for CNPC more than 20 years and has rich experience in the researches on petroleum field exploration & development. She has led about 20 FDP studies of major fields for CNPC's overseas projects, including ones in Venezuela, Azerbaijan, Kazakhstan, Iran, Oman, Sudan, and etc., and also has rich experience in new venture assessment and unconventional resources evaluation. From 2005 to 2009, has served as the director of the Reserves Office of CNODC (CNPC International Ltd.), with the responsibility of the resources and reserves evaluation and management of CNPC's overseas projects.

Finished 56 technical evaluation reports, and published 32 papers and 3 monographs.



### **Li Shengxiang**

PhD and Professor in Geology, Chief technical advisor of CNNC International Limited; Member of the Expert Committee of the National Science and Technology Projects, council member of the Chinese society of mineralogy, petrology and geochemistry, and the Beijing Geological Society, editor of the Uranium Geology and the World Nuclear Geoscience.

He received his bachelor degree in radioactive geological prospecting at the East China University of Science and Technology in 1982, and doctor degree in mineral prospecting and exploration at Beijing Institute of Nuclear Industry in 2002.

He has majored in the nuclear resources evaluation, acquisition and exploitation for more than 30 years, put forward the formation model of “Double Mixing” and enriched the formation theory of sandstone uranium deposits in petroliferous basin, and published 38 papers and monographs.



## PARTICIPANTS LIST

<b>No.</b>	<b>Name</b>	<b>Institution (Affiliation)</b>	<b>Position</b>
1	Georgii Rudko	State Commission of Ukraine on Mineral Resources ( SCMR )	Chairman
2	Valentyn Hryhil	State Commission of Ukraine on Mineral Resources ( SCMR )	Deputy Chairman
3	Bohdan Yatsykovskiyi	State Commission of Ukraine on Mineral Resources ( SCMR )	Deputy Chairman
4	Oleksii Netskyi	Department of Nonmetallic Minerals, Groundwater and Information Technologies in Geology, SCMR	Head
5	Stanislav Lytvyniuk	Department of Ore & Combustible Mineral Resources, Candidate of Geological Sciences, SCMR	Deputy Head
6	Victoria Zubok	State Commission of Ukraine on Mineral Resources ( SCMR )	Chief Interpreter
7	Hu Kui	Consulting & Research Center of the Ministry of Land & Resources	Former Head of the State Reserve Administration
8	Yan Tiexiong	Consulting & Research Center of the Ministry of Land & Resources	Former Deputy Head of the State Reserve Administration
9	Shao Juenian	Consulting & Research Center of the Ministry of Land & Resources	Former Director of Reserves Bureau, MLR
10	Zhang Youxun	Bureau of Veteran Cadres, MLR	Former Director of the State Reserve Administration
11	Chen Xianda	China Mining Association	Vice president & Secretary General
12	Han Zheng	Oil and Gas Reserves Auditing Office of the Mineral Resources and Reserves Evaluation Center, MLR	Director



13	Yu Hengxu	Radioactive Mineral Resources and Reserves Auditing Office of the Mineral Resources and Reserves Evaluation Center. MLR	Director
14	Miao Qi	China National Administration of Coal Geology	Senior Engineer
15	Guo Qijun	Mining Right and Reserves Dept. of the Oil Field Division, SINOPEC	Director
16	Zheng Jian	Mining Right and Reserves Dept. of the Oil Field Division, SINOPEC	Deputy Director
17	Zhang Lian	Petroleum Exploration and Production Research Institute of SINOPEC	Senior Engineer
18	Zhu Yangyang	Exco Resources Beijing Co., Ltd	President
19	Meng Wei	Beijing twenty-first Century Resource Investment Co., Ltd.	Chief Geologist
20	Zhou Shangguo	Geological Survey Department of the China Metallurgical Geology Bureau	Director, Professor
21	Liu Jingcai	China Capital Investment [Group]Co. Ltd.	Senior Engineer
22	Dong Fangliu	China Aluminum Corporation Limited	Manager
23	Tang Jiaxuan	China National Coal Association	Director, Professor
24	Chen Yuqing	Beijing CMA Consultancy Center	Deputy Director
25	Xiong Xiaofang	China Enfi Engineering Corp. Ltd.	Deputy Chief Engineer
26	Zhou Kun	China Enfi Engineering Corp. Ltd.	Senior Engineer
27	Shen Ming	Dadi Engineering Corp. Ltd.	Professor



28	Xu Anshun	SRK Corp. Ltd.	Chinese Partner
29	Xiao Pengfei	SRK Corp. Ltd.	Senior Consultant
30	Fu Qiang	Beijing SDZX Mineral Resources Technology Consulting Company	Chairman
31	Li Yan	Beijing SDZX Mineral Resources Technology Consulting Company	President
32	Shang Feng	Beijing SDZX Mineral Resources Technology Consulting Company	Consulting Director
33	Geng Fulan	Beijing SDZX Mineral Resources Technology Consulting Company	Consultant
34	Hu Jianming	Beijing 3Dmine Software Corp. Ltd.	President
35	Sun Yujian	Beijing 3Dmine Software Corp. Ltd.	Senior Engineer
36	Tang Changzhong	Beijing SD Resources Corp.	Chairman
37	Guo Huaqiang	Reserves Depart. of the Land and Resources Bureau in Jiangxi Province	
38	Huang He	Jiangxi nonferrous mineral exploration and Development Institute	Professor
39	Li Haiguang	Shanxi Geology and Mineral Technology Assessment Center	Chief
40	Zhang Lixin	Heilongjiang Mineral Resources and Reserves Assessment Center	Deputy Director
41	Xie Jianqiang	Gansu Mineral Resources and Reserves Assessment Center	Director
42	Liu Shi	Guangdong Mineral Resources and Reserves Assessment Center	Chief



43	Bai Ping	Yunnan Mineral Resources and Reserves Assessment Center	Deputy Director
44	Duan Xin	Yunnan Mineral Resources and Reserves Assessment Center	Senior Engineer
45	Chen Xinwei	Xinjiang Mineral Resources and Reserves Assessment Center	Director
46	Dang Yanxia	Xinjiang Mineral Resources and Reserves Assessment Center	Chief, Professor
47	Dong Xianhong	Sichuan Mineral Resources and Reserves Assessment Center	Chief Engineer
48	Chen Zhaoming	Sichuan Mineral Resources and Reserves Assessment Center	Senior Engineer
49	Tang Jianming	Sichuan Mineral Resources and Reserves Assessment Center	Senior Engineer
50	Liu Pingli	Shanxi Land Resources Planning and Assessment Center	Deputy Chief Engineer
51	Li Hongzhi	Guizhou Land Survey & Plan Institute	Deputy Director
52	Xie Yuechun	Shandong Land and Resources Information Archives	Senior Engineer
53	Zhang Dawei	Mineral Resources and Reserves Evaluation Center, MLR	Director
54	Li Yuxi	Mineral Resources and Reserves Evaluation Center, MLR	Deputy Chief Engineer
55	Ming Yuqin	Office of the Mineral Resources and Reserves Evaluation Center, MLR	Director



56	Wang Hanyu	Evaluation Department of the Mineral Resources and Reserves Evaluation Center, MLR	Director
57	Li Jian	Evaluation Department of the Mineral Resources and Reserves Evaluation Center, MLR	Deputy Director
58	Zhang Mingyan	Science and Technology Department of the Mineral Resources and Reserves Evaluation Center, MLR	Director
59	Wan Hui	Science and Technology Department of the Mineral Resources and Reserves Evaluation Center, MLR	Deputy Director
60	Huang Renyu	Office of the Mineral Resources and Reserves Evaluation Center, MLR	Deputy Director
61	Ma Yanping	Mineral Resources and Reserves Evaluation Center, MLR	Senior Engineer
62	Liu Yongqiang	Mineral Resources and Reserves Evaluation Center, MLR	Engineer
63	Wang Wanqiong	Mineral Resources and Reserves Evaluation Center, MLR	Engineer
64	Xiu Yanmin	Mineral Resources and Reserves Evaluation Center, MLR	Engineer
65	Guo Na	Mineral Resources and Reserves Evaluation Center, MLR	Engineer
66	Song Han	Mineral Resources and Reserves Evaluation Center, MLR	Engineer
67	Wang Wusheng	Mineral Resources and Reserves Evaluation Center, MLR	Engineer



68	Xie Kechang	Chinese Academy of Engineering	Former Vice-President of CAE, Member of CAE
69	Yi Jian	International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST)	Executive Deputy Director
70	Liu Chang	International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST)	Executive Deputy Secretary-General
71	Liu Hongyang	International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST)	Secretariat
72	Ma Yingchen	International Knowledge Centre for Engineering Sciences and Technology under the Auspices of UNESCO (IKCEST)	Secretariat
73	Tian Yajun	National Institute of Clean-and-Low-Carbon Energy, IKCEST Energy Sub-System	Senior Engineer
74	Chen Ling	Pervasive Computing Lab of the Computer Software Institute, Zhejiang University, IKCEST Research Team	Associate Professor
75	Li Shengxiang	China National Nuclear Corporation	Project Manager
76	Mu Longxin	Research Institute of Petroleum Exploration and Development (RIPED), CNPC	Vice President
77	Wang Yuping	International Affair Department of RIPED, CNPC	Director
78	Yang Hua	General Office of the International Research Center, RIPED, CNPC	Deputy Director



79	Dong Dazhong	NEA Shale Gas Development (experiment) Center in RIPED, CNPC	Deputy Director
80	Wang Yuman	NEA Shale Gas Development (experiment) Center in RIPED, CNPC	Senior Geologist
81	Hou Lianhua	Overseas New Venture Department in RIPED, CNPC	Deputy Director
82	Qi Mei	Overseas New Venture Department in RIPED, CNPC	Deputy Director
83	Zhao Liangdong	Central Asia Department in RIPED, CNPC	Engineer
84	Wang Shuqin	Central Asia Department in RIPED, CNPC	Engineer
85	Liang Tao	Office of the Overseas Strategy and Development Plan Department in RIPED, CNPC	Chief
86	Li Hainan	General Office of the International Research Center, RIPED, CNPC	Deputy Chief
87	Pan Zuyi	General Office of the International Research Center, RIPED, CNPC	Deputy Chief
88	Yang Qifan	General Office of the International Research Center, RIPED, CNPC	Engineer
89	Sheng Yanmin	General Office of the International Research Center, RIPED, CNPC	Engineer
90	Zou Bohua	General Office of the International Research Center, RIPED, CNPC	Engineer
91	Shen Yuchen	Shanghai International Studies University	Interpreter



## GENERAL INFORMATION

### Dining

Breakfast: Buffet Hall, 1<sup>st</sup> Floor in Mengxi Shifu, 7:00 ~ 9:00

Or Buffet Hall in RIPED, 7:00 ~ 8:00

Lunch: Buffet Hall, 3rd Floor, Mengxi Shifu, 12:00 ~ 13:30

Dinner: Buffet Hall, 3rd Floor, Mengxi Shifu, 18:00 ~ 20:00

### Beijing City

Beijing, as the capital of China, is the nation's political and cultural center and is unique in its history, tradition and character. Some 3000 years ago, a small village was born at the southwest of the modern Beijing. From the 12th Century to 1911, it was the capital city for the Jin, Yuan, Ming and Qing Dynasties. Beijing is ever reshaping throughout centuries a thoroughly modern metropolis, covering an area of 16,800 square kilometers and encompassing a population of 22 million. You will find the city an unforgettable destination, with its ancient Great Wall, the Forbidden City and numerous palaces and temples as a reminder of dynasties lost in the mists of time. Moreover, the city has refreshed its character by a growing number of parks, recreational centers, folk shows during holiday celebrations, splendid theaters, and a grand city outlook.

### Weather



Early June in Beijing is sunny and a bit hot. The average daily temperature is about 23°C / 73.4°F , with highs of around 36°C / 97°F and lows of around 11°C / 52°F .

The monthly precipitation is 70mm.

### **Time Difference (Beijing Standard Time)**

Kiev: -5 hours.

### **Insurance**

It is advisable that participants should purchase adequate travel and health insurances before leaving their own countries. The conference organizers do not accept any liability for personal accidents or loss or damage to the private property of any participant during the conference or indirectly arising from attending the conference.

### **Currency Exchange**

The RMB (literally "people's currency") is the legal tender in the mainland of the People's Republic of China. The official abbreviation is CNY, although also commonly abbreviated as "RMB". Money exchange centers can be found at the airport, most hotels and large shopping centers. The exchange rate at present (2014) is roughly US \$1 = 6.10 Chinese RMB. When exchanging money, please keep your exchange memo so that you can convert any remaining Chinese currency back to foreign currency upon leaving China.



Visa, MasterCard, American Express, Diners Club and JCB are accepted in many department stores and hotels. It may be difficult to withdraw cash with credit cards. Banks and most hotels can cash travelers' checks issued by many foreign banks or financial institutions. Participants will need to show their passport and pay a 0.75 percent commission fee. Travelers' checks signed over to a third party cannot be cashed in China, but can be presented for collection through the Bank of China.

## **Transportation**

Transportation in Beijing is convenient with bus, taxi, light rail, subway, etc.

*Bus:* The bus ride in Beijing costs about 1-3 RMB depending on distance.

Most city buses run from 5:30 - 22:00.

*Taxi:* Taxis are everywhere in the city and is the most convenient way to get around. Taxis charge 2.3 RMB per kilometer for the first 15 km, and then 3.45 RMB for every additional kilometer. The base cost is 13 RMB. Toll fee and fuel fee are an extra. It costs around 110RMB to ride by taxi from the airport to the conference venue.

## **Contact Information**

Mr. Li Jian (MLR): 86-10-18601322539

Ms. Yang Hua (RIPED): 86-10-13911626897

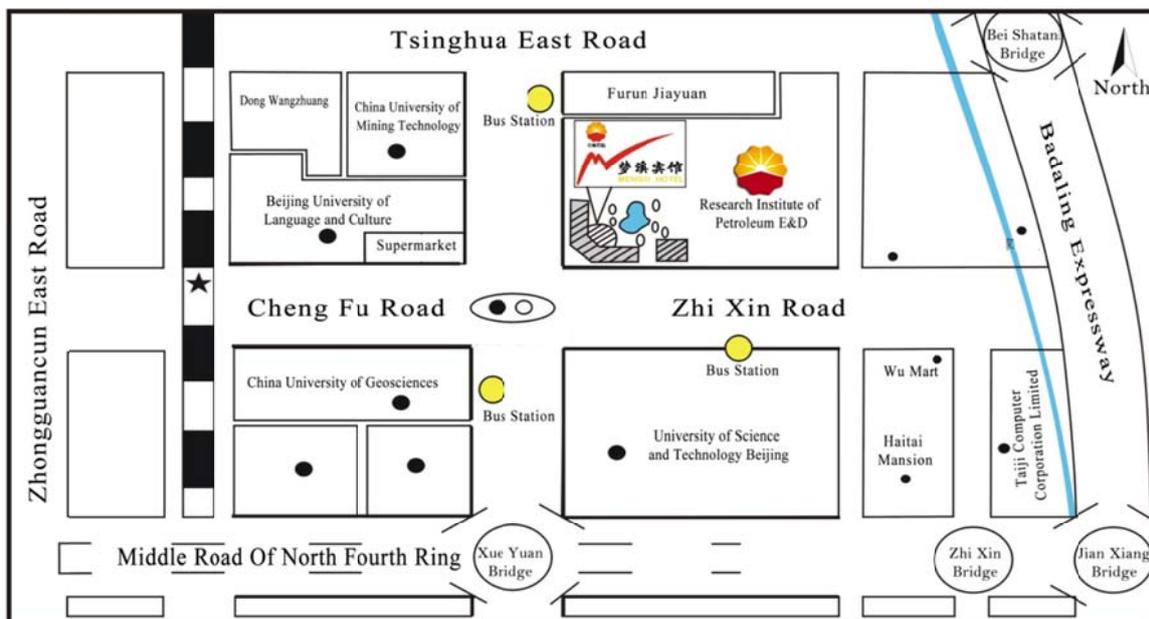
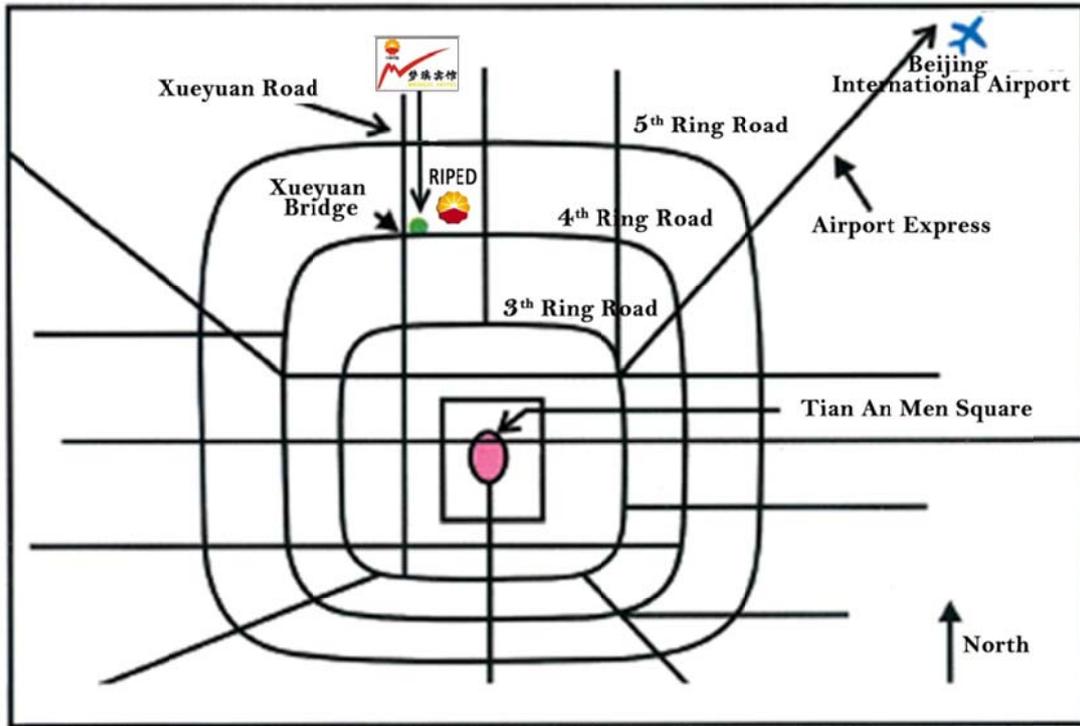
Ms. Victoria Zubok (SCMR): 0038-0989699988

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## WORKSHOP VENUES

### 1. Location Sketch Map



Workshop Venue: Research Institute of Petroleum E&D, No. 20, Xueyuan Road, Haidian District, Beijing.



## 2. Emergency Evacuation Route Diagram

