

THE 17th EAST EURASIA INTERNATIONAL WORKSHOP

*Present Earth Surface Processes and Long-term
Environmental Changes in East Eurasia*

Conference Manual



October 8-12th, 2023, Chin

The 17th East Eurasia International Workshop

Hosted by:

Key Laboratory of Lake and Watershed Water Security, China

Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences

Sponsored by:

Key Laboratory of Lake and Watershed Water Security, China

Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences

Southwest Jiaotong University, China

Japanese Geomorphological Union

Organized by:

Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences

The Fuxianhu Station of Plateau Deep Lake Field Scientific Observation and Research, China

Professional Committee on Ecosystem Evolution, Chinese Association for Quaternary Research

Southwest Jiaotong University, China

Anthropocene and Lake Ecology Research Working Group, Geographical Society of China

Institute of Geology, Mongolian Academy of Sciences, Mongolia

Faculty of Geography, School of Arts & Science, National University of Mongolia

Korea Institute of Geoscience and Mineral Resources, Korea

Institute of Nature and Environmental Technology, Kanazawa University, Japan

Endorsed by:

International Association of Geomorphologists, Science Council of Japan

湖泊与流域水安全重点实验室

Key Laboratory of Lake and Watershed Water Security



中国科学院 南京地理与湖泊研究所

NANJING INSTITUTE OF GEOGRAPHY & LIMNOLOGY CHINESE ACADEMY OF SCIENCES

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1. Conference Synopsis

The purpose of the Workshop is to exchange modern and historical environmental information in the East Asia region for clarifying “Present Earth Surface Processes and Long-term Environmental Changes in East Eurasia” for the better understanding of Earth landscape and climate evolution.

The first International Workshop on Present Earth Surface Processes and Long-term Environmental Changes in East Eurasia was held in Daejeon, Korea (2004), and followed by later in Kanazawa, Japan (2005), Seoul, Korea (2006), Nanjing, China (2007), Hakodate, Japan (2008), Taipei, Taiwan, China (2009), Jeju Island, Korea (2010), Chengdu, China (2011), Kobe, Japan (2012), Kwangju, Korea (2013), Nanjing, China (2014), Taipei, Taiwan (2015), Okinawa, Japan (2016), Novosibirsk, Russia (2017), Busan, Korea (2018) and Ulaanbaatar, Mongolia (2019).

The 17th East Eurasia International Workshop (EEIW) will be held on October 8-12th, 2023, Kunming, China. The objective of the 2023 EEIW aims to present a recent achievement to foster the exchange of information and knowledge, as well as collaborative researches and research networking in the Asian-Western Pacific Regions. This year, about 50 participants coming from China, Russia, France, South Korea, Japan, India and Mongolia will attend the workshop. And there are 23 oral presentations and 8 poster presentations in this workshop. It will bring together both international researchers and representatives of professional organizations to discuss the latest advances in climate changes, ecosystem responses and human adaptation.

Main Topics:

Paleoecology, paleolimnology and paleoenvironment

Present lake-catchment processes: observation and measurement

Present and past environmental changes and natural hazards

Lacustrine sediment chronology

Interaction of natural and human-induced ecosystem changes

Global and regional environmental changes

Modeling and forecasting environment changes

2. Accommodation, Transportation and Registration

➤ Registration:

The registration desk will be open at 9:00 a.m. on October 8th, in the **Lobby of RAMADA Hotel**.

Workshop meeting fees will be 2000 RMB (~290 US\$) for each participant, including registration, lunch, banquet, and workshop media and rooms in RAMADA Hotel but except for accommodations.

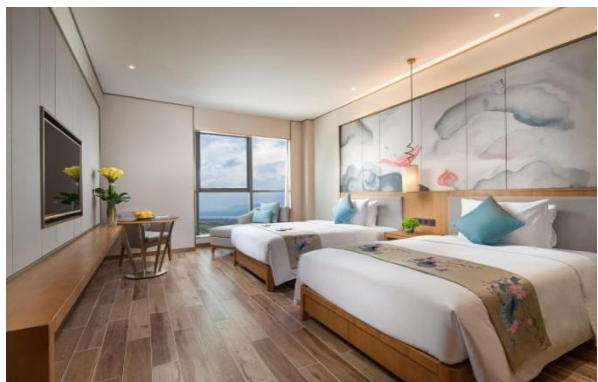
Excursion fees will be 1000 RMB (~145 US\$) for each participant, including 1.5-day trips, tickets, lunch and dinner but except for accommodations.

Note: Registration Fees should be paid in Chinese Yuan (RMB)/e-payment or Credit Card at the registration desk.

➤ Accommodation:

The accommodation hotel is **Fuxian Lake RAMADA Hotel** (Plaza by WYNDHAM). Chinese name of the hotel is 抚仙湖华美达广场酒店. The hotel has reserved rooms according to your registration information. The price (including breakfast) of a senior room (single or double occupancy) is 400 RMB /night and that of a deluxe room (single occupancy) is 500 RMB/night. Accommodation fees should be paid directly to the front desk of the hotels when you check in (RMB or Credit Card).

Hotel Address: No. 29 Xianhu Road, Chengjiang city (澄江市仙湖路 29 号)



Kunming Changshui International Airport (长水国际机场) — Fuxian Lake RAMADA Hotel

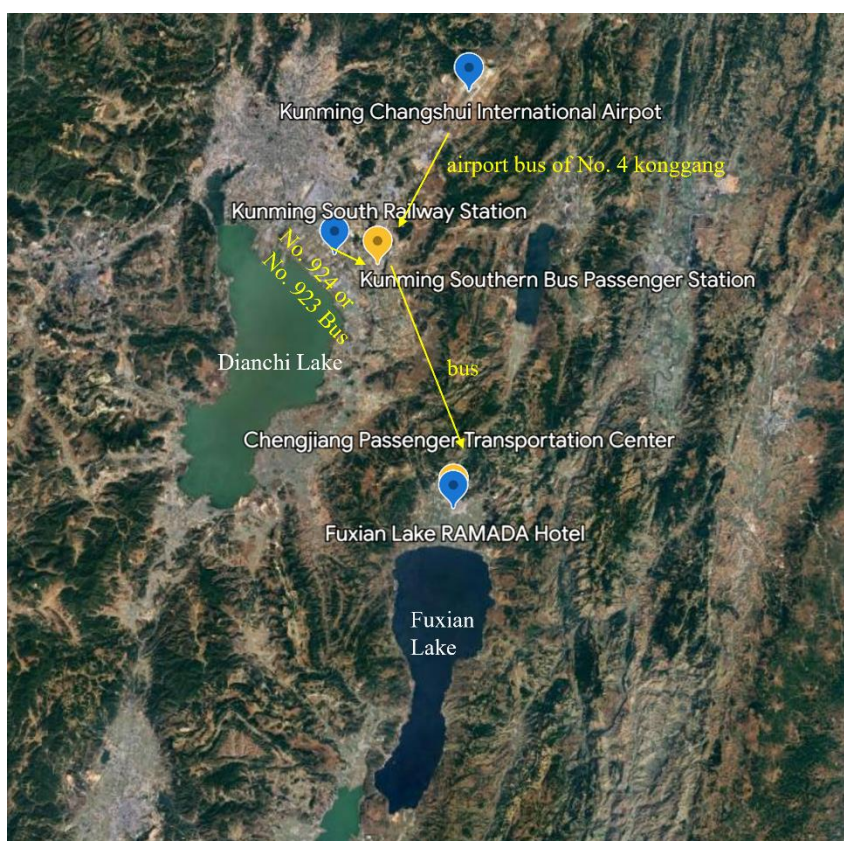
(1) Taxi: It takes about 1 hour (cost around 200 RMB) direct from Kunming Changshui International Airport to Fuxian Lake RAMADA Hotel by taxi.

(2) Public Transport: Firstly, take the airport bus of No. 4 konggang from the Kunming Changshui International Airport to the Kunming Southern Bus Passenger Station (南部客运站) (~25 RMB/person). Then take the bus from Kunming Southern Bus Passenger Station to Chengjiang Passenger Transportation Center (澄江客运中心) (~20 RMB/person). Finally, walk 1 km along Xianhu Road (仙湖路) and get to the Fuxian Lake RAMADA Hotel.

Kunming South Railway Station (昆明南站高铁站) — Fuxian Lake RAMADA Hotel

(1) Taxi: It takes about 40 minutes (cost around 120 RMB) direct from Kunming South Railway Station to Fuxian Lake RAMADA Hotel by taxi.

(2) Public Transport: Take No. 924 or No. 923 Bus from Kunming South Railway Station to the Kunming Southern Bus Passenger Station (南部客运站) (~10 RMB/person). Then take the bus from Kunming Southern Bus Passenger Station to Chengjiang Passenger Transportation Center (澄江客运中心) (~20 RMB/person). Finally, walk 1 km along Xianhu Road (仙湖路) and get to the Fuxian Lake RAMADA Hotel.



3. Scientific Programme

<i>Sunday, October 8th, 2023</i>			
9:00-	Registration Opens & Check In (Lobby of RAMADA Hotel)		
19:00-	Ice-breaking Party (Third floor)		
<i>Monday, October 9th, 2023 Conference Room: Huaye (华业厅), Third Floor</i>			
Time	Title	Presenters	Affiliation
8:30-9:00	Welcome Talks		
9:00-9:30	Progress in Paleolimnology of Northern Asia (Keynote)	Sergei Krivonogov	Southwest Jiaotong University
9:30-10:00	Regime Shift of Lake Ecosystems in China (Keynote)	Rong Wang	Nanjing Institute of Geography and Limnology, CAS
10:00-10:20	Diatom-inferred Geomorphological Changes in Relation to Holocene Sea-level Fluctuations and Delta Progradation in Lagoonal Environments of the Lzumo Plain, Japan	Kota Katsuki	Shimane University
10:20-10:40	Study of Lake Ecosystem Evolution: A New Perspective on Coupling Paleolimnology Records and Ecological Modeling	Xiangzhen Kong	Nanjing Institute of Geography and Limnology, CAS

10:40-11:00	Tea Break & Group photo		
11:00-11:20	Artificial Impacts Printed in Lacustrine Sediments	Kenji Kashiwaya	Kanazawa University
11:20-11:40	Early Agriculture and Human Effects in Inland Asia	Xinying Zhou	Institute of Vertebrate Paleontology and Paleoanthropology, CAS
11:40-12:00	Historical Land Use and Land Cover Changes Reconstruction Using Historical Documents for China	Xuezhen Zhang	Institute of Geographic Sciences and Natural Resources Research, CAS
12:00-14:00	Lunch Break (Hehua dining hall on the fifth floor) (荷花厅)		
14:00-14:30	Reconstruction of the Late Quaternary Lake Level Change in Ology Lake Basin, Mongolia, Based on Paleo-lake Sediment Analyses (Keynote)	Noriko Hasebe	Kanazawa University
14:30-15:00	A New Biologic Paleoaltimetry Indicating Late Miocene Rapid Uplift of Northern Tibetan Plateau (Keynote)	Yunfa Miao	Northwest Institute of Eco-Environment and Resources, CAS
15:00-15:20	Patterns of Last-deglacial Diatom-inferred Summer Temperature Variability and Ecological Thresholds in The Alpine Lakes From Southeastern Margin of The Tibetan Plateau	Qian Wang	Nanjing Institute of Geography and Limnology, CAS
15:20-15:40	Absolute Age Dating of Quaternary Archaeological Site, Hantan River Area, South Korea	Jin Cheul Kim	Korea Institute of Geoscience and Mineral Resources
15:40-16:00	Radiocarbon Age Offset of Lake Sediments From Central Eastern China Modulated by Both Hydroclimate and Human Activity	Shiwei Jiang	University of Science and Technology of China

16:00-16:20	Tea Break & Poster Sessions		
16:20-16:40	“Abnormal” Changes in East Asian Winter Monsoon During MIS 8 as Recorded in Chinese Loess and The Implications for Ice Age Dynamics	Qingzhen Hao	Institute of Geology and Geophysics, CAS
16:40-17:00	Fundamental Shift From Summer to Winter of Holocene Rainfall Regime in The Tropics	Jun Cheng	Nanjing University of Information Science and Technology
17:00-17:20	On the Biodiversity of Diatom Communities in Lakes of East China: Geochemical Effects Dominated after Eutrophication	Yanjie Zhao	Nanjing Institute of Geography and Limnology, CAS
17:20-	Online Presentations		
18:00	Symposium Dinner (Chinese Dining Room, Fourth Floor)		
<i>Tuesday, 10th October, 2023 Conference Room: Huaye (华业厅), Third Floor</i>			
Time	Title	Presenters	Affiliation
8:30-9:00	Palaeoenvironments of Lake Issyk-Kul (Kyrghizstan) (Keynote)	Suzanne Leroy	Aix-Marseille University, France

9:00-9:30	How to Adapt to Sea Level Rise (Keynote)	Wook-Hyun Nahm	Korea Institute of Geoscience and Mineral Resources
9:30-9:50	Hydroclimate Reconstruction Derived from Chinese Historical Documents for The Past 1000 Years	Zhixin Hao	Institute of Geographic Sciences and Natural Resources Research, CAS
9:50-10:10	On The Glacial-interglacial Variability in Speleothem $\delta^{18}\text{O}$ Records Across Eurasia Continent	Guangxin Liu	Yunan University
10:10-10:30	Human Activities Facilitated the Decline of Forest Ecosystem in East Asia After 5000 a B.P.	Hao Long	Nanjing Institute of Geography and Limnology, CAS
10:30-10:50	Tea Break & Poster Sessions		
10:50-11:10	New Methodology For Studying Ancient Mountain Glaciation	Sergei Krivonogov	Southwest Jiaotong University
11:10-11:30	$\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ Values of Benthic Foraminifera in The Nakdong River Delta (Southeast Korea): Hydrography Along The Upper and Lower Delta Plains During The Delta Evolution	Boo-Keun Khim	Pusan National University
11:30-11:50	The Vertical Distribution of Modern Pollen in The Southeastern Edge of Tibetan Plateau, China	Changting Chi	Nanjing Institute of Geography and Limnology, CAS
12:00-14:00	Lunch Break (Hehua dining hall on the fifth floor) (荷花厅)		
14:00-16:30	Visiting the Fuxianhu Station of Plateau Deep Lake Research & Lakeside Wetland		
18:00-	Buffet Dinner (Hehua dining hall on the fifth floor) (荷花厅)		

<i>Wednesday, 11th October, 2023</i>	
9:00-12:00	Field excursion of karst landform (Stone Forest World Geopark)
12:00-13:30	Lunch
13:30-16:00	Field excursion of Cambrian paleontology (Chengjiang Fossil Land & Station)
18:00-21:00	Buffet Dinner (Hehua dining hall on the fifth floor) (荷花厅)
<i>Thursday, 12th October, 2023</i>	
Departure	

Poster Sessions:

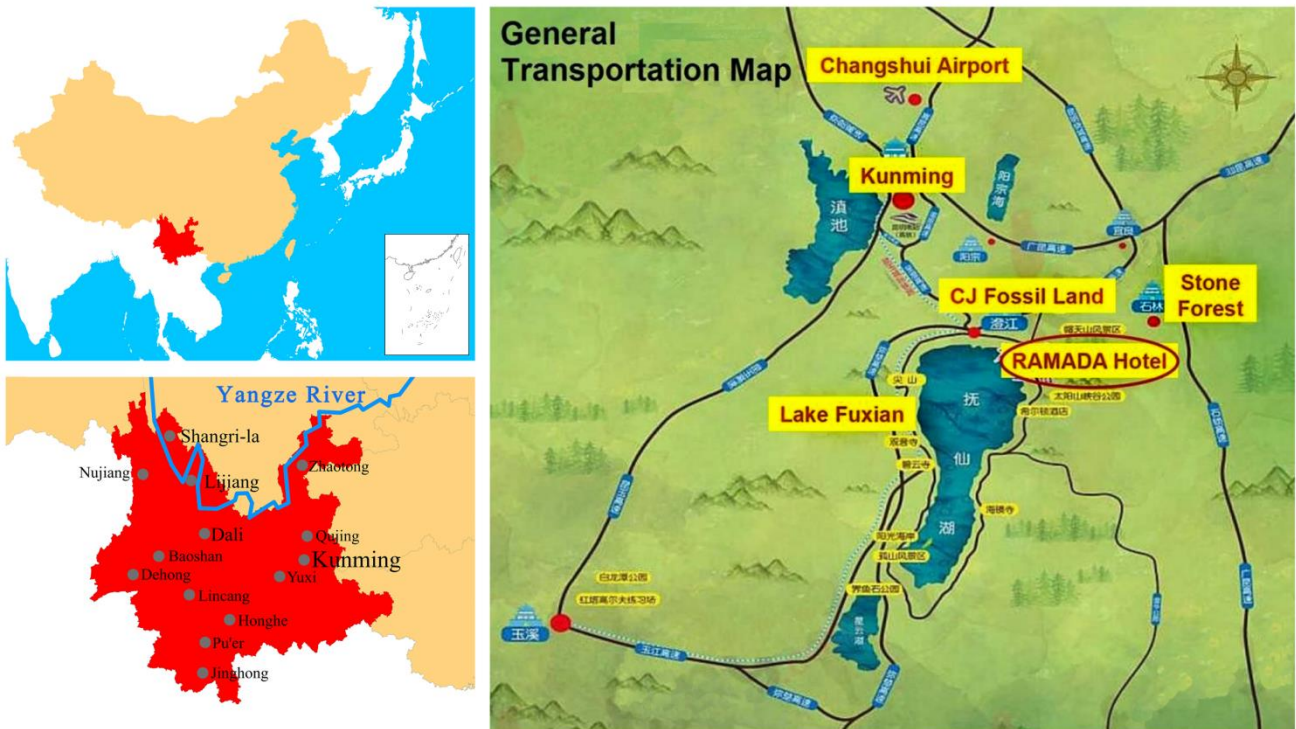
Title	Presenters	Affiliation
Luminescence Properties of A Calcite Stalagmite from Okgye Cave in South Korea	Jihye Kim	Kangwon National University
An Improved Method of Measuring Stacking Patterns in Calcite Stalagmites	Jungwon Choi	Kangwon National University
A Preliminary Study on Speleogenesis in South Korea: Neobaeng-I Cave and Baeg-nyong Cave	Sunyuul Kwon	Kangwon National University

Identifying Climatic Niches of Fossil Pollen Taxa	Chang-Pyo Jun	Chonnam National University
The Age of East Diversion Event of The Hii River and The Resulting Changes in The Sedimentary System of Lake Shinji, Japan	Koji Seto	Shimane University
Relationship Between Development Periods of Coastal Sand Dunes and Climate-environmental Factors	Min Han	Korea Institute of Geoscience and Mineral Resources
Accumulative Deformation Characteristics of Saline Soils in Lop Nur Under Freeze-thaw Cycles	Maoji Fan	Southwest Jiaotong University
Identification of Lithology by Means of Hyperspectral Signature Analysis for The Upper Part of The Tianchuan River Basin, Hengduan Mountains, Sichuan, China	Yudong Lv	Southwest Jiaotong University

4. Field Excursions

The field excursions contain visiting the Fuxianhu Station of Plateau Deep Lake Research & Lakeside Wetland in the afternoon of October 10th, karst landform of Stone Forest World Geopark in the morning of October 11th, and Cambrian paleontology of Chengjiang Fossil Land & Station in the afternoon of October 11th.

Maps for Yunnan province and the workshop



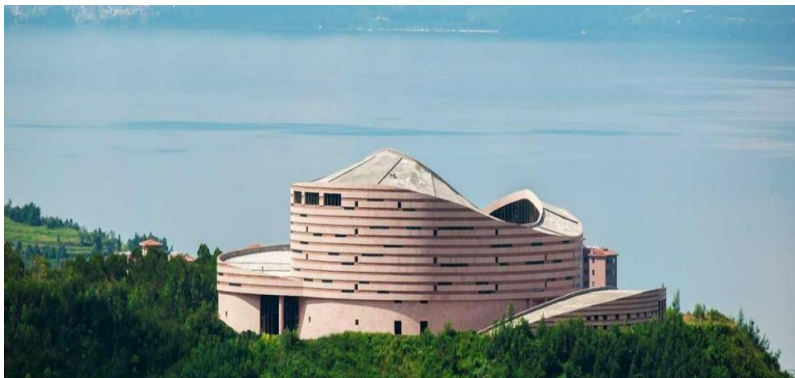
Lake Fuxian & The Fuxianhu Station of Plateau Deep Lake Research



The first-deepest plateau lake in China, max ~158 meters deep, water area of 216 km², catchment of 1053 km².



The Chengjiang Fossil Land Museum & Paleontology Research Station



China's first and the only Fossil World Heritage in Asia, the core area for the preservation of Chengjiang biota fossil, a perfect witness to the rapid radiative evolution of life on early Cambrian marine ecosystems 518 million years ago.

Stone Forest World Geopark



A spectacular set of limestone groups and the representative of south China's karst landscape. Known since the Ming Dynasty (1368-1644 CE) as the "First Wonder of the World", it is one of the most important attractions of Yunnan.

5. Local Contacts

Chairman:

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6. List of Participants

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