



The 7th International Forum on Watershed Ecological Security

The safety of drinking water is very important, which is related to the life and health of the people and the harmony and stability of the society, and the ecological security of the water source is the premise to ensure the safety of drinking water. The protection of drinking water sources involves multidisciplinary collaboration and multi-departmental cooperation. Whether it is the maintenance of ecological security of water sources, the protection of watershed ecological health, the construction of digital twin water networks in watersheds, or the construction of smart water conservancy, all require sound technical support. To further strengthen the protection of aquatic ecosystems, solidify the ecological security barrier for water sources, safeguard basin ecological health, promote the development of digital twin water networks for river basins, and establish ecological databases and intelligent management platforms for river basins, the "The 7th International Forum on Watershed Ecological Security" was jointly organized by Nanyang Normal University, the Water Resources Professional Committee of the Chinese Natural Resources Society, the Ecological Water Conservancy Professional Committee of the Chinese Water Conservancy Society. It was co-hosted by institutions including



the National Foreign Expert Base for Basin Ecological Security of the Central Route Water Source Area of the South-to-North Water Diversion Project, the South-to-North Water Diversion College and the College of Water Resources and Modern Agriculture, the Joint Laboratory of Water Culture and Water Resources of the Central Route Water Project in Henan Province, the Key Laboratory of Ecological Security for the Central Route Water Source Area of the South-to-North Water Diversion Project in Henan Province, the International Joint Laboratory of Basin Ecological Security for the Central Route Water Source Area of the South-to-North Water Diversion Project in Henan Province, and the Henan Provincial Collaborative Innovation Center for Water Safety in the Central Route Water Source Area of the South-to-North Water Diversion Project. The conference was held from July 10 to 13, 2026, at Nanyang city in Henan Province, the location of the headworks of the Central Route of the South-to-North Water Diversion Project.

Meeting Theme:

Protecting water resources as the lifeblood and jointly ensuring basin security: Water ecosystem restoration and green development from a global perspective.

academic board :

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Academician Hao Wang, China Institute of Water Resources and



Hydropower Research

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Professor Yan Huang, Three Gorges University

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Committee: (in alphabetical order by surname)

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Professor Ho-Dong Park, Shinshu University (Japan)

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Professor Renhui Li, Wenzhou University

Professor Yuping Han, North China University of Water Resources

and Electric Power

Professor Xuejun Li, Henan Normal University

Professor Yiping Li, Hohai University

Professor Yuying Li, Nanyang Normal University

Professor Defu Liu, Hubei University of Technology

Professor Jianchao Liu, Hohai University

Professor Rentao Liu, Ningxia University

Professor Xianliang Liu, China South-to-North Water Diversion

Group Central Route Co., Ltd./Nanyang Normal University

Professor Zhaowei Liu, Tsinghua University



Researcher Dongsheng Liu, Nanjing Institute of Water Resources
Research

Professor Liancong Luo, Jiangxi University of Water Resources and
Electric Power

Professor Pengcheng Qi, Nanyang Normal University

Professor Songhao Shang, Tsinghua University

Professor Qiyuan Sun, Fujian Normal University

Professor Jinxī Song, Northwest University

Professor Mei Sun, Hebei Provincial Water Resources Research
Institute

Professor Weiling Sun, Peking University

Professor Bing Tan, Nanyang Normal University

Professor Fuqiang Wang, North China University of Water
Resources and Electric Power

Professor Huiliang Wang, Zhengzhou University

Researcher Yuchun Wang, China Institute of Water Resources and
Hydropower Research

Professor Wei Wei, Research Center for Eco-Environmental Sciences,
Chinese Academy of Sciences

Researcher Wu Zhenbin, Institute of Hydrobiology, Chinese
Academy of Sciences

Researcher Shengjun Wu, Chongqing Institute of Green and



Intelligent Technology, Chinese Academy of Sciences

Professor Naicheng Wu, Ningbo University/Kiel University
(Germany)

Researcher Dan Xu, Editorial Department of "South-to-North Water
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Professor Hongbin Xu, Zhengzhou University

Professor Jianling Xu, Hainan Tropical Ocean University

Professor Mengzhen Xu, Tsinghua University

Professor Jun Xu, Nanyang Normal University

Researcher Yunping Yang, Tianjin Water Transport Engineering
Research Institute, Ministry of Transport

Professor Changming Yang, Tongji University

Professor Zhengjian Yang, Zhengzhou University

Professor Haihan Zhang, Xi'an University of Architecture and
Technology

Researcher Xuezhi Zhang, Institute of Hydrobiology, Chinese
Academy of Sciences

Researcher Yi Zhang, Institute of Hydrobiology, Chinese Academy
of Sciences

Researcher Yong Zhao, China Institute of Water Resources and
Hydropower Research

Researcher Jinyong Zhao, China Institute of Water Resources and



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Dr. Yixuan Li, Nanyang Normal University

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Secretary, Baofeng Zhang, Nanyang Normal University

President Yongsong Luo, Nanyang Normal University

Academician B.Larry Li, University of California, Riverside (United States)

The former deputy director Xianliang Liu, China South-to-North Water Diversion Middle Route Corporation Limited

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Associate president, Yan Wang, Nanyang Normal University

Associate president, Haiquan Xie, Nanyang Normal University

Associate president, Jinjiang Liu, Nanyang Normal University

Associate president, Feng Leng, Nanyang Normal University

Associate president, Lunguang Yao, Nanyang Normal University



committee member :

Ting Li, Yang Yang, Yaoyi Zhang, Peng Cao, Yuying Li, Bing Tan, Pengcheng Qi, Jun Xu, Zhaojin Chen, Miao Zhang, Hengjie Zhang, Zonghua Wang, Hui Han, Gengmin Jiang, Jie Yang, Wei Chang

Hosts:

Nanyang Normal University

Basin Ecology Professional Committee of Ecological Society of China

Water Resources Professional Committee of Chinese Natural Resources Society

Regional Ecology Committee of the China Ecological Society

organizer :

Nanyang Normal University

Foreign Experts Base for Ecological Security in the Watershed of the Central Route Water Source Area of the National South-to-North Water Diversion Project

Nanyang Normal University, College of South-to-North Water Diversion/ College of Water Resources and Modern Agriculture

Nanyang Normal University, Joint Laboratory of Water Culture and Water Resources for the Central Route Project of the South-to-North Water Diversion Program in Henan Province



Nanyang Normal University, Key Laboratory of Ecological Security
in the Water Source Area of the Middle Route of the South-to-North
Water Diversion Project in Henan Province

Nanyang Normal University, International Joint Laboratory for
Ecological Security in the Watershed of the Middle Route Water Source
Area of the South-to-North Water Diversion Project in Henan Province

Nanyang Normal University, Henan Provincial Collaborative
Innovation Center for Water Security in the Water Source Area of the
Middle Route of the South-to-North Water Diversion Project

co-organizer :

China South-to-North Water Diversion Middle Route Co., Ltd.

South-to-North Water Diversion Middle Route Water Source Co.,
Ltd.

Henan Provincial South-to-North Water Diversion Canal Head
Ecological Environment Monitoring and Emergency Center

Xichuan County Water Quality Protection Center

Xi'an University of Technology, National Key Laboratory of
Ecological Environment for Water Engineering in Arid Regions

Hehai University – National Foreign Expert Base for
Comprehensive Management of Water Environment and Ecological
Restoration in River Basins



Qinghai University, National Foreign Experts Base for Ecological Evolution and Restoration Protection Technologies in the Sanjiangyuan Region

Xi'an University of Technology, National Foreign Expert Base for Ecological Water Resources in the Dry Regions of Northwest China

Xi'an University of Architecture and Technology; National Foreign Experts Base for Water Pollution Control Technologies in the Middle and Upper Reaches of the Yellow River

North China University of Water Resources and Electric Power; National Foreign Expert Base for Water Resource Evolution and Intelligent Regulation

Ningbo University, National Expert Base for Water System Safety in Coastal Cities

Ningbo University, Zhejiang–Germany Joint Laboratory for Coastal Zone Ecology Remote Sensing

Henan Provincial Science and Technology Innovation Promotion Center

Henan Province Academician and Expert Work Promotion Association

Zhengzhou University, China-UK Resources and Environment Association China Committee

Zhengzhou University, International Joint Laboratory for Water Cycle Simulation and Water Environment Protection in Henan Province



Henan Institute of Technology, Research Center for the South-to-North Water Diversion Project and the Ecological Environment of the Yellow River Basin

Henan Normal University, Field Scientific Observation and Research Station for Water Ecosystems in the Danjiangkou Reservoir Area of Henan Province

Nanyang Normal University, Field Scientific Observation and Research Station for the Wetland Ecosystem at the Head of the Middle Route of the South-to-North Water Diversion Project in Henan Province

Nanyang Normal University, School of Mathematics and Statistics

Nanyang Normal University, Henan Provincial Center for Applied Mathematics

Nanyang Normal University, Nanyang Development Strategy Research Institute

Nanyang Normal University, Guangdong-Hong Kong-Macao Greater Bay Area Research Institute

Editorial Board of Lake Science

Editorial Department of "Water Resources Protection"

Editorial Board of "South-to-North Water Diversion and Water Conservancy Technology"

Editorial Board of the Journal of Water Ecology

Editorial Board of the Journal of North China University of Water Resources and Electric Power (Natural Sciences Edition)

Editorial Board of the Journal of Nanyang Normal University



Danjiangkou City South-to-North Water Diversion Research Institute

Henan Mengma Agricultural Technology Co., Ltd.

Henan Chungen Qiushou Industrial Development Co., Ltd.

Henan Nanshui Beinian Liquor Co., Ltd.

Xichuan County Xiangchu Modern Agriculture Co., Ltd.

Zhengzhou Fuming Technology Co., Ltd.



Meeting Guidelines

Welcome to the 7th International Conference on Ecological Security in River Basins. To ensure your smooth work and pleasant stay during the event, we hereby provide the following details:

1. Conference Registration Arrangements

Meeting registration period: All day on July 10, 2026.

Meeting registration location (accommodation): First-floor lobby, Building 3, Nanyang Hotel, No.1420 Binhe Road, Wolong District, Nanyang City, Henan Province, China; Tel: +86-377-63322288.

Meeting registration procedure: (1) Check in for the meeting; (2) Pay the conference fee; (3) Collect required materials; (4) Register for accommodation at the front desk.

Meeting venues: Science and Technology Building of Nanyang Normal University and Nanyang Hotel.

2. Meeting Schedule

date	time	content
July 10 (Friday)	all day long	Meeting Registration and On-Site Registration
	18:30-22:00	Graduate students forum
July 11 (Saturday)	08:30-12:10	Opening Ceremony and Special Invited Lecture
	14:00-18:20	Sub-venue reports
	18:30-21:00	Welcome to the banquet, the graduate student presentations, and the award



		ceremony for the wall posters.
July 12 (Sunday)	08:30-12:20	Special Invited Lecture and Closing Ceremony
	14:30-18:00	National Expert Base for Ecological Security in the Watershed of the Middle Route Water Source Area of the South-to-North Water Diversion Project Mid-term Construction Expert Consultation Meeting
July 13 (Monday)	all day long	Special Session for Foreign Experts Bases



3. Meal Schedule

(1) Breakfast is served as a buffet and can be enjoyed using your hotel accommodation card.

(2) Lunch and dinner will be served on the second floor of Building 3 at Nanyang Hotel, upon presentation of the conference meal ticket. Specifically, lunch on July 11th and 12th will be held on the second floor of the Central District Restaurant at Nanyang Normal University; dinner on July 11th will be held in the central hall on the first floor of the VIP Building (Building 4) at Nanyang Hotel.

(3) For arrangements regarding halal meals, please contact Mr. Yan Hailong at +86-13487096520.

4. Kind tips

(1) The Nanyang Hotel and the Nanyang Normal University venue will be served by a unified shuttle bus, departing at 7:40 AM from in front of the VIP Building; students from the university will take a shuttle bus back to the hotel from in front of the Science and Technology Building, with volunteers providing guidance.

(2) During the meeting, please sit in your designated seats and maintain order. All participants must enter the venue 10 minutes early and set their mobile phones to silent mode.

(3) Please arrange your itinerary based on the return date.

5. Weather in Nanyang during the meeting



07-05星期日  25~35°C 多云	07-06星期一  26~34°C 多云	07-07星期二  26~35°C 小雨转中雨	07-08星期三  27~34°C 小雨	07-09星期四  27~36°C 多云	07-10星期五  26~35°C 多云转晴	07-11星期六  26~37°C 多云
07-12星期日  27~37°C 多云	07-13星期一  27~36°C 多云转晴	07-14星期二  27~42°C 晴转小雨	07-15星期三  26~33°C 多云	07-16星期四  26~33°C 多云	07-17星期五  26~33°C 多云	07-18星期六  25~32°C 小雨

6. Conference Organization Team

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Wall newspaper and exhibition showcasing the achievements of the South-to-North Water Diversion Project:

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Weifang Zuo, 15565782025, zwf@163.com

7. Conference Services

(1) Conference services are located in the lobby of Building 3 at Nanyang Hotel. Hotel front desk phone: +86-377-63322288; conference contact: Mr. Yan Hailong, phone: 13487096520.



(2) Medical insurance coverage from July 10 to 12

date	time	Guaranteed Location	doctor	nurse
July 10 (Fri)	13:50-20:00	First-floor lobby of Building 3, Nanyang Hotel	Wenfeng Lu 13849778315	Zhen Li 18338267769
July 11 (Sat)	07:50-11:30	First floor of the Technology Building	Yao Liu 13903800070	Sui Shi 15237797166
	13:50-20:00			
July 12 (weekday)	07:50-11:30		Juan Wang 15036206415	Jialei Liu 15036268275
	13:50-20:00			

remarks :

1. Preparation of commonly encountered diseases, frequently occurring conditions, trauma-related medications, as well as heatstroke prevention and relief drugs;
2. If participants exhibit symptoms, provide immediate management; if unable to manage or symptoms are severe, call 120.
3. Contact person for the "Foreign Expert Base": Professor Yan Hailong, Tel.: +86-13487096520;
Contact person for the university hospital: Ms. Yang Juyue, Tel: +86-15937702868.



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I. Forum Agenda

July 10 (Friday)

All-Day Meeting Registration

From 18:30 to 22:00, special session for graduate students

July 11 (Saturday)

The morning session includes the opening ceremony and special invited presentations.

08:00–08:20 Opening ceremony of the meeting and speeches by leaders

08:20–08:30: Group photo for everyone

08:30–10:30 Special invited presentations at the conference

10:30–10:40 Tea break

10:40–12:10 Special invited presentations at the conference

12:10–14:00 Lunch

Afternoon Session Reports (4 parallel sessions)

14:00–15:40 Conference Report

15:40–15:50 Tea break

15:50–18:20 Meeting Report

18:30–21:00: Welcome dinner, graduate student presentations, and award ceremony for poster displays.

July 12 (Sunday)

Morning sessions include special invited presentations and a closing ceremony.

08:00–10:00 Special invited presentations at the conference

10:00–10:10 Tea break

10:10–12:10 Special invited presentations at the conference

12:10–12:20 Closing ceremony of the meeting

12:20–14:00 Lunch

afternoon Expert Consultation Meeting on the Mid-term Progress of the "National South-to-North Water Diversion Project Central Route Water Source Area Basin Ecological Security Foreign Experts Base"

July 13 (Monday)



At the end of the international conference throughout the day, a special session was held at the Foreign Experts Base.

II. Opening Ceremony, Keynote Speech, and Closing Ceremony

July 11	
Opening Ceremony and Special Invited Lecture (Academic Lecture Hall, First Floor of the Science and Technology Building, Nanyang Normal University)	
Host of the opening ceremony: Xie Haiquan, Vice President of Nanyang Normal University	
08:00-08:05	Speech by Baofeng Zhang, Secretary of Nanyang Normal University
08:05-08:10	Speech by the leaders of the Human Resources and Social Security Department of Henan Province
08:10-08:15	Speech by the Leadership of China South-to-North Water Diversion Group Middle Route Co., Ltd.
08:15-08:20	Address by Academician B. Larry Li from the University of California, Riverside
08:20-08:30	Take a group picture



July 11: First Session of the Conference Report (Special Invited Lecture)

Host: Academician B. Larry Li from the University of California, Riverside

Professor Songhao Shang, Tsinghua University

**(Academic Lecture Hall, First Floor of the Science and Technology Building,
Nanyang Normal University)**

time	Report Title	reporter	uni
08:30-09:00	Watershed Stewardship via Common Asset Trusts	Academician Robert Costanza	University College London
09:00-09:30	Ecological Observations and Key Insights from Ultra-long-Distance Water Transfer Projects Across Different River Basins	Academician Yongding Liu	Institute of Hydrobiology, Chinese Academy of Sciences
09:30-10:00	Assessing the Interconnectedness of Water, Food and Biodiversity by Ecohydrological Modelling	Professor Nicola Fohrer	University of Kiel, Germany
10:00-10:30	New Pollutant Constructed Wetland Water Purification Technology and Application	Professor Jian Zhang	Shandong Normal University
10:30-10:40	Tea break and poster exchange session (in the lobby on the first floor of the Science and Technology Building)		
<p>Host: Professor Nicola Fohrer from the University of Kiel, Germany</p> <p>Professor Lei Chen, Beijing Normal University</p> <p>(Academic Lecture Hall, First Floor of the Science and Technology Building, Nanyang Normal University)</p>			
10:40-11:00	Evolution Mechanisms and Adaptive Regulation of the Mutual Feedback Process Between Hydrological and Aquatic Ecological Systems in Reservoirs within Eucalyptus Plantation Areas	Yiping Li	Hohai University
11:00-11:20	Water-related carbon neutrality and water security assurance	Researcher Yuchun Wang	China Institute of Water Resources and Hydropower Research
11:20-11:40	Characteristics and Causes of Water Quality Changes in the Main Stream of the Yellow River Based on Multi-source Remote Sensing Data from 2015 to 2025	Professor Shuanggen Jin	Henan Polytechnic University
11:40-12:00	Water Quality Protection for the Middle	Professor-lev	China



The 7th International Forum on Watershed Ecological Security

	Route of the South-to-North Water Diversion Project	el Senior Engineer Zhibin Chang	South-to-North Water Diversion Group Central Route Co., Ltd.
12:00-12:10	Summary by Academician B. Larry Li from the University of California, Riverside		
12:10-14:00	Lunch (2nd floor, Central Restaurant of Nanyang Normal University)		



July 11: Second Session of the Meeting Report (Non-point Source Pollution in River Basins and Ecological Security Barriers)

Host: Professor Lei Chen from Beijing Normal University

Professor Jianguang Qin from Flinders University in Australia

Researcher Hai Xu, Institute of Geography and Limnology, Chinese Academy of Sciences, Nanjing

Associate Professor Hui Han, Nanyang Normal University

(Lecture Hall 232, Second Floor of the Science and Technology Building, Nanyang Normal University)

time	Report Title	reporter	uni
14:00-14:30	Ecological control technologies for non-point source pollution in river basins and their application models across various scenarios	Professor Jiake Li	Xi'an University of Technology
14:30-15:00	Practical Applications and Outcomes of Grassland Ecological Restoration Technologies on the Qinghai-Tibet Plateau	Professor Xilai Li	Qinghai University
15:00-15:20	Climate Change and Watershed Ecological Security: Extreme Rainfall Dynamics and Synergistic Mitigation Strategies	Researcher Hai Xu	Nanjing Institute of Geography and Lakes, Chinese Academy of Sciences
15:20-15:40	Research on the Ecological Effects of Land Degradation and Vegetation Restoration in Typical Ecologically Fragile Areas	Researcher Changjia Li	Beijing Normal University
15:40-15:50	Tea break and poster exchange session (in the lobby on the first floor of the Science and Technology Building)		
15:50-16:10	The Water-Carbon-Food-Energy Service Effects and Coupling Mechanisms of Terraced Field Systems in the Loess Basin	Researcher Wei Wei	Ecological Environment Research Center, Chinese Academy of Sciences
16:10-16:30	Planetary Water Redistribution in the Anthropocene	Professor Jianguang Qin	Flinders University, Australia
16:30-16:50	Ecological Control Technologies for Non-point Source Pollution in Small Watersheds	Senior Engineer Chao Wang	Yangtze River Water Resources Protection Science Research Institute



16:50-17:10	Research on the Cross-Media Migration and Transformation Characteristics of Antimony Elements in Slag Storage Sites and High-Efficiency Treatment Technologies	Professor Hongbin Xu	Zhengzhou University
17:10-17:30	Analysis of changes in water quality parameters of Luhun Reservoir before and after wetland restoration projects	Associate Researcher Zheng Wang	Institute of Geography, Henan Academy of Sciences
17:30-17:50	Research, Development, and Application of the Pulse Composite Dewatering Process for Rural Domestic Wastewater Treatment	Associate Professor Yifeng Wu	Southeast China University
17:50-18:10	The regulatory role of antibiotic-degrading drug resistance genes in shaping antimicrobial resistance development within microbial communities	Doctor Liying Zhang	Zhengzhou University
18:10-18:20	Summary by Professor Lei Chen from Beijing Normal University		

Third Session Report of the Conference (Diagnosis of Aquatic Ecological Health and Safety Thresholds)

Host: Yonghong Bi, Researcher at the Institute of Hydrobiology, Chinese Academy of Sciences

Professor Jingqing Gao, Zhengzhou University

Professor Daobin Ji, Sanxia University

Professor Haihua Li, North China University of Water Resources and Electric Power

(Lecture Hall 235, Second Floor of the Science and Technology Building, Nanyang Normal University)

14:00-14:30	Planktonic processes and food web structure/dynamics in shallow ponds, with special reference to cyanobacterial bloom	Professor Shin-ichi Nakano	Kyoto University
14:30-15:00	Research on Water Quality Purification Technologies for Artificial Wetlands	Professor Jingqing Gao	Zhengzhou University
15:00-15:20	The mechanism by which the transformation of DOM molecular components in photoguided water source reservoirs affects volatile DBPs	Professor Qiyuan Sun	Fujian Normal University



15:20-15:40	Existing Problem and Future Work for Prediction System of Algal Bloom and Water Quality: A Case Study of Lake Dianchi	Professor Liancong Luo	Jiangxi University of Water Resources and Electric Power
15:40-15:50	Tea break and poster exchange session (in the lobby on the first floor of the Science and Technology Building)		
15:50-16:10	Environmental Dynamics and Advanced Mitigation Technologies for Microcystin-Producing Cyanobacterial Blooms	Professor Ho-Dong Park	Shinshu University, Japan
16:10-16:30	Experimental approaches to improving water quality	Professor Beata Messyasz	Adam Mickiewicz University in Poznan, Poland
16:30-16:50	Research on a reservoir algal bloom early warning method based on dissolved gas components	Professor Zhengjian Yang	Zhengzhou University
16:50-17:10	Development and Application of a Prediction Model for the Impact of Sudden Water Environment Incidents at Danjiangkou Reservoir	Senior Engineer Fengpeng Bai	Yangtze River Water Resources Protection Science Research Institute
17:10-17:30	Seasonal Rebalancing and Cross-domain Network Reconstruction of Microbial Communities in Eutrophic Lakes	Associate Professor Shanmei Zou	Agricultural University Of Nanjing
17:30-17:50	The impact of submerged plant restoration on interspecific relationships among plankton species	Associate Researcher Yuxiang Yuan	Institute of Northeast Geography and Agricultural Ecology, Chinese Academy of Sciences
17:50-18:10	Assessment of the Water Ecological Condition and Driving Factors in the Wuding River Basin	Doctor Xueping Wang	Chang'an University
18:10-18:30	Research on the feeding characteristics, environmental adaptation mechanisms, and ecological impacts of the peach blossom jellyfish	Doctor Hailong Yan	Nanyang Normal University
18:30-18:40	Summary by Researcher Yonghong Bi, Institute of Hydrobiology, Chinese Academy of Sciences		
July 11: Fourth session of the meeting report (Ecological restoration and resilience enhancement of the receding zone)			



Host: Zhenbin Wu, Researcher at the Institute of Hydrobiology, Chinese Academy of Sciences

Professor Yaqian Zhao, University of Dublin, Ireland

Professor Jie Gong, Tongji University

Professor Pengcheng Qi, Nanyang Normal University

Distinguished Professor Zhaojin Chen, Nanyang Normal University

(Lecture Hall 237, Second Floor of the Science and Technology Building, Nanyang Normal University)

time	Report Title	reporter	uni
14:00-14:30	Buffer zones: lake protection in the context of climate change	Professor Maciej Gąbka	Adam Mickiewicz University in Poznan, Poland
14:30-15:00	Research on Ecological Resilience Reconstruction of the Danjiangkou Reservoir Drawdown Zone Based on Digital Twin-driven 160 m Water Level Anchoring	Researcher Yegang Wu	ECO Development Group, Maryville, Tennessee, USA
15:00-15:20	Vegetation succession and its ecological functions on the water-level fluctuation zone of the Three Gorges Reservoir	Associate Professor Zhongli Chen	University Of Chongqing
15:20-15:40	Using Root Traits of <i>Cynodon dactylon</i> to understand the survival strategies of Dominant Plants and Ecological Restoration in Reservoir Riparian Zones	Associate Researcher Xiaoxiao Wang	Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences
15:40-15:50	Tea break and poster exchange session (in the lobby on the first floor of the Science and Technology Building)		
15:50-16:10	Nitrogen Transformation Characteristics in the Water Level Decline Zone of Off-Season Regulation Reservoirs and Their Environmental Impacts	Researcher Dongsheng Liu	Nanjing Institute of Water Resources Research
16:10-16:30	Emergency Prevention and Control of Blue Algae Blooms, as well as the Establishment of a Long-Term Ecological Barrier in the Affected Areas	Professor Xuezhi Zhang	Institute of Hydrobiology, Chinese Academy of Sciences
16:30-16:50	Water-driven ecosystem processes and stability in semi-arid grassland ecosystems	Researcher Rentao Li	Ningxia University



16:50-17:10	Ecological Restoration and Resilience Enhancement of the Waterfall Zone – Strengthening the Water Ecological Security Barrier for the South-to-North Water Diversion Project	Professor Jianling Xu	Hainan Tropical Ocean University
17:10-17:30	Pesticide contamination and watershed ecological security: can RNA-based crop protection offer a lower-impact path in Europe?	Professor Ayra-Pardo	University of Porto, Portugal
17:30-17:50	Priority Control of Agricultural and Traffic Sources of Soil Heavy Metals: An Integrated Source-Oriented Risk Assessment in the Drawdown Zone of the Danjiangkou Reservoir	Associate Professor Yunni Gao	He'nan Normal University
17:50-18:10	Study on the Chemotactic Effect of Common Algae on Native Plant Communities in the Water Level Drop Zone of Danjiangkou Reservoir	Associate Professor Longchong Zhang	Agricultural University Of He'nan
18:10-18:20	Summary by Researcher Zhenbin Wu from the Institute of Hydrobiology, Chinese Academy of Sciences		
<p>July 11: Fifth Session Report (Ecological Water Conservancy Projects and Collaborative Safety Management of River Basins)</p> <p>Host: Professor Yiping Li from Hohai University</p> <p>Researcher Yuchun Wang, China Institute of Water Resources and Hydropower Research</p> <p>Shixiong Hu, East Strausburg University, Pennsylvania, USA</p> <p>Professor Bing Tan, Nanyang Normal University; Associate Professor Gengmin Jiang, Nanyang Normal University</p> <p>(Lecture Hall 238, Second Floor, Science and Technology Building, Nanyang Normal University)</p>			
14:00-14:30	How to promote water resources environmental education under the UN WHENCE program in the South-to-North Water Diversion Project (Middle Route)	Professor Lei Yang	Taiwan, China Zhongshan University
14:30-15:00	Managing Ecological Tradeoffs of Water Redistribution: Lessons from the Salton Sea	Professor Jung-Chen Huang	Taiwan, China Success University
15:00-15:20	Synergistic Management of "Water-Sediment-Pollution" in High-Sediment Rivers: Mechanisms,	Professor Wei Zhang	Zhengzhou University



	Technologies, and Control Strategies		
15:20-15:40	Water Ecological Restoration Technology and Engineering Application for Carbon Sequestration and Emission Reduction through Substrate Improvement Combined with Submerged Plant Restoration	Researcher Yi Zhang	Institute of Hydrobiology, Chinese Academy of Sciences
15:40-15:50	Tea break and poster exchange session (in the lobby on the first floor of the Science and Technology Building)		
15:50-16:10	Application of GeoAI in Watershed Processes and Simulation	Professor Shixiong Hu	East Strausburg University, Pennsylvania, USA
16:10-16:30	Sentinel-2 and interpretable machine learning reveal the spatiotemporal dynamics and driving factors of chlorophyll a in large reservoirs	Professor Songhao Shang	Tsinghua University
16:30-16:50	Understanding the ecological risks of wastewater from sewage treatment plants: based on chemical analysis and toxicity assessment	Professor Jianchao Liu	River Sea University
16:50-17:10	Adjustment of the riverbed morphology and characteristics of water level changes in the downstream section of the Hanjiang Xinglong Hydrological Hub	Researcher Yunping Yang	Tianjin Water Transport Engineering Research Institute, Ministry of Transport
17:10-17:30	Influence of Spontaneous Human Settlements on Deforestation in the San Juan Watershed.	Alain Radisnel Paneque Martínez	Cuba Oriental University
17:30-17:50	Construction of highly swelling cyclodextrin polymers and their application in developing new pollution removal technologies for the Yellow River Basin	Associate Researcher Kai Zhang	Zhengzhou University
17:50-18:10	Mapping spatiotemporal water security risk in the Mekong using a machine learning framework informed by Field Theory	Associate Professor Liang Yuan	China Three Gorges University
18:10-18:30	The impact of complex microplastic characteristics in natural lakes on bacterial communities	Doctor Mingjia Li	Xi'an University of Architecture and Technology
18:30-18:40	Summary by Professor Li Yiping from Hohai University		



July 11th: Award Ceremony

(Lobby on the first floor of the VIP Building at Nanyang Hotel

(Building No.4))

19:00-19:10	Review of the First to Seventh International Conferences on River Basin Ecological Security (2019–2026)
19:10-19:20	Postgraduate Research Report Award Ceremony
19:2-19:30	Academic Poster Award Ceremony
19:30-22:00	Academic Exchange Dinner



July 12

Special Invited Lecture and Closing Ceremony

Sixth Session Report of the Meeting

Host: Professor Xianliang Liu from China South-to-North Water Diversion Group Middle Route Co., Ltd./Nanyang Normal University

Professor Jinsong Guo, Chongqing University

Researcher Wei Wei, Institute of Ecological Environment, Chinese Academy of Sciences

Professor Yuying Li, Nanyang Normal University

(Academic Lecture Hall, First Floor of the Science and Technology Building, Nanyang Normal University)

time	Report Title	reporter	unit
08:00-08:30	From Hydraulic Engineering to Living Watersheds: Watershed Metabolic Regulation and Smart Ecological Security Defense under a Complex Adaptive System Perspective	Academician/Professor B. Larry Li	University of California, Riverside
08:30-09:00	Algal communities and algae-derived risks along the central route of the South-to-North Water Diversion Project	Researcher Yonghong Bi	Institute of Hydrobiology, Chinese Academy of Sciences
09:00-9:30	Construction of basin-wide non-point source models considering both universality and differentiation	Lei Chen Professor	Beijing Normal University
09:30-10:00	Evolution of Major Nutrient Flows and Refined Management at the Estuary of the Jiulong River	Professor Wenzhi Cao	Xiamen University
10:00-10:10	Tea Break (Hall on the first floor of the Technology Building)		
10:10-10:40	Research on a rapid simulation and prediction method for water environments driven by both physical models and artificial intelligence	Professor Jingming Hou	Xi'an University of Technology
10:40-11:10	Artificial Wetlands: Future Research Directions	Professor Yaqian Zhao	University of Dublin, Ireland
11:10-11:40	Research on an Integrated Solution for Intelligent Monitoring and Prevention Technologies of Water Blooms in Lakes and Reservoirs	Professor Daobin Ji	China Three Gorges University



11:40-12:10	Screening, tracing of new pollutants, and water quality safety assessment for the main canal of the South-to-North Water Diversion Project	Weiling Sun	Peking University
12:10-12:20	China South-to-North Water Diversion Group Central Route Co., Ltd./Nanyang Normal University Professor Xianliang Liu's Summary		
12:20-12:30	closing ceremony		
12:30-14:00	Lunch (2nd floor, Central Restaurant of Nanyang Normal University)		



July 12

National Expert Base for Ecological Security in the Watershed of the Middle Route Water Source Area of the South-to-North Water Diversion Project

Mid-term Construction Expert Consultation Meeting

Host: Yaoyi Zhang

(Academic Lecture Hall, First Floor of the Science and Technology Building, Nanyang Normal University)

14:30-14:40	Speech by Haiquan Xie, Vice President of Nanyang Normal University
14:40-14:50	Speech by the leaders of the Human Resources and Social Security Department of Henan Province
14:50-15:50	Li Yuying, head of the Foreign Experts Base, reported on the progress of the base's development and outlined the next steps for its operations.
15:50-16:50	Expert Consultation Recommendations
16:50-17:50	Speech by the experts from the Foreign Expert Base
17:50-18:00	Summary by Yao Lunguang, Vice President of Nanyang Normal University
18:30-21:00	Dinner (Fuxing Kang, 2nd floor, Building 3, Nanyang Hotel)



July 10th: Special session for graduate students (Central Lobby, 1st Floor, VIP Building of Nanyang Hotel)				
comperere / rater	Liu Jianchao, Zhang Wei, Yang Changming, Zou Shanmei, Xiao Dongyang, Zhang Longchong, Fan Panpan, Tian Shuang, Yan Lu			
time	Report Title	reporter	Ph.D./Master's students	unit
18:30-18:37	Environmental stress drives microbial regime shifts and functional reorganization in Danjiangkou reservoir	Xucong Lu	Doctoral student	Henan Normal University
18:37-18:44	Analyzing the Resilience and Development Trajectories of Water Resource Systems: Lessons from the Mekong River Basin	Lin Chai	Doctoral student	China Three Gorges University
18:44-18:51	Human activities are reshaping the structure of urban river ecosystems in water-scarce regions of northern China.	Ziyao Hao	Doctoral student	Zhengzhou University
18:51-18:58	The Response Window for Drought Mitigation Over Multiple Years and Its Implications for Water Ecological Safety Management in Watersheds	Yichen Zhang	Doctoral student	University Of Hainan
18:58-19:05	Research on Flood Forecasting and Multi-objective Optimization Dispatch for Typical Reservoirs in Xi'an under Sudden Transition Between Drought and Flood Scenarios	Chong Ren	Doctoral student	Xi'an University of Technology
19:05-19:12	Method for constructing a dam safety knowledge graph based on the large-scale Qwen model	Haobo Han	Postgraduate	Zhengzhou University
19:12-19:19	Analysis of Changes in Ecological Environment Quality and Driving Factors in Shanxi Province Based on Remote Sensing Ecological Indexes	Yumiao Yuan	Postgraduate	Yellow River Transportation University
19:19-19:28	Evolution of Cooperative Water-Sharing Strategies Between Finite-Sized Riparian	Ruicong Sun	Postgraduate	China Three Gorges University



	Country Coalitions in Transboundary Rivers Under Stochastic Perturbation			
19:28-19:35	Ultrasound Cavitation–Driven Interfacial Degradation of Antibiotics by Yellow River Sediment	Yuanfang Wang	Postgraduate	Zhengzhou University
19:35-19:42	AOP-Smart: A software for adverse outcome pathway analysis of large language models based on retrieval-enhanced generation	Qin jiangNiu	Postgraduate	Nanyang Normal University
19:42-19:49	Multi-effect synergistic induction of unsaturated MnOx on sandy sediment for enhanced manganese adsorption and byproduct resource recovery in solar evaporation	Juzheng Liu	Postgraduate	Zhengzhou University
19:56-20:03	Response and Attribution Analysis of Climate and Land Use Changes on Runoff in the Qin River Basin	Wanyu Peng	Postgraduate	Yellow River Transportation University
20:03-20:10	Sediment-supported cobalt activated peroxyacetic acid for exhaustive removal of antibiotic and antibiotic resistance bacteria: Dominant non-radical pathway	Mingyu Gao	Postgraduate	Zhengzhou University
20:10-20:17	Dynamic Changes in the Organic Carbon Stock of Urban Lake Surface Sediments and Their Temperature Response Mechanisms	Hongxia Wu	Postgraduate	Xi'an University of Architecture and Technology
20:17-20:24	Constructing photothermal-catalytic dual-functional sediment evaporators for synergistic volatiles removal via diffusion suppression and catalytic degradation	Bing Zheng	Postgraduate	Zhengzhou University
20:24-20:31	The combined effect of polysaccharide-producing bacteria and organic iron oxides in inhibiting cadmium absorption	Shuangjiao Tang	Postgraduate	Nanyang Normal University



	in wheat			
20:31-20:38	Resource Upcycling of Industrial Aluminum Sludge: Crosslinking-Reinforced Macroscopic MOF@CMC-PEI Sponge for Efficient Phosphorus Removal and Eutrophication Mitigation	Mingye Zhu	Postgraduate	Chang'an University
20:38-20:45	Spatial and temporal variation characteristics of negative accumulated temperature in the Tibet region and their impacts	Xingchen Lin	Postgraduate	Nanyang Normal University
20:45-20:52	Screening and Growth Characteristics Study of Actinomycetes from Water Source Reservoirs	Yurong Gong	Postgraduate	Xi'an University of Architecture and Technology
20:52-20:59	Spatial-temporal variations of water ecosystem health and key physicochemical driving factors in Danjiangkou Reservoir based on zooplankton diversity index and Z-IBI	Rapizhat Aizizi	Postgraduate	Nanyang Normal University
20:59-21:06	Multi-method Integrated Analysis of Seasonal Dynamic Driving Factors for Greenhouse Gases in the Danjiangkou Reservoir	Hao Dong	Postgraduate	Nanyang Normal University
21:06-21:13	Polyphenol-metal coordinated photothermal aerogels for enhanced atmospheric water harvesting and expanded phosphorus recovery applications	Fengbin Chen	Postgraduate	Zhengzhou University
21:13-21:20	The ecological response mechanisms of phytoplankton community structure in lakes and reservoirs to environmental factors: a case study of the Danjiang River Basin	Xiaxian Han	Postgraduate	Nanyang Normal University
21:20-21:27	The effectiveness of algae in removing nitrogen and phosphorus from wastewater, as well as the trends and component analysis of algal-derived organic matter	Jinxiang Han	Postgraduate	Nanyang Normal University



July 11	
Academic Poster Session	
Time	8:00-14:00, July 11
Place	In front of the Science & Technology Building, Nanyang Normal University
Judges	Yaqian Zhao、Rentao Liu、Jianling Xu、Xuejun Li、Zhongli Chen、Hui Han、Wei Chang、Jiaming Wang、Yixuan Li、Hailong Yan 、Weifang Zuo
Poster Catalogue	
Serial number	Poster Title
1	Identification of Nonlinear Responses of Ecosystem Quality Driven by Multi-dimensional Factors in the Yellow River Basin Xiang Jia, Institute of Geography, Henan Academy of Sciences
2	Work Overview of the South-to-North Water Diversion Research Institute Zhengyou Zhang, South-to-North Water Diversion Research Institute
3	Ultrasound Cavitation – Driven Interfacial Degradation of Antibiotics by Yellow River Sediment Yuanfang Wang, School of Ecology and Environment, Zhengzhou University
4	Sediment-supported cobalt activated peroxyacetic acid for exhaustive removal of antibiotic and antibiotic resistance bacteria: Dominant non-radical pathway Mingyu Gao, School of Ecology and Environment, Zhengzhou University
5	Constructing photothermal-catalytic dual-functional sediment evaporators for synergistic volatiles removal via diffusion suppression and catalytic degradation Bing Zheng, School of Ecology and Environment, Zhengzhou University
6	Three-Dimensional Nanofiber Aerogel Anchored with COF-Based Catalysts: A Collaborative Platform for Synchronous Water Evaporation and Pollutant Degradation Fengbin Chen, School of Ecology and Environment, Zhengzhou University



7	Identifying Optimal Intervention Windows for Multiyear Drought Alleviation and Their Implications for Watershed Ecological Security Yichen Zhang, Hainan University
8	Multi-Dimensional Tracing of Particulate Organic Matter Sources in Danjiangkou Reservoir: Integrating Temporal-Spatial and Particle Size Effects Yufan He, Nanyang Normal University
9	Spatiotemporal Variation Characteristics and Environmental Influencing Factors of Zooplankton Community in the Transition Zone of Danjiangkou Reservoir Inflow Fan Fan, School of Water Resources, North China University of Water Resources and Electric Power
10	The feeding behavior of <i>Craspedacusta sowerbyii</i> in freshwater reservoirs and its potential ecological roles within aquatic food webs



III. Overview of the Central Route Project of the South-to-North Water Diversion Project

The Middle Route of the South-to-North Water Diversion Project draws water from the Danjiangkou Reservoir, passes through Fangcheng Pass in Nanyang, Henan Province, excavates channels along the Tang and Bai River basins as well as the western edge of the Huang-Huai-Hai Plain, crosses the Yellow River via a tunnel at Wangcun in Xinyang City, Henan Province, flows northward along the west side of the Beijing-Guangzhou Railway, and ultimately reaches Tuan Cheng Lake near the Summer Palace in Beijing. It primarily addresses domestic and industrial water demands in over 40 major and medium-sized cities across four provinces and municipalities—Henan, Hebei, Tianjin, and Beijing—while also supporting ecological conservation and agricultural water needs in the surrounding areas. With a total length of 1,432 kilometers, this main canal helps alleviate water resource shortages in Beijing, Tianjin, and northern China, providing an additional 6.4 billion cubic meters of water annually for industry and 3 billion cubic meters for

agriculture.

The Danjiangkou Reservoir dam stands 176 meters high, with





a storage capacity of 29 billion cubic meters and a reservoir area covering 1,050 square kilometers, half of which lies within Nanyang County. According to the "Danjiangkou Reservoir Water Quality Protection Zone Plan," Nanyang constitutes the core area of the reservoir's drinking water source protection zone, encompassing 131 square kilometers of waters in the first-level protection zone and 388 square kilometers in the second-level protection zone—representing the final ecological barrier for the water source and the most sensitive region for water quality preservation.



IV. Overview of Nanyang Normal University

Nanyang Normal University is a provincial-level undergraduate institution under the administration of Henan Province. It originated from the Henan Provincial Nanyang Normal School established in 1951, which was upgraded to Nanyang Normal College in 1958 and further elevated to Nanyang Normal University in 2000. The university passed the Ministry of Education's undergraduate teaching quality assessment in 2007, was designated as a pilot institution for the "Talent Training Program Serving National Special Needs – Bachelor's Degree-Granting Institutions Offering Master's Professional Degree Programs" in 2011, obtained full master's degree-granting authority in 2017, was selected as a key university for developing distinctive core disciplines in Henan Province in 2020, successfully passed the latest round of undergraduate education evaluation by the Ministry of Education in 2024, and was approved as a key doctoral degree-granting institution under Henan Province's development program in 2025.

The university's "Specialized Base for Ecological Security in the South-to-North Water Diversion Middle Route Source Area" has been selected for the national "111 Plan." It houses 48 provincial and ministerial-level platforms, including the Henan Collaborative



Innovation Center for Water Security in the South-to-North Water Diversion Middle Route Source Area, the Henan Collaborative Innovation Center for Intelligent Explosion-Proof Equipment, the Henan Applied Mathematics Center, the Digital Restoration and Display Laboratory for Han Dynasty Stone Carvings, and the Water Culture and Water Resources Laboratory for the South-to-North Water Diversion Middle Route Project. The institution has undertaken over 190 projects funded by the National Natural Science Foundation, Social Science Foundation, and Arts Fund, as well as more than 500 provincial and ministerial-level research projects. It has received over 370 awards, including the Henan Provincial Science and Technology Award, the Henan Provincial Social Science Achievement Award, and the Henan Provincial Education Department Achievement Award. As the first-author institution, it has published over 3,000 academic papers in SCI, SSCI, A&HCI, EI, CSSCI, and Chinese core journals, and holds more than 630 nationally authorized patents. The university ranks fourth in Henan Province in terms of its Nature Index score. It has organized or hosted high-level academic conferences such as the Launch Ceremony of Henan Science and Technology Activity Week, the 10th China Water Ecology Conference, and the 1st to 6th International Conferences on Basin Ecological Security.



V. Overview of the Foreign Experts Base for Ecological Security in the Watershed of the Central Route Water Source Area of the National South-to-North Water Diversion Project

The "National Foreign Expert Base for Ecological Security in the Middle Route Water Source Basin of the South-to-North Water Diversion Project" (Guoke Fa Zhuan [2022] No.361) was selected for the "Disciplinary Innovation and Talent Introduction Program for Higher Education Institutions" (referred to as the "111 Plan") in 2022. Established around Henan Province's distinctive core discipline cluster in "Ecological Security and Water Resources Protection," this base focuses on addressing critical scientific challenges related to ecological security in water source basins. It prioritizes attracting high-caliber international expertise, centers on talent development, and aims for both theoretical advancement and practical application: targeting cutting-edge international research frontiers in basin ecological security while addressing major economic needs at national and regional levels. The initiative seeks to develop specialized disciplinary fields, foster emerging academic disciplines, and cultivate core clusters of ecological security and water resources studies that balance original research with practical applications—thereby enhancing overall academic strength, accelerating



talent cultivation, facilitating technology transfer, and promoting economic development in the Middle Route water source region.

This foreign expert base has strengthened long-term close collaboration between 12 renowned experts from internationally prestigious institutions—including the University of Kiel in Germany, the University of California, Riverside in the United States, University College London in the UK, and Kyoto University in Japan—and the Ecological Security Team for the South-to-North Water Diversion Basin at Nanyang Normal University. Concurrently, the team has enhanced cooperation with expert teams from leading domestic universities, significantly boosting innovation capabilities in ecological security for the water source basin of the Central Route of the South-to-North Water Diversion Project. This effort aims to deliver a series of landmark achievements with substantial international impact and global standing, providing robust intellectual support and technical assurance for fulfilling General Secretary Xi Jinping's earnest directive to "protect this reservoir of clear water" and ensuring that "clean water flows northward sustainably."



VI. Introduction to the South-to-North Water Diversion College and the College of Water Resources and Modern Agriculture

The College of Water Resources and Modern Agriculture at Nanyang Normal University (South-to-North Water Diversion College) is situated in the core water source area and headworks location of the Central Route Project of the South-to-North Water Diversion Program. Committed to serving both national water resource strategies and regional development, the college focuses on professional teaching and scientific research innovation. Its faculty boasts a well-balanced age distribution and professional expertise, demonstrating strong innovation capacity, cohesion, and collaborative dedication, thereby providing robust support for high-quality teaching, research, and social services.

The college currently houses the Henan Provincial Characteristic Key Discipline Cluster on "Ecological Security and Water Resources Protection," offering master's programs in Agriculture, Resource Environment, Biology and Medicine, and Civil Engineering & Water Resources, as well as three undergraduate programs: Water Quality Science and Technology, Environmental Science and Engineering, and Agronomy. It focuses on cultivating professional technical talents in the



fields of resources and environment, ecological water conservancy, and green agriculture, as well as interdisciplinary professionals with expertise in water resource management, sustainable agricultural production, and integrated ecological conservation strategies.

The college undertakes numerous major national and provincial/ministerial-level scientific research projects in the field of the South-to-North Water Diversion Project. It has established several national and provincial-level research platforms, including the "Foreign Expert Base for Ecological Security in the Basin of the Central Route Water Source Area of the South-to-North Water Diversion Project," the "Henan Provincial Collaborative Innovation Center for Water Security in the Central Route Water Source Area of the South-to-North Water Diversion Project," the "Key Laboratory of Ecological Security in the Central Route Water Source Area of the South-to-North Water Diversion Project in Henan Province," the "International Joint Laboratory for Basin Ecological Security in the Central Route Water Source Area of the South-to-North Water Diversion Project in Henan Province," and the "Henan Provincial Engineering Technology Research Center for Fungal Foods." Leveraging Henan Province's distinctive core discipline cluster on "Ecological Security and Water Resources Protection" and its provincial industry-academia-research integration training mobile station, the college focuses on the "three key safety aspects" of the



South-to-North Water Diversion Project to develop engineering technologies for water quality management, ecological agriculture, environmental remediation, and ecological restoration in the central route water source area, thereby facilitating the practical application of ecological and technological achievements in water source protection.

VII. Hotel Address and Directions



1. Nanyang East Station – Nanyang Hotel

(1) Taxi ride (approximately 40 yuan) – takes 40 minutes, covering a total distance of 18 kilometers.

(2) Public Transport – Take bus route 45 from Nanyang East Station Bus Stop to Nanyang Daily Press Bus Stop, then walk 190 meters to reach Nanyang Hotel.

2. Nanyang Jiangying Airport – Nanyang Hotel

(1) Taxi ride (approximately 22 yuan) – takes 24 minutes, covering a total distance of 12 kilometers.



(2) Public Transport – From Nanyang Airport Bus Stop to the bus stop at the intersection of Wenhua Road and Hongmiao Road (bus route 4); walk 616 meters to reach Nanyang Hotel.



VIII. List of Conference Participants

number	surname and personal name	Position/Title	unit
1	Nicola Fohrer	Director/Professor	University of Kiel, Germany
2	B. Larry Li	Academician/Chief Scientist/Professor	University of California, Riverside
3	Robert Costanza	Academician/Chief Scientist/Professor	University College London, UK
4	Shin-ichi Nakano	Professor	Kyoto University
5	Shixiong Hu	Professor	East Strauburg University, Pennsylvania, USA
6	Ho-Dong Park	President/Professor of the Lake and Marsh Society	Shinshu University, Japan
7	Beata Messyas	Professor	Mieczkiewicz University in Poznan, Poland
8	Maciej Gąbka	Professor	Mieczkiewicz University in Poznan, Poland
9	Jianguang Qin	Director/Professor	Filders University, Australia
10	Yaqian Zhao	Professor	University of Dublin, Ireland
11	Yegang Wu	secretary-general	American Ico Group
12	Camilo Ayra Pardo	Professor	University of Porto, Portugal
13	Alain Radisnel Paneque Martinezz	Professor	Cuba Oriental University
15	Tengqian Wang	Chairman	SCENES Management Committee
16	Yan Liu	Member of the standing committee	SCENES Management Committee
17	Jung-Chen Huang	Professor	Taiwan, China National Cheng Kung University
18	Lei Yang	Professor	Taiwan, China Sun Yat-sen University
19	Weiling Sun	Professor	Peking University
20	Lei Chen	Professor	Beijing Normal University
21	Changjia Li	Researcher	Beijing Normal University
22	Xueping Wang	Lecturer	Chang'an University
23	Mingye Zhu	Master Degree Candidate	Chang'an University



24	Tian Wei	Master Degree Candidate	Wuhan Campus of Yangtze University
25	Ziwei Zhou	Master Degree Candidate	Changjiang University
26	Wei Yin	Researcher	National Engineering Research Center for Ecological Environment of the Yangtze River Economic Belt
27	Fengpeng Bai	Senior Engineer	Yangtze River Water Resources Protection Science Research Institute
28	Chao Wang	Senior Engineer	Yangtze River Water Resources Protection Science Research Institute
29	Liyong Xu	Director/Associate Senior Engineer	Danjiangkou Branch of the Hanjiang Hydrological and Water Resources Survey Bureau, under the Hydrology Division of the Yangtze River Water Resources Commission
30	Li Zhang	Engineer	Danjiangkou Branch of the Hanjiang Hydrological and Water Resources Survey Bureau, under the Hydrology Division of the Yangtze River Water Resources Commission
31	Zongding Zhang	Senior technician	Danjiangkou Branch of the Hanjiang Hydrological and Water Resources Survey Bureau, under the Hydrology Division of the Yangtze River Water Resources Commission
32	Dibing Xu	Director/Researcher	Yangtze River Water Resources Commission Hanjiang Basin Management and Protection Center
33	Haibin Tang	Research Assistant	Yangtze River Water Resources Commission Hanjiang Basin Management and Protection Center
34	Jinsong Guo	Professor	University Of Chongqing
35	Zhongli Chen	Associate Professor	University Of Chongqing
36	Yifeng Wu	Associate Professor	Southeast China University
37	Shiming Ding	Professor	Southeast China University



38	Qiyuan Sun	Professor	Fujian Normal University
39	Jianling Xu	Deputy Dean/Professor	Hainan Tropical Ocean University
40	Helong Yang	Lecturer	Hebei University of Geosciences
41	Yiping Li	Dean/Professor	River Sea University
42	Jianchao Liu	Professor	River Sea University
43	Jianwei Ling	Deputy Director	Henan Danjiang Wetland National Nature Reserve Management Office
44	Wei Huang	Section Chief	Henan Danjiang Wetland National Nature Reserve Management Office
45	Jie Li	Clerk	Henan Danjiang Wetland National Nature Reserve Management Office
46	Shuanggen Jin	Deputy Principal/Professor	Henan Polytechnic University
47	Dongyang Xiao	Associate Professor	Henan Polytechnic University
48	Longchong Zhang	Associate Professor	Agricultural University Of He'nan
49	Li Dong	Master Degree Candidate	Agricultural University Of He'nan
50	Yinxing Zhao	Director/Senior Engineer	Henan Provincial Science and Technology Innovation Promotion Center
51	Yang Zhao	Minister/Engineer	Henan Provincial Science and Technology Innovation Promotion Center
52	Yuanyuan Ma	Deputy Minister/Engineer	Henan Provincial Science and Technology Innovation Promotion Center
53	Jinjin Huang	Deputy Minister/Engineer	Henan Provincial Science and Technology Innovation Promotion Center
54	Hui Zhang	Senior Engineer	Henan Provincial Science and Technology Innovation Promotion Center
55	Jianfa Huang	Assistant Engineer	Henan Provincial Science and Technology Innovation Promotion Center
56	Xiang Jia	Research Assistant	Institute of Geography, Henan Academy of Sciences
57	Zheng Wang	Associate research fellow	Institute of Geography, Henan Academy of Sciences



58	Yaojun Luo	Director/Senior Engineer	Henan Province South-to-North Water Diversion Project Headwater Ecological Environment Monitoring Emergency Center
59	Haiyan Chen	Senior Engineer	Henan Province South-to-North Water Diversion Project Headwater Ecological Environment Monitoring Emergency Center
60	Jianwei Shi	Director/Professor-level Senior Engineer	Nanyang Ecological and Environmental Monitoring Center, Henan Province
61	Lingling Wang	Director/Professor	Henan Provincial Environmental Monitoring and Safety Center
62	Li Guo	Senior Engineer	Henan Provincial Environmental Monitoring and Safety Center
63	Xinna Zhao	Senior Engineer	Henan Provincial Environmental Monitoring and Safety Center
64	Xuejun Li	Deputy Dean/Professor	He'nan Normal University
65	Yunni Gao	Deputy Dean/Professor	He'nan Normal University
66	Xucong Lu	Doctoral candidate	He'nan Normal University
67	Yichen Zhang	Doctoral candidate	University Of Hainan
68	Fuqiang Wang	Dean/Professor	North China University of Water Resources and Electric Power
69	Haihua Li	Dean/Professor	North China University of Water Resources and Electric Power
70	Shoukai Chen	Deputy Dean/Professor	North China University of Water Resources and Electric Power
71	Panpan Fan	Lecturer	North China University of Water Resources and Electric Power
72	Liancong Luo	Professor	Jiangxi University of Water Resources and Electric Power
73	Yunping Yang	Chief Engineer/Researcher at the Inland Waterway Center	Tianjin Water Transport Engineering Research Institute, Ministry of Transport
74	Jie Gong	Professor	Lanzhou University
75	Wenjie Tian	Professor	Luoyang Institute of Technology
76	Rui Ma	doctor	Luoyang Institute of Technology
77	Xiaomi Meng	teaching secretary	Luoyang Institute of Technology
78	Shanmei Zou	Associate Professor	Agricultural University Of Nanjing



79	Dandan Guo	Editor in charge	"South-to-North Water Diversion Project and Water Conservancy Technology (Chinese and English)"
80	Siqi Liu	Editor	"South-to-North Water Diversion Project and Water Conservancy Technology (Chinese and English)"
81	Suying Ma	Subeditor	"South-to-North Water Diversion Project and Water Conservancy Technology (Chinese and English)"
82	Sha Wei	Acopy Editor	"South-to-North Water Diversion Project and Water Conservancy Technology (Chinese and English)"
83	Dan Xu	Chief Editor	"South-to-North Water Diversion Project and Water Conservancy Technology (Chinese and English)"
84	Hongliang Ding	Deputy General Manager/Chief Executive Officer	South-to-North Water Diversion Middle Route Water Source Co., Ltd.
85	Jihong Wu	Deputy Director/Associate Research Librarian	Water Supply Management Department of South-to-North Water Diversion Middle Route Source Co., Ltd.
86	Qin He	Senior Engineer	Water Supply Management Department of South-to-North Water Diversion Middle Route Source Co., Ltd.
87	Chengyu Zhang	Clerk Engineer	Water Source Management Department of the Reservoir Area, Central Route Project of the South-to-North Water Diversion Program
88	Zhengyou Zhang	Dean	South-to-North Water Diversion Research Institute
89	Yong Cheng	Deputy Secretary-General/Engineer	South-to-North Water Diversion Research Institute
90	Rentao Liu	Researcher	Ningxia University
91	Xilai Li	Professor	Qinghai University



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93	Qingbin Li	Professor	Tsinghua University
94	Mengzhen Xu	Professor	Tsinghua University
95	Yihui Xiong	Doctoral candidate	Tsinghua University
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97	Daobin Ji	Dean/Professor	China Three Gorges University
98	Liang Yuan	Associate Professor	China Three Gorges University
99	Ruicong Sun	Master Degree Candidate	China Three Gorges University
100	Lin Chai	Doctoral candidate	China Three Gorges University
101	Jian Zhang	Principal/Professor	Shandong Normal University
102	Wenzhi Cao	Professor	Xiamen University
103	Shengchang Yang	Associate Professor	Xiamen University
104	Feifei Wang	Research Assistant	Xiamen University
105	Changming Yang	Professor	Tongji University
106	Jingming Hou	Professor	Xi'an University of Technology
107	Jiake Li	Professor	Xi'an University of Technology
108	Nan Li	Associate Professor	Xi'an University of Architecture and Technology
109	Jiaming Li	Doctoral candidate; PostDoctoral researcher	Xi'an University of Architecture and Technology
110	Hongxia Wu	Master Degree Candidate	Xi'an University of Architecture and Technology
111	Yurong Gong	Master Degree Candidate	Xi'an University of Architecture and Technology
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113	Yun Kong	Associate Professor	Changjiang University
114	Zhengjian Yang	Deputy Dean/Professor	Zhengzhou University
115	Wei Zhang	Deputy Dean/Professor	Zhengzhou University
116	Hongbin Xu	Deputy Dean/Professor	Zhengzhou University
117	Jingqing Gao	Professor	Zhengzhou University
118	Huiliang Wang	Deputy Dean/Professor	Zhengzhou University
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120	Ning Zhang	Research Assistant	Zhengzhou University
121	Liyang Zhang	Lecturer	Zhengzhou University
122	Ziyao Hao	Doctoral candidate	Zhengzhou University
123	Juzheng Liu	Master Degree Candidate	Zhengzhou University



124	Haobo Han	Master Degree Candidate	Zhengzhou University
125	Yuanfang Wang	Master Degree Candidate	Zhengzhou University
126	Mingyu Gao	Master Degree Candidate	Zhengzhou University
127	Bing Zheng	Master Degree Candidate	Zhengzhou University
128	Fengbin Chen	Master Degree Candidate	Zhengzhou University
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130	Yonghong Bi	Director/Research Fellow	Institute of Hydrobiology, Chinese Academy of Sciences
131	Yi Zhang	Researcher	Institute of Hydrobiology, Chinese Academy of Sciences
132	Yongding Liu	Member/Researcher of the International Academy of Astronautics	Institute of Hydrobiology, Chinese Academy of Sciences
133	Xuezhi Zhang	Researcher	Institute of Hydrobiology, Chinese Academy of Sciences
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136	Shuguang Lu	General Manager/Senior Engineer	China South-to-North Water Diversion Group Central Route Co., Ltd. Headworks Branch
137	Yi Gao	Section Chief/Senior Engineer	China South-to-North Water Diversion Group Central Route Co., Ltd. Headworks Branch
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140	Haiying Li	Senior Chief Engineer	China Institute of Water Resources and Hydropower Research
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148	Chen Liu	Section Chief	Xichuan County Water Quality Protection Center's Efficiency Service Department
149	Yang Yu	Doctor	Xinxiang University
150	Dongyang Deng	General manager	Henan Chungeng Qiushou Industrial Development Co., Ltd.
151	Jie Ma	General manager	Henan Mengma Agricultural Technology Co., Ltd.
152	Fujun Yan	General manager	Henan Nanshui Beinian Liquor Co., Ltd.
153	Zhenwei Yang	General manager	Xichuan County Xiangchu Modern Agriculture Co., Ltd.
154	Ying Zou	Vice president	Zhengzhou Fuming Technology Co., Ltd.
155	Baofeng Zhang	Secretary/Professor	Nanyang Normal University
156	Yongsong Luo	Principal/Professor	Nanyang Normal University
157	Xianliang Liu	Former Deputy Director/Professor	Nanyang Normal University
158	Jingya Meng	Deputy Party Secretary/Professor	Nanyang Normal University
159	Honglin Liu	Deputy Party Secretary/Professor	Nanyang Normal University
160	Shouyong Liu	Secretary of the Discipline Inspection Commission/Professor	Nanyang Normal University
161	Xinzhong Xiong	Deputy Principal/Professor	Nanyang Normal University



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163	Haiquan Xie	Deputy Principal/Professor	Nanyang Normal University
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169	Yaoyi Zhang	Director/Professor	International Affairs Department of Nanyang Normal University
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177	Jun Xu	Dean/Professor	School of Civil and Architectural Engineering, Nanyang Normal University
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203	Jinglong Wang	Doctor	Nanyang Normal University
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211	Xiaxian Han	Postgraduate	Nanyang Normal University
212	Yufan He	Postgraduate	Nanyang Normal University
213	Xingchen Lin	Postgraduate	Nanyang Normal University
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