北京大学 PEKING UNIVERSITY

中国疾病预防控制中心 CHINESE CENTER FOR DISEASE CONTROL AND PREVENTION

2026 10.22—25 October 22-25 | 中国·江苏常熟 Changshu, Jiangsu Province, China

第九届国际污水流行病学大会

TESTING THE WATERS-9TH INTERNATIONAL CONFERENCE ON WASTEWATER-BASED EPIDEMIOLOGY

主办单位：北京大学城市与环境学院

Organizer: College of Urban and Environmental Sciences, Peking University

联合主办单位：中国疾病预防控制中心环境与健康相关产品安全所、传染病溯源预警与智能决策全国重点实验室

Co-organizers: National Institute of Environmental Health, National Key Laboratory of Intelligent Tracking and Forecasting for Infectious Diseases, China CDC

Conference Themes

Advances in methodologies of wastewater-based epidemiology/surveillance

- New concepts, strategies, and practices of wastewater-based epidemiology (e.g., multi-source data integration and standardization of sampling, quality control, analysis, and result reporting)
- New detection techniques for pathogens and substances of concern in wastewater
- Augmentation of wastewater-based epidemiology with artificial intelligence

Applications of wastewater-based epidemiology in public health

- Early warning and forecasting of infectious diseases through wastewater-based surveillance
- Integration of wastewater-based epidemiology into routine public health decision-making and risk communication
- Wastewater-based surveillance of antimicrobial resistance, substance use, and environmental exposure

Future perspectives

- Potential of wastewater-based surveillance in One Health and disease prediction
- Innovation, commercialization, international collaboration, and public-private partnerships to scale up wastewater-based surveillance
- Application of wastewater-based epidemiology in broader policy decision-making

Plenary Speakers

Barbara Kasprzyk-Hordern (University of Bath, UK)

Jochen Mueller (University of Queensland, Australia)

Jianguo Xu (NITFID, China CDC, China)

Tong Zhang (University of Hong Kong, China)

Registration and Abstracts

- Registration fee: 2000 RMB (approx. 250-300 Euro/USD)
- Call for abstracts: March 15 - June 15, 2026
- Notification to authors: July 15, 2026
- Registration starts: June 1, 2026

Conference Website

The official conference website (https://ttw9.scimeeting.cn/) and online registration system will be launched shortly. Participants will be able to register, submit abstracts, and complete payment through the registration system.

Contacts

- For academics: Shuxin An sxan25@stu.pku.edu.cn
- For logistics: Yuxuan Yang ttw9@pku.edu.cn

Organizing Committee

Xiaoming Shi (China CDC, China)
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Lubertus Bijlsma (University Jaume I, Spain)
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Xiaoyuan Yao (NIEH, China CDC, China)
Yong Zhang (National Institute of Viral Disease Control and Prevention, China CDC, China)

Organizers

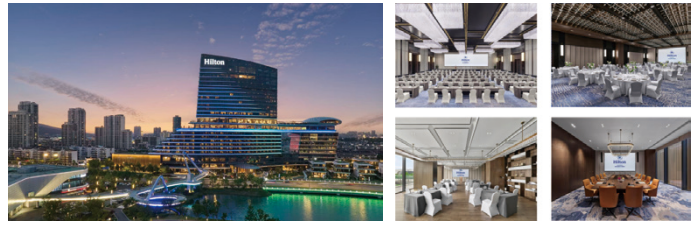
Peking University, founded in 1898, is a pioneer of modern higher education in China. Boasting comprehensive disciplines and a distinguished faculty, it has earned international recognition for its excellence in fundamental research, frontier innovation and the humanities.

The College of Urban and Environmental Sciences at Peking University traces its geographical education back to the proposed Geography Division of the Imperial University of Peking in 1904. Following the establishment of the Department of Geology and Geography in 1952 and the independent Department of Geography in 1978, the College was formally founded in 2007. The College comprises seven departments and institutes and is affiliated with multiple research centers. Centered on geography, it integrates ecology, environmental science, and urban and rural planning, with strong interdisciplinary strengths in science, engineering, and the humanities, and contributes to major national strategies including ecological civilization, new-type urbanization, rural revitalization, and the "dual carbon" goals.

The National Institute of Environmental Health (NIEH), founded in 2002 under the Chinese Center for Disease Control and Prevention (China CDC), is China's national institution and technical authority for environmental health. Under the leadership of the National Health Commission of the People's Republic of China, the National Disease Prevention and Control Administration, and China CDC, NIEH integrates disease control, emergency response, research, education, and global public health cooperation. It focuses on population exposure, health impacts of environmental hazards, and environmental surveillance-based early warning system for infectious diseases, develops technologies for environmental health, disinfection, and infection control, supports emergency response to environmental pollution, natural disasters, and infectious disease outbreaks, and carries out health risk assessment, early warning, and information exchange. NIEH also manages relevant laboratory quality and standards, provides professional training and technical support to local CDCs, and advances international collaboration in environmental health.

National Key Laboratory of Intelligent Tracking and Forecasting for Infectious Diseases (NITFID) is restructured from the former State Key Laboratory of Infectious Disease Prevention and Control. Integrating expertise from the Chinese CDC, Nankai University, and Beijing Ditan Hospital, the lab combines strengths in pathogens, epidemiology, clinical medicine, AI, and data science. The laboratory operates nationwide field sites and surveillance networks, holds comprehensive pathogen and specimen banks, and leads in mathematical, statistical, and AI research. It focuses on pathogen variation and tracing, emerging pathogens and eco-social environments, and intelligent surveillance and decision-making. Through interdisciplinary innovation, the lab aims to build a world-class intelligent system for infectious disease prevention and control, providing technological and strategic support to protect public health and socio-economic development.

Conference Venue



The conference will be held at Hilton Changshu, a landmark venue located in the heart of the city. Covering 33,800 square meters, the hotel features an iconic architectural design reminiscent of a grand cruise ship, characterized by transparency and openness. Set against scenic mountains and beside a tranquil lakeside, the hotel offers an elegant and pleasant natural environment.

Hilton Changshu provides approximately 4,500 square meters of flexible meeting and event space, making it an ideal venue for international and domestic conferences, exhibitions, cultural exchanges, and business events. The hotel also enjoys convenient transportation access, located about 8 km from Changshu High-Speed Railway Station, approximately a 60-minute drive from Wuxi Shuofang Airport, and around a 90-minute drive from Shanghai Hongqiao International Airport.

About Changshu City

Changshu, a county-level city administered by Suzhou and located in the southeast of Jiangsu Province at the core of the Yangtze River Delta, prides itself on a profound history of more than 3,000 years and is reputed as a celebrated "Land of Abundance in Jiangnan". As an important cradle of the splendid Wu culture and a nationally recognized historical and cultural city, it has long been renowned for its profound cultural heritage, time-honored traditions and a great many distinguished scholars and outstanding talents bred here.

It is also blessed with exquisite natural scenery and distinctive Jiangnan water town charm, where beautiful mountains and rivers form a picturesque landscape. Today, Changshu has achieved a harmonious integration of a solid industrial foundation, booming modern urban vitality and a highly convenient transportation network that connects it closely with major cities in the delta. Boasting a thriving economy, a pleasant living environment and complete supporting facilities for conferences and exhibitions, it has become an ideal and premium destination for high-level conferences, academic exchanges and international cooperation events.