

# ONE URBAN HEALTH WORKSHOP IN SOUTHEAST ASIA

**30-31 JANUARY 2024**

**SINGAPORE, CREATE TOWER, CREATE THEATRETTE, LEVEL 2**

**[REGISTER HERE](#)**

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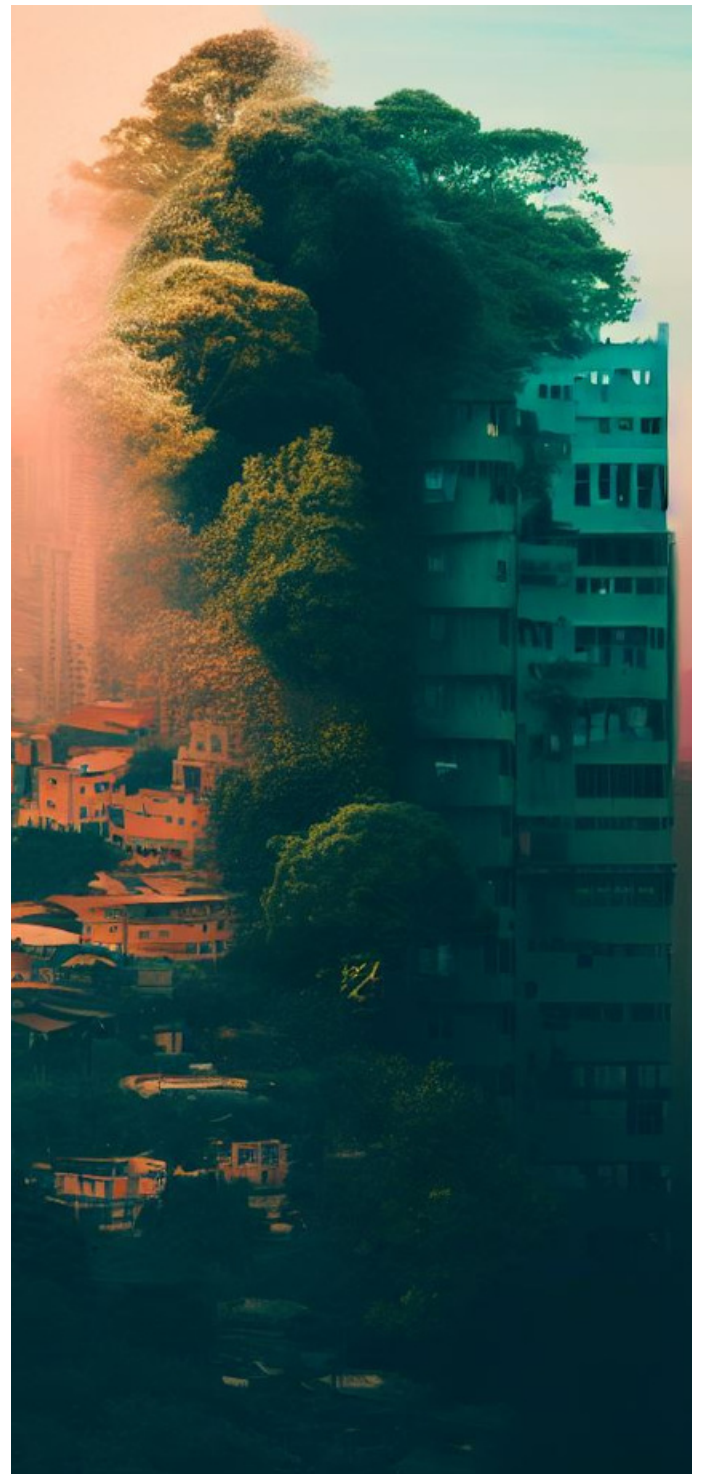
Climate change, escalating pollution, and the loss of wildlife pose major health challenges for individuals in Southeast Asia. Additionally, while historical pathogens like dengue, malaria, and scrub typhus persist, there is an alarming increase in epidemics due to emerging viruses, especially zoonoses, which are rapidly emerging in the region.

In response to these challenges, the 'One Health' approach, which highlights the interdependence between human, animal, and environmental health, is gaining recognition.

This approach is vital in the current context of interconnected changes. However, urban areas have been neglected in One Health studies.

This is problematic since urbanization not only modifies the ecology of vectors of pathogens but also significantly alters the interconnections between animals, individuals, and their environment. Yet, as hubs connecting international, national, and local levels, they also have the potential to address this intertwined health beyond the local level.

This conference, framed in the context of the [CNRS@CREATE SPACE project](#) (Shaping Public Adaptive Capacity For Environmental Infectious Diseases), aims to provide an overview of 'One Health' initiatives emerging in urban Southeast Asia. We will explore how these initiatives can not only respond to current health challenges but also contribute to shaping a healthier and more sustainable future for the region and beyond.



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## PROGRAMME

**TUESDAY 30 JANUARY 2024 (lunch break at Sky Garden Level 3, CREATE Tower)**

**9:00am Registration** - CREATE Tower, Level 2

**Session 1: Overview of One Urban Health in Asia** - CREATE Tower, Level 2, Theatrette

**9:45-10:15am Opening remarks**

Shirley HO & Natacha AVELINE, Lead PIs, SPACE Project ; Serge MORAND & Olivier TELLE, CNRS ;  
Subodh MHAISALKAR, Executive Director, NRF

**10:15-10:35am Virus ecology: Risk assessment and pandemic preparedness**

Gavin SMITH, Professor & Director, Programme in Emerging Infectious Diseases, Duke-NUS

**10:35-10:55am Climate change and vector-borne infection**

Anavaj SAKUNTHABAI, Leader of the Pasteur International Center for Research on Emerging Infectious Diseases (PICREID)

**10:55-11:15am Biosurveillance and biosecurity strategies under city in nature**

Kelvin LIM, Director, Biorisk & Biosurveillance, NPARKS

**11:15-11:45am** Coffee Break + Group photo

**11:45am-12:05pm Integrated surveillance and control of mosquito borne diseases**

NG Lee Ching, Group Director (Environmental Health Institute), NEA

**12:05-12:25pm Improving surveillance of rodents and rodent-borne diseases in urban areas**

Kittipong CHAISIRI, Professor (Infection & Global Health), Department of Helminthology, Mahidol University

**12:25-12:45pm Public green space and urban resilience: planning, implementation, and challenges in the case of the 15-Minute park policy by Bangkok Metropolitan**

Niramon SERISAKUL, Director, Urban Design and Development Center, Center of Excellence on Urban Strategies, Faculty of Architecture, Chulalongkorn University

**Session 2: Focus on Singapore and France** - CREATE Tower, Level 2, Theatrette

**2:30-2:50pm Urbanization and infectious diseases, an intertwined relation**

Olivier TELLE, Senior Researcher CNRS, IRASEC, HealthDEEP, SPACE Project

**2:50-3:10pm A One Health approach for urban environments**

Serge MORAND, Senior Researcher CNRS, Director IRL HealthDEEP, Kasetsart University, Mahidol University

**3:10-3:30pm Updated France global health strategy, 2023-2027**

Clarisse VEYLON-HERVET, Global Health Adviser, French Ministry of Foreign Affairs

**3:30-3:50pm Zoonotic malaria; from sylvatic to urban malaria**

Laurent RENIA, Professor of Infectious Diseases, NTU Lee Kong Chian School of Medicine

**3:50-4:10pm Status of pathogen genomics across Asia: role in early detection/new tool development**

Paul PRONYK, Director, Duke-NUS Centre for Outbreak Preparedness

**4:10-4:50pm** Tea Break

**4:50-5:10pm Viruses prowling in Singapore's backyard**

TAN Boon Huan, Associate Professor, NTU Lee Kong Chian School of Medicine

**5:10-5:30pm One Health governance in Southeast Asia**

Claire LAJAUNIE, Researcher, INSERM

**5:30-6:00pm Disentangling risk for mosquito-borne infections in the urban environment**

Richard PAUL, Senior Staff Scientist, Institut Pasteur Paris

**6:00-8:00pm Networking cocktail** - CREATE Campus, RIE Wing, Level 2 (opposite CREATE Tower)

# ONE URBAN HEALTH WORKSHOP IN SOUTHEAST ASIA

WEDNESDAY 31 JANUARY 2024 (lunch break at Sky Garden Level 3, CREATE Tower)

**9:00am Registration** - CREATE Tower, Level 2

**Session 3: Case Studies Presentations** - CREATE Tower, Level 2, Theatre

**9:30-9:50am Mapping and monitoring urban green spaces in urban settings: possibilities and limits of space observation in Phnom Penh, Cambodia**

*Vincent HERBRETEAU, Researcher in Health Geography, IRD Cambodia*

**9:50-10:10am Integrating environmental Indicators into epidemiological surveillance systems: an operational and iterative approach**

*Florian GIROND, Technical Expert, ETI CDC Cambodia*

**10:10-10:30am Surveillance for emerging zoonotic and vector-borne diseases in changing landscapes**

*Kimberly FORNACE, Head, Climate, Environment and Health Programme, NUS Saw Swee Hock School of Public Health*

**10:30-11:00am Coffee Break**

**11:00-11:20am Surveillance of arboviruses and their vectors in Vientiane capital (and in Laos)**

*Cécile TROUPIN, Technical Expert -ETI, Institut Pasteur du Laos*

**11:20-11:40am Catalyzing One Health interventions for antimicrobial resistance with AI and data science**

*Tavpritesh SETI, Associate Professor, Computational Biology, IIIT-Delhi*

**11:40am-12:00pm The implementation guide of the One Health joint plan of action**

*André FURCO, Technical Expert - One Health Approach, World Organisation for Animal Health*

**Session 4: Group discussions (by invitation only)** - CREATE Tower, Level 2, Seminar Room

**2:00-3:30pm Group discussion: Challenges for implementing a One Urban Health approach**

**3:30-4:00pm Tea Break**

**4:00-5:30pm Group discussion: Which objectives for an Urban Health project proposal (with a focus on the prevention of infectious diseases)**

**5:30-6:00pm Closing remarks**

## SCIENTIFIC & ORGANIZING COMMITTEE

Serge MORAND, CNRS, France

Olivier TELLE, CNRS, France (WP leader, SPACE Project)

Clarisse VEYLON-HERVET, Global Health advisor, Southeast Asia, French MoFA

Alex COOK, NUS Saw Swee Hock School of Public Health, (WP leader, SPACE Project)

Gavin SMITH, Duke NUS, Singapore

TAN Boon Huan, NTU Lee Kong Chian School of Medicine, Singapore

Kittipong CHAISIRI, Mahidol University, Thailand

Niramon SERISAKUL, Chulalongkorn University, Thailand



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