

ONE URBAN HEALTH WORKSHOP IN SOUTHEAST ASIA

30-31 JANUARY 2024

CREATE TOWER, SINGAPORE

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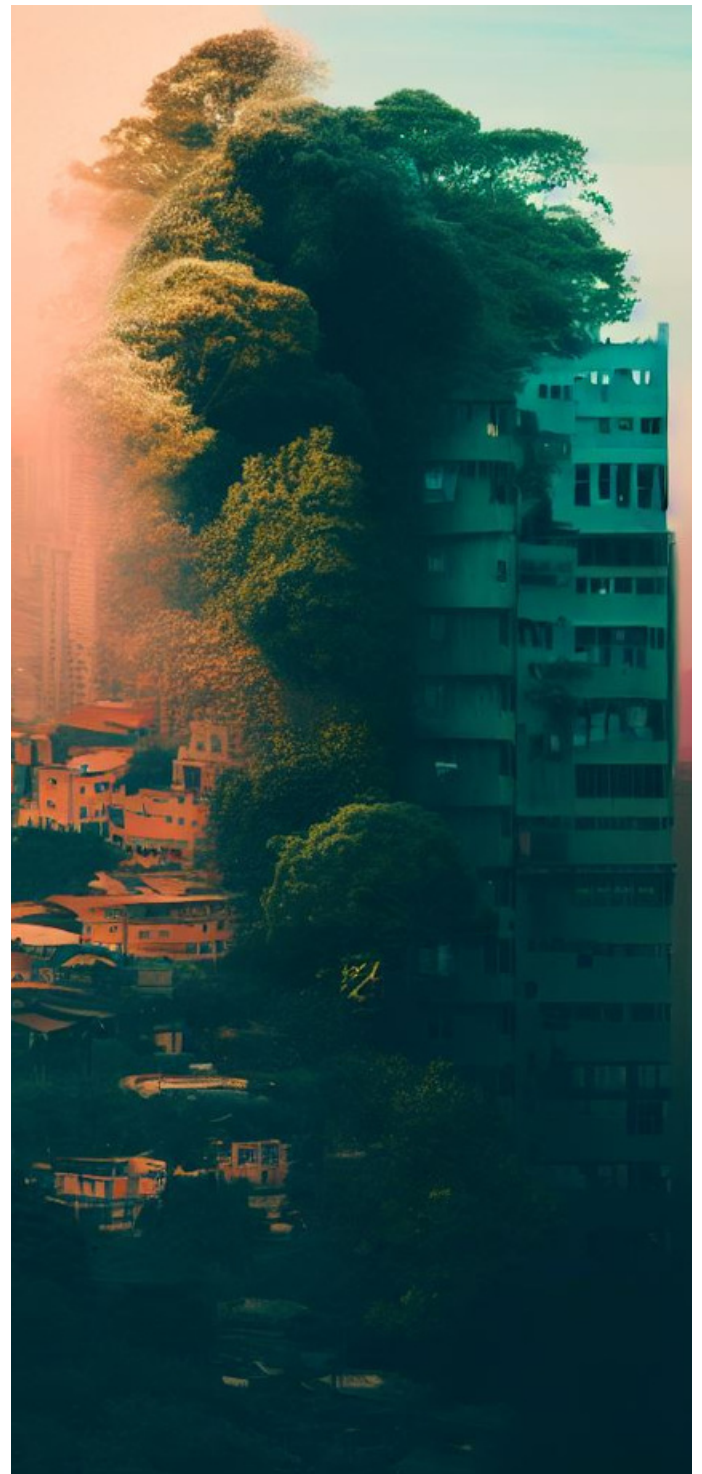
Climate change, escalating pollution, and the loss of wildlife pose major health challenges for individuals in Southeast Asia. Additionally, while historical pathogens like dengue, malaria, and scrub typhus persist, there is an alarming increase in epidemics due to emerging viruses, especially zoonoses,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

Session 1: Overview of One Urban Health in Asia

9:30-9:50am Opening remarks

Natacha AVELINE, Serge MORAND, Olivier TELLE, Research Directors, CNRS

9:50-10:10am Virus ecology: Risk assessment and pandemic preparedness

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

10:10-10:30am Integrated surveillance and control of mosquito borne diseases

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

10:30-10:50am Biosurveillance and biosecurity strategies under city in nature

Kelvin LIM, Director, Biorisk & Biosurveillance, NPARKS

10:50-11:30am Coffee Break

11:30-11:50am Climate change and vector-borne infection

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

11:50am-12:10pm Improving surveillance of rodents and rodent-borne diseases in urban areas

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

12:10-12:30pm 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

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 Minister 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

3:50-4:30pm Status of pathogen genomics across Asia: role in early detection/new tool development

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

4:30-4:50pm 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 dinner

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WEDNESDAY 31 JANUARY 2024

Session 3: Case Studies Presentations

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

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 GIRON, 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

10:30-10:50am Coffee Break

10:50-11:30am Surveillance of arboviruses and their vectors in Vientiane capital (and in Laos)

Cecile TROUPIN, Head of Medical Virology and Rabies group, Institut Pasteur Laos

11:30-11:50am Catalyzing One Health interventions for antimicrobial resistance with AI and data science

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

11:50am-12:10pm 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)

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

3:30-4:00pm Coffee 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

