

Inclusive, Sustainable, Prosperous and Resilient Health Systems in Asia and the Pacific

INSPIRE Health Forum

7-11 July 2025 • A Hybrid Event



Global Heat Health Information Network: The Unseen Impacts of Chronic Heat and the Critical Role of Health Data

13:15-14:30 PM Manila time
Thursday 10 July 2025
Auditorium 1

Scene setting

Introduction of Heat Health & Global Heat Health Information Network (GHHIN)

Assoc Prof. Jason Lee

Director, Heat Resilience & Performance Centre, Yong Loo Lin School of Medicine, National University of Singapore (NUS)

Chair, Global Heat Health Information Network (GHHIN) Southeast Asia Hub





GLOBAL HEAT HEALTH INFORMATION NETWORK SOUTHEAST ASIA

Jason Lee Ph.D., FACSM

Director, Heat Resilience & Performance Centre, Yong Loo Lin School of Medicine,
National University of Singapore (NUS)

Chair, Global Heat Health Information Network (GHHIN) Southeast Asia Hub



Heat Resilience & Performance Centre
Yong Loo Lin School of Medicine



WORLD
METEOROLOGICAL
ORGANIZATION



World Health
Organization

JOINT OFFICE FOR CLIMATE AND HEALTH

Learn ▾

Act ▾

Advocate ▾

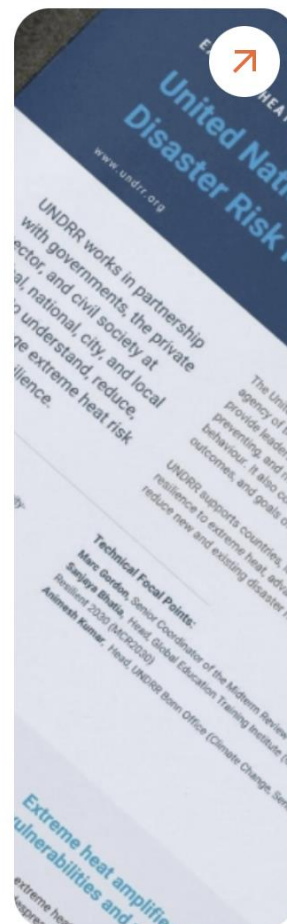
Our Network ▾

Events & News ▾

Subscribe

Extreme heat is a global health emergency.

Billions of people are at risk of preventable death and illness from extreme heat, which is exacerbated by the escalating effects of climate change. Action is urgently needed to save lives.

[Learn More](#)



GLOBAL HEAT HEALTH
INFORMATION NETWORK
SOUTHEAST ASIA

ABOUT THE HUB

PURPOSE

A platform for Southeast Asia to collectively prepare for and protect the population from the health impacts of extreme heat

AFFILIATION

A regional hub of the Global Heat Health Information Network (GHHIN)

SECRETARIAT

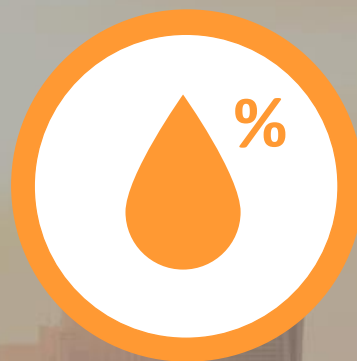
Anchored at the Heat Resilience & Performance Centre (HRPC)
of NUS Yong Loo Lin School of Medicine, National University of Singapore



OUR UNIQUE CHALLENGE



**High
Temperatures**



**High
Humidity**



**Sustained
Exposure**



GLOBAL HEAT HEALTH
INFORMATION NETWORK
SOUTHEAST ASIA

HEAT IMPACTS: THE TIP OF THE ICEBERG

HEAT STROKE
& DEATH



INCREASED HOSPITALISATIONS



STRAIN ON HEALTHCARE SYSTEM



INCREASED ACCIDENTS,
TRAUMA & SUICIDES



ECONOMIC &
PRODUCTIVITY LOSS



GLOBAL HEAT HEALTH
INFORMATION NETWORK
SOUTHEAST ASIA



REDUCED
PHYSICAL
ACTIVITY



MYOPIA



INCREASED
RISK TAKING



MENTAL HEALTH
DETERIORATION



IMPAIRED DECISION
MAKING



IMPAIRED
FERTILITY



CHRONIC EXPOSURE
HEALTH ISSUES



OTHER UNKNOWN
IMPACT

INDIRECT HEALTH IMPACTS



THE STRAITS TIMES SINGAPORE

Worker who died after falling off rooftop likely disoriented from heat stress: Coroner



THE STEERING COMMITTEE



A/Prof Jason Lee (Chair)
Director
Heat Resilience & Performance Centre
National University of Singapore



Dr Eduardo P. Banzon
Director, Health Practice Team
Human and Social Development
Sector Office
Asian Development Bank



Dr Sushma Bhusal
Regional Thematic Lead,
Health and Care,
IFRC Asia Pacific



Mr Ben Churchill
Director
WMO Regional Office for Asia and
the South West Pacific



Dr Jeffery Cutter
Senior Consultant
Ministry of Health, Singapore



Ms Sally Edwards
Coordinator
Health and the Environment
WHO–Western Pacific Region
(WPRO)



Prof Ollie Jay
Director
Heat and Health Research Centre
and Thermal Ergonomics Laboratory
University of Sydney



Ms Koh Li-Na
Asst Chief Executive / Director-General
Meteorological Services and
Radiation Protection
National Environment Agency, SG



Mr Aslam Perwaiz
Executive Director
Asian Disaster Preparedness
Center



Ms Xiaoyan Qian
Director of ILO Decent Work Technical
Support Teams (DWT) for East and
South-East Asia and the Pacific
International Labour Organization



Mr Hussain Rasheed
Director, Healthier Populations and
Non-Communicable Diseases
WHO–South East Asia Region (SEARO)



Prof Ren Chao
Professor
Faculty of Architecture
University of Hong Kong



Dr Joy Shumake-Guillemot
Lead
WHO–WMO Joint Office for
Climate and Health



Dr Sanjay Srivastava
Chief, Disaster Risk Reduction
United National Economic and Social
Commission for Asia and the Pacific

OUR GOALS

PEOPLE

Connect people and institutions to form multi-disciplinary partnerships to reduce heat risks

SCIENCE & INFO

Accelerate the generation of evidence, actionable knowledge, standardised guidance, risk metrics, & effective communication

ACTION

Catalyse regional, national and local policy and action to minimise societal consequences of heat impacts



GLOBAL HEAT HEALTH
INFORMATION NETWORK
SOUTHEAST ASIA

STAKEHOLDER MAP

Meteorology & Climate



Related countries:



Health



Related countries:



Disaster



Related countries:



Research & Academia



Related countries:



Urban Development



Related countries:



Occupational & Economics



Related countries:



Finance & Philanthropy



OUR WORK & PROGRESS REPORT



GLOBAL HEAT HEALTH
INFORMATION NETWORK
SOUTHEAST ASIA



2025 ACTIVITIES

7
ENGAGEMENT
SESSIONS

Led dedicated GHHIN SEA Hub sessions

- ASEANCOF-24
- ADB INSPIRE

Invited speaker at 5 events

- Sunway University Media Training Workshop
- WHO WPRO Community of Practice Webinar
- ARCDAP Fourth Workshop on ASEAN Regional Climate Data Analysis and Projections
- WHA78 Side Event - Temperatures Rising: Preparing and Protecting for Extreme Heat
- IWMI Early Warning for Heatwaves Webinar

10
CORE
ACTIVITIES



2 KEY EVENTS

- First SEA Heat Health Forum
- Journalism Fellowship



Virtual Roundtable
Authored 1 Forum Report & 2 articles



Reviewed & Contributed to 3 Reports
Submitted one grant proposal



Coordinating Virtual Special Issue

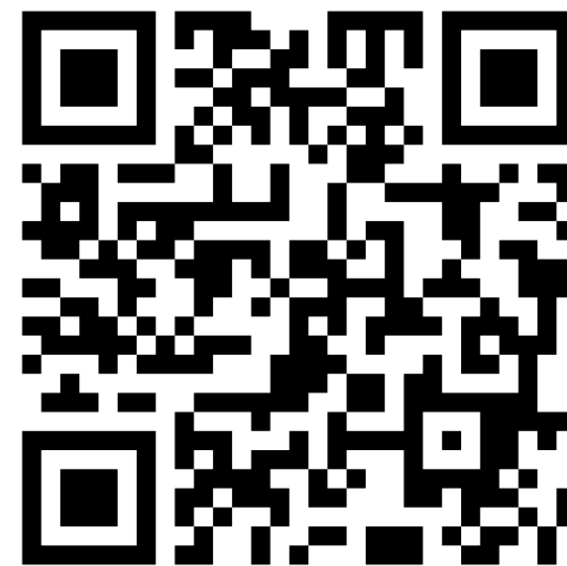




GLOBAL HEAT HEALTH
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SOUTHEAST ASIA

BE A PART OF THE HUB

<https://heathealth.info/southeastasia/>



ACCESS RECORDINGS & MATERIALS OF
THE FIRST SEA HEAT HEALTH FORUM



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