



HEAL

Global Research Centre

HEALTHY ENVIRONMENTS AND LIVES GLOBAL RESEARCH CENTRE

ACKNOWLEDGEMENT OF COUNTRY

"We acknowledge Aboriginal and Torres Strait Islander peoples as the first custodians of the land, seas and waterways of Australia. We respect and honour Elders past, present and future; their culture and knowledges that have intrinsically cared for this Country. In this spirit, we commit to building a sustainable future together."



UNIVERSITY OF
CANBERRA

HEALTH RESEARCH
INSTITUTE

HEALTHY ENVIRONMENTS AND LIVES

GLOBAL RESEARCH CENTRE

VISION

The vision of the HEAL Global Research Centre is to catalyse environmental, climate and health research, knowledge exchange and translation into policy and practice that will bring measurable improvements to global health, health systems, and the environment.



AIMS AND IMPACT

Building healthy, sustainable and climate-resilient communities and health services requires scientific evidence, data and tools to inform policies and practices that will mitigate and adapt to climate change and reduce population exposure to environmental extremes, such as bushfires, pollution, floods and droughts.

The HEAL Global Research Centre provides the scientific evidence and technical expertise that informs climate change risk assessments, vulnerability and adaptation assessments, and national and local actions plans. It aims to protect all people from the health impacts of climate change and environmental degradation, and promote climate-resilient and sustainable communities, cities, and health services in Australia and the world.

Drawing on the outstanding inter-disciplinary expertise of the University of Canberra, embedded in community values and diverse knowledge systems, and on the NHMRC Healthy Environments and Lives (HEAL) National Research Network and other national and international collaborations, the HEAL Centre provides a global solutions-focused hub for research and innovation anchored in the nation's capital.

PROJECTS AND COLLABORATIONS

- INTERNATIONAL
- AUSTRALIAN

Health Effects of Climate Change in the UK
Europe

Tackling the health impact of smoke haze in Southeast Asia (HEAL-HAZE)
Geospatial applications for the control of Tropical Infectious Diseases
South East Asia

Climate Change and Urban Health
Europe

Clean Energy for Healthy Environments and Lives (CE4HEAL)
India

Environmental Health Risks in Nigeria
Africa

Healing People, Country and Climate - Cultural pathways for Change
WA, Australia

NHMRC Healthy Environments And Lives (HEAL) National
Research Network & HEAL Collaboration Network
Australia

The National Health and Climate Strategy - Supporting implementation
Australia

Environmental Health Critical Data Needs Analysis
Australia

KEY AREAS OF EXPERTISE

ENVIRONMENT, CLIMATE CHANGE & HEALTH RISKS



- Population health impacts of climate change and extreme events (heatwaves, bushfires, floods, droughts)
- Population health impacts of environmental degradation and pollution (air, water, soil, waste)
- Impacts of environmental and climate change on health services (primary care, hospitals, urban health)





Heat health burden on First Nations communities in under-resourced remote Australia

NT, Australia

Climate preparedness in very remote desert communities

NT, Australia

Healing Country

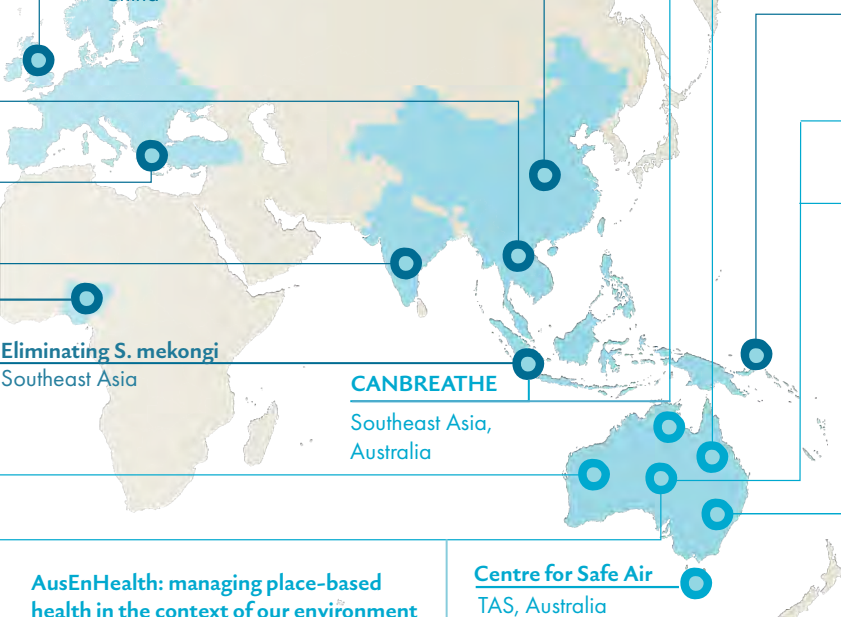
NSW, NT, WA, Australia

Air in Arnhem

NT, Australia

Extreme Weather and Heat Vulnerability

China



Eliminating *S. mekongi*
Southeast Asia

CANBREATHE

Southeast Asia,
Australia

AusEnHealth: managing place-based health in the context of our environment

Australia

Research Link Australia (RLA) - Health and Wellbeing Data Community of Practice

Australia

Centre for Safe Air

TAS, Australia

Vulnerability, Resilience and Adaptation to Climate Disasters

QLD & NSW, Australia

Climate, Environment and Infectious Diseases

QLD, Australia

Supporting Climate Change and Health Policies and Action Plans in the Pacific

The Pacific

Assessment of Heat Effects on Health and Adaptation Measures

Australia

Health Sector Decarbonisation Studies

Australia

Healthy Air Project: Pollution Advice for People with Asthma

ACT & NSW, Australia

Community resilience Centres for Improving Climate Adaptation to Bushfire Smoke and Heatwaves (ClimateRes)

ACT & NSW, Australia

Bushfires, Health Protection and Risk Communication

ACT & NSW, Australia

Coming home, making home, valuing home: A health and wellbeing evidence-base for Aboriginal cultural and climate appropriate community-designed home

NSW, Australia

Wood Heaters and Air Purification Trial

NSW, Australia

Active Travel and Public Health

NSW, Australia

MITIGATION & ADAPTATION SOLUTIONS



- Evaluation of climate change adaptation solutions (housing, transport, green space, air quality, heat-health plans)
- Evaluation of climate change mitigation co-benefits (clean energy, active travel, electrification)
- Decarbonisation of the health sector (healthcare infrastructure, public health services, treatment and management of patients)



POLICY & PRACTICE IMPLEMENTATION



- Implementation of climate and health policy (intervention analysis, health impact assessment, cost-effectiveness analysis)
- Implementation of environmental, public and urban health policy
- Climate, environment and health communication (risk communication, citizen science, behavioural science)



Pictured: The HEAL National Research Network consisting of EMCRs and the Leadership Executive Committee



OUR PEOPLE

Core Team



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VISITING FELLOWS

National



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HEAL Global Research Centre supports these United Nations Sustainable Development Goals:



GOAL 3: Ensure healthy lives and promote well-being for all at all ages

GOAL 7: Ensure access to affordable, reliable, sustainable and modern energy

GOAL 10: Reduce inequality within and among countries **GOAL 11:** Make cities inclusive, safe, resilient and sustainable

GOAL 13: Take urgent action to combat climate change and its impacts