



Healthy Environments And Lives – HEAL 2021

Conference Programme, 17 November 2021

Day 1

Welcome & Opening Addresses (12.30-13.15 AEDT)

- 12.30 Associate Professor Linda Payi Ford, Northern Institute, Charles Darwin University.
Acknowledgement of Country.
- 12.40 Professor Russell Gruen, Dean of the Australian National University College of Health and Medicine
- 12.45 Professor Brian Schmidt, Vice-Chancellor of The Australian National University
- 12.50 Professor Anne Kelso AO, CEO, National Health and Medical Research Council
- 13.00 Professor Sotiris Vardoulakis, Australian National University, and Director of the Healthy Environments And Lives (HEAL) Network. *Title: Overview of the HEAL Network.*

Plenary Session 1 (13.15-15.00 AEDT)

Session Chair: Professor Sotiris Vardoulakis, The Australian National University

- 13.15 Dr Janine Mohamed, CEO of Lowitja Institute, Australia's National Institute for Aboriginal & Torres Strait Islander Health Research.
- 13.30 Professor Mark Howden, Director of the Institute for Climate, Energy & Disaster Solutions at the Australian National University, and Vice-Chair of IPCC.
Title: A climate change science and health update
- 13.45 Professor Andrea Hinwood, United Nations Environment Programme Chief Scientist and first Chief Environmental Scientist of Victorian Environment Protection Authority.
Title: Environmental Hazards and Health Protection in Australia
- 14.00 Professor Alistair Woodward, Professor at the University of Auckland and lead author in the IPCC AR6. *Title: Public health & climate change. Has done well. Could do better.*
- 14.15 Professor Tarun Weeramanthri, Public Health Association of Australia President and former Northern Territory and Western Australia Chief Health Officer. *Title: If the next decade is critical for climate action, what will health researchers need to do differently?*
- 14.30 Professor Carmen Lawrence, Emeritus Professor at the University of Western Australia, and first woman Premier and Treasurer of a State government in Australia.
Title: Dominion over all the earth: Our uneasy relationship with the natural world.

- 14.45 **Break (15 min)**



Day 1. Thematic Breakout Sessions (15.00-16.30 AEDT)

Room 1	Room 2	Room 3	Room 4	Room 5	Room 6
<p>Aboriginal & Torres Strait Islander Knowledges <u>Convenors:</u> Dr Veronica Matthews (University Centre for Rural Health), Associate Professor Linda Payi Ford (CDU), Dr Brad Farrant (Telethon Kids Institute)</p>	<p>Health System Resilience & Sustainability <u>Convenors:</u> Adj Assoc Professor Rebecca Haddock (Australian Healthcare & Hospitals Association), Dr Elly Howse (The Australian Prevention Partnership Centre)</p>	<p>Bushfires, Air Pollution, and Extreme Weather Events <u>Convenors:</u> Professor Fay Johnston (University of Tasmania), Associate Professor Geoffrey Morgan (University of Sydney)</p>	<p>Urban health, built environment and nature based solutions <u>Convenors:</u> Dr Emily Flies (University of Tasmania), Dr Nicola Willand (RMIT)</p>	<p>Data and Decision Support Systems: Exemplary Platforms <u>Convenors:</u> Dr Tim Chaston and Dr Ivan Hanigan (University of Sydney)</p>	<p>Biosecurity and Emerging Infections <u>Convenors:</u> Professor Wenbiao Hu (QUT), Professor Colleen Lau (University of Queensland)</p>
<p>15.40 – 15.45 Break – with the option to stay in the same Zoom room or move across sessions</p>					
<p>Clean Energy Solutions <u>Convenors:</u> Amelia Joshy (Australian National University), Dr Supriya Mathew (Menzies School of Health Research)</p>	<p>Planetary Health Equity: exiting the consumptogenic system <u>Convenor:</u> Professor Sharon Friel (Australian National University)</p>	<p>Science Communication <u>Convenors:</u> Professor Iain Walker and Dr Eryn Newman (Australian National University)</p>	<p>Rural and Remote Health (Food and Water Security) <u>Convenors:</u> Professor Ross Bailie (University Centre for Rural Health), Professor John Wakerman (Menzies School of Health Research)</p>	<p>Data and Decision Support Systems for Environmental Health Applications <u>Convenors:</u> Paula Fiévez (FrontierSI), Distinguished Professor Kerrie Mengersen (QUT)</p>	<p>At-risk Populations, Early Life Effects and Life-Course Solutions <u>Convenors:</u> Dr Caitlin Wyrwoll (University of Western Australia), Associate Professor Alexander Larcombe (Telethon Kids Institute), Professor Philip Hansbro (Centenary Institute)</p>



Plenary Session 2 (16.30-17.45 AEDT)

Session Chair: Professor Lucie Rychetnik, The Australian Prevention Partnership Centre

16.30 Keynote: Fiona Armstrong, CEO Climate and Health Alliance. *Title: Framework for a national strategy on climate, health and wellbeing for Australia*

16.40 Panel discussion: *Implementation of a national strategy on climate, health and wellbeing in Australia – how we make it happen?*

- Professor Tarun Weeramanthri, President, Public Health Association of Australia
- Dr Angie Bone, Deputy Chief Health Officer (Environment), Department of Health, Victoria
- Ronda Clarke, AHCWA Sector Engagement Officer, Aboriginal Health Council of Western Australia
- Uma Rajappa, Director, Environmental Hazards, Health Protection Directorate, Queensland Health
- Associate Professor Carmel Williams, Co-Director, WHO Collaborating Centre of Health in All Policies, University of Adelaide & University of South Australia

17.20 Synthesis of panel discussion. Professor Lucie Rychetnik and Fiona Armstrong

17.30 Rebecca Gredley, Senior Media Advisor, Climate Media Centre
Title: *Do you want to be a climate media star?*

17.45 **End of Day 1**



Healthy Environments And Lives – HEAL 2021

Conference Programme, 18 November 2021

Day 2

Welcome & Opening Address (12.30-12.45 AEDT)

- 12.30 Dr Veronica Matthews, University Centre for Rural Health, University of Sydney.
Acknowledgement of Country.
- 12.40 Honourable Dr Jeannette Young PSM, Governor of Queensland. *Opening Address.*

Plenary Session 3 (12.45-14.45 AEDT)

Session Chair: Dr Veronica Matthews, University Centre for Rural Health, University of Sydney

- 12.45 Professor Kris Ebi, Center for Health & the Global Environment, University of Washington.
Title: *Our future is ours to choose.*
- 13.00 Dr Matthew Riley, Director of Climate & Atmospheric Science, NSW Department of Planning, Industry and Environment.
Title: *NSW Government action on climate change: Setting targets and using our integrated climate, energy, air pollution and health modelling system.*
- 13.15 Professor Fay Johnston, Menzies Institute for Medical Research, University of Tasmania.
Title: *Reflections on Prometheus.*
- 13.30 Dr Rebecca Patrick, Director of Deakin University's Sustainable Health Network, and immediate past President and Chair of the Climate and Health Alliance.
Title: *Climate, nature and mental health: evidence, policy and partners.*
- 13.45 Professor Tony Capon, Director of the Monash Sustainable Development Institute.
Title: *Human ecology to inform research and action on environmental change and health.*
- 14.00 Associate Professor Ying Zhang, University of Sydney, and Associate Professor Paul Beggs, Macquarie University, Co-Chairs of the MJA-Lancet Countdown on Health and Climate Change in Australia.
Title: *The MJA Lancet Countdown on Health and Climate Change in Australia, and it's 2021 Report*
- 14.15 Dr Kate Charlesworth, Medical Consultant, Planetary Health, Northern Sydney Local Health District, and Senior Advisor, Environmental Health, NSW Health.
Title: *Net Zero. Carbon: the new currency for health.*

14.30 ***Break (15 min)***



Day 2. Regional Breakout Sessions (14.45-16.45 AEDT)

Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8
<p>New South Wales <u>Convenors:</u> <i>Dr Thava Palanisami (University of Newcastle), Associate Professor Xiaoqi Feng (UNSW), Dr Veronica Matthews (University Centre for Rural Health), Associate Professor Geoffrey Morgan (University of Sydney)</i></p>	<p>Victoria <u>Convenors:</u> <i>Professor Rebecca Bentley (University of Melbourne), Jaithri Ananthapavan (Deakin University), Dr Nigel Goodman (RMIT)</i></p>	<p>Queensland <u>Convenors:</u> <i>Professor Cordia Chu (Griffith University), Associate Professor Nick Osborne (University of Queensland)</i></p>	<p>Western Australia <u>Convenors:</u> <i>Dr Brad Farrant & Associate Professor Alexander Larcombe (Telethon Kids Institute) Professor Peter Le Souef, Dr Caitlin Wyrwoll & Professor Nanthi Bolan (University of Western Australia), Associate Professor Richard Norman (Curtin University)</i></p>	<p>South Australia <u>Convenors:</u> <i>Professor Craig Williams (University of South Australia), Associate Professor Carmel Williams (University of Adelaide & University of South Australia)</i></p>	<p>Northern Territory <u>Convenors:</u> <i>Professor Alan Cass (Menzies School of Health Research Associate), Professor Linda Payi Ford (CDU), Dr Supriya Mathew (Menzies School of Health Research)</i></p>	<p>Tasmania <u>Convenor:</u> <i>Dr Emily Flies and Professor Fay Johnston (University of Tasmania)</i></p>	<p>Australian Capital Territory <u>Convenors:</u> <i>Professor Sotiris Vardoulakis (Australian National University), Dr Ro McFarlane (University of Canberra)</i></p>
Virtual attendance	Virtual attendance	Virtual & Face-to-face attendance	Virtual & Face-to-face attendance	Virtual & Face-to-face attendance	Virtual & Face-to-face attendance	Virtual & Face-to-face attendance	Virtual attendance

Please contact the session convenors for the details of the face-to-face sessions



Plenary Session 4 (16.45-17.45 AEDT)

Session Chair: Associate Professor Carmel Williams, WHO Collaborating Centre of Health in All Policies, University of Adelaide & University of South Australia

16.45 Panel discussion: *How to translate environmental health research into policy and practice? Examples of best practice and insights from different regions*

- Sarah Brown AM, CEO, Purple House, Northern Territory.
Title: *Tjukururru Wangkantjaku – doing things the right way*
- Jaime Yallup Farrant, Convenor Climate Justice Union, Western Australia
Title: *Relationships and communities of practice as the necessary foundations for research that produces real and impactful change.*
- Professor Philip Weinstein, School of Public Health, University of Adelaide, South Australia
- Distinguished Professor Billie Giles-Corti, Director, Healthy Liveable Cities Lab, RMIT, Melbourne, Victoria

17.25 Best Poster Award: *Presented by Professor Jane Heyworth (University of Western Australia) and Dr Brenda Lin (CSIRO)*

17.30 Closing Remarks: *Professor Bin Jalaludin (UNSW) and Dr Elly Howse (The Australian Prevention Partnership Centre)*

17.45

End of Day 2



Day 1. Thematic Breakout Sessions – detailed programme

Session A: 15:00 to 15:40 AEDT

Session A, Room 1: Aboriginal & Torres Strait Islander Knowledges

Convenors: Dr Veronica Matthews, University Centre for Rural Health, University of Sydney
Associate Professor Linda Payi Ford, Northern Institute, Charles Darwin University
Dr Brad Farrant, Telethon Kids Institute

- 15.00 Welcome, introduction to Knowledge theme, and Healing Country project (Story-data maps): Dr Veronica Matthews, University Centre for Rural Health, University of Sydney
- 15.08 Aunty Mara West, Kulunga Unit, Telethon Kids Institute
Title: *Water security on WA homelands*
- 15:16 Associate Professor Linda Payi Ford and Ms Chloe Ford, Charles Darwin University
Title: *Caring for Country (Our Knowledge, Our Way)*
- 15:24 Panel discussion: *Aboriginal Knowledge for Country's health & our health*
- Aunty Mara West
 - Associate Professor Linda Payi Ford
 - Ms Chloe Ford
- 15:40 End of breakout session



Session A, Room 2: Health System Resilience & Sustainability

Convenors: Adj Associate Professor Rebecca Haddock, Australian Healthcare & Hospitals Association

Dr Elly Howse, The Australian Prevention Partnership Centre

15:00 **Welcome:** Adj Associate Professor Rebecca Haddock, Australian Healthcare & Hospitals Association and Professor Alexandra Barratt, University of Sydney

15:05 Dr Arunima Malik, University of Sydney

15:15 Professor Priya Rajagopalan, RMIT University

15:25 **Panel Discussion:**

Facilitated by Dr Elly Howse, The Australian Prevention Partnership Centre

- Dr Eugenie Kayak
- Mr Gerard Duck, NSW Health
- Associate Professor Katy Bell, University of Sydney
- Dr Arunima Malik, University of Sydney
- Professor Priya Rajagopalan, RMIT University

15:40 **End of breakout session**



Session A, Room 3: Bushfires, Air Pollution, and Extreme Weather Events

Convenors: Professor Fay Johnston, University of Tasmania
Associate Professor Geoffrey Morgan, University of Sydney

- 15.00 Welcome and theme overview: Professor Fay Johnston, University of Tasmania
- 15.05 Prof David Bowman, University of Tasmania
Title: *Viewing the 2019-2020 Australian bushfire crisis through a pyrogeographic lens*
- 15:15 Dr John Bates, Research Director, Natural Hazards Research Australia
Title: *Overview of the new Natural Hazards Research Centre, including the vision and framework for the Centre, and the priority setting process.*
- 15:25 Panel discussion and Q&A:
- Associate Professor Anthony Kiem, University of Newcastle
 - Dr Alana Hansen, University of Adelaide
 - Professor Ian Walker, Australian National University
- 15:35 Summary and next steps: Professor Fay Johnston, University of Tasmania
- 15.40 End of breakout session



Session A, Room 4: Urban health, built environment and nature based solutions

Convenors: Dr Emily Flies, University of Tasmania
Dr Nicola Willand, RMIT

- 15:00 Introduction to Session and Convenors: Associate Professor Xiaoqi Feng, University of New South Wales
- 15:02 Dr Emily Flies, University of Tasmania
Title: *Understanding urban-nature health benefits*
- 15:09 Dr Riccardo Paolini, University of New South Wales
Title: *Urban overheating on heat related mortality and the impact of heat mitigation technologies*
- 15:16 Professor Craig Liddicoat, Flinders University
Title: *Restoring health-promoting microbial biodiversity – A role for biodiverse plant-soil systems*
- 15:23 Merched Azzi, NSW Department of Planning Infrastructure and Environment
Title: *Exploring the relationship between dust and health impacts in NSW*
- 15:30 Dr Nicola Willand and Dr Nigel Goodman, RMIT University
Title: *Indoor environmental quality in the built environment*
- 15:37 Closing Remarks: Dr Emily Flies, University of Tasmania, and Dr Nicola Willand, RMIT
- 15:40 End of breakout session



Session A, Room 5: Data and Decision Support Systems: Exemplary Platforms

Convenors: Dr Tim Chaston, University of Sydney
Dr Ivan Hanigan, University of Sydney

- 15.00 Introduction: Dr Tim Chaston and Dr Ivan Hanigan, University of Sydney
- 15.05 Dr Ivan Hanigan, CARDAT, University of Sydney
- 15:15 Dr Graeme Kernich, CEO FrontierSI
- 15:25 Prof Yuming Guo, Global Assessments, Monash University
- 15:35 Associate Professor Nasser Bagheri, VIDEA, University of Canberra
- 15:40 End of breakout session



Session A, Room 6: Biosecurity and Emerging Infections

Convenors: Professor Wenbiao Hu, QUT
Professor Colleen Lau, University of Queensland

- 15:00 Associate Professor Ricardo Soares Magalhaes, University of Queensland
Title: *Research horizons for One Health surveillance and response of environmentally driven zoonoses*
- 15:10 Professor Philip Hansbro and Dr Matt Johansen, University of Technology Sydney
Title: *Establishing cellular and animal models to investigate COVID-19 pathogenesis and to identify effective therapies*
- 15:20 Professor Craig Williams, University of South Australia
Title: *Citizen science for vector surveillance: towards a national strategy.*
- 15:30 Q&A
- 15:40 End of breakout session



Session B: 15:45 to 16:30 AEDT

Session B, Room 1: Clean Energy Solutions

Convenors: Amelia Joshy, Australian National University
Dr Supriya Mathew, Menzies School of Health Research

Chair: Dr Veronica Matthews, University Centre for Rural Health, University of Sydney

- 15:45 Catherine Joyce, Charles Darwin University
Title: *Enabling equitable energy transitions to support social and environmental health*
- 15:50 Professor Sotiris Vardoulakis, Australian National University, and HEAL Network Director
Title: *Clean Energy for Healthy Environments and Lives in Central Australia and South India: The CE4HEAL project*
- 15:55 Norman Frank Jupurrurla, Warramungu Elder, from Julalikari, Northern Territory, and Dr Simon Quilty, Australian National University
Title: *Houses that Harm*
- 16:00 Professor Krishna Vasudevan, Indian Institute of Technology Madras
Title: *Microgrids for Clean Power*
- 16:05 **Panel Discussion and Q&A**
- Michael Tuckwell, Ekistica
 - Prarthana Borah, Clean Air Asia, Indian Office
 - Professor Shiva Nagendra, Indian Institute of Technology Madras

Key questions for panellists:

- Brief overview of where the clean energy sector is heading and how this is meeting the challenges of a healthy, climate-resilient and environmentally sustainable future
- Highlight some examples, innovations or stories you wish to share
- What are the key barriers and enablers for solar energy in Central Australia and South India?

16:30 **End of breakout session**



Session B, Room 2: Planetary Health Equity: exiting the consumptogenic system

Convenor: Professor Sharon Friel, Australian National University

15.45 Professor Sharon Friel, Australian National University
Title: *Transforming the consumptogenic system – key to planetary health equity*

16.00 Panel discussion and Q&A:

Chaired by Professor Kathryn Bowen, Melbourne University

- Professor Steven Allender, Deakin University
- Professor Fran Baum, Flinders University
- Professor Fred Gale, University of Tasmania
- Professor Lucie Rychetnik, The Australian Prevention Partnership Centre
- Professor Sharon Friel, Australian National University

16:30 End of breakout session



Session B, Room 3: Science Communication

Convenors: Professor Iain Walker, Australian National University
Dr Eryn Newman, Australian National University

- 15:45 Welcome: Professor Iain Walker and Dr Eryn Newman, Australian National University
- 15:50 Dr Janie Busby Grant, Psychology Department, University of Canberra
- 15:55 Professor Kelly Fielding, Institute for Social Science Research, University of Queensland
- 16:00 Professor Kathryn Williams, Ecosystem and Forest Sciences, University of Melbourne
- 16:05 Dr John Cook, Climate Change Communication Research Hub, Monash University
- 16:10 Professor Ullrich Ecker, School of Psychological Science, University of Western Australia
- 16:15 Q&A and Panel Discussion
- 16:30 End of breakout session



Session B, Room 4: Rural and Remote Health (Food and Water Security)

Convenors: Professor John Wakerman, Menzies School of Health Research
Professor Ross Bailie, University Centre for Rural Health, University of Sydney

15:45 Introduction, welcome and Acknowledgement of Country

15:50 Professor Dora Marinova, Curtin University Sustainability Policy (CUSP) Institute
Title: *Generation Z and food preferences*

15:55 Dr Emma Austin, Centre for Water, Climate and Land, University of Newcastle
Title: *Drought-related Stress Among Farmers During the Millennium Drought*

16:00 Dr Nina Lansbury, University of Queensland

16:05 Panel Discussion:

Chaired by Professor John Wakerman, Menzies School of Health Research

- Dr Jo Longman, University of Sydney
- Dr Emma Austin, University of Newcastle
- Professor Dora Marinova, Curtin University Sustainability Policy (CUSP) Institute

16:30 End of breakout session



Session B, Room 5: Data and Decision Support Systems for Environmental Health Applications

Convenors: Paula Fiévez, FrontierSI
Distinguished Professor Kerrie Mengersen, QUT

15:45 Introduction: Paula Fiévez, FrontierSI

15:50 Overview of known challenges and benefits: Dist. Professor Kerrie Mengersen, QUT

15:55 Proposed solution: The vision and elements of a solution

16:00 Panel discussion:

- Dr Claire Sparkes, Australian Institute of Health and Welfare (AIHW)
- Dr Martine Dennekamp, EPA Victoria
- Professor Stuart Barr, Australian Urban Research Infrastructure Network (AURIN)
- Dr Veronica Matthews, University Centre for Rural Health, University of Sydney
- Dr Martin McNamarra, Sax Institute

16:20 Dr Aiden Price, Queensland University of Technology
Title: *Prioritising activity with the audience via interactive polling tool menti metre*

16:25 Review of prioritisation activity and next steps: Dist. Professor Kerrie Mengersen, QUT

16:30 End of breakout session



Session B, Room 6: At-risk Populations, Early Life Effects and Life-Course Solutions

Convenors: *Dr Caitlin Wyrwoll, University of Western Australia*
Associate Professor Alexander Larcombe, Telethon Kids Institute
Professor Philip Hansbro, Centenary Institute

15.45 Welcome

15.50 Panel discussion

- Bella Burgemeister, Climate Justice Activist
- Laureate Professor Roger Smith, Co-Director Priority Research Centre for Reproductive Science, University of Newcastle, and Director Mothers and Babies Research Centre, Department of Endocrinology, John Hunter Hospital
- Professor Raina McIntyre, Head of Biosecurity Program, Kirby Institute
- Katelin McNerney, Better Renting Campaigner

16:20 Discussion and Audience perspectives

16:25 Closing Remarks

16:30 End of breakout session



Day 2. Regional Breakout Sessions – detailed programme

14:45 to 16:45 AEDT

Room 1: New South Wales

Convenors: *Dr Thava Palanisami, University of Newcastle*
Associate Professor Xiaoqi Feng, University of New South Wales
Dr Veronica Matthews, University Centre for Rural Health, University of Sydney
Associate Professor Geoffrey Morgan, University of Sydney

14.45 **Welcome and HEAL NSW introduction:** Dr Veronica Matthews, University Centre for Rural Health, University of Sydney, and Assoc Prof Geoffrey Morgan. University of Sydney

15.50 **Presentations and panel discussion:**

- Kathleen Beyer, NSW PIE
- Gerard Duck, NSW Health
- Jeff Standen, NSW Health (Healthy Housing)
- Jessica Spencer, Aboriginal Environmental Health (TBC)
- Professor Richard Bush, Director, NSW EPA
- Elissa Klinkenberg, Sustainability Project Manager, Hunter New England Local Health District

16:45 **End of breakout session**



Room 2: Victoria

Convenors: *Professor Rebecca Bentley, University of Melbourne*
 Jaithri Ananthapavan, Deakin University
 Dr Nigel Goodman, RMIT

14.45 Introduction

14.50 Invited presentations:

Moderated by Professor Alistair Woodward

- Karyn Bosomworth, Lord Mayor's Charitable Foundation
- Mark Taylor, Chief Environmental Scientist, EPA Victoria
- Angie Bone, VIC Department of Health
- Erwin Loh, Chief Medical Officer, St Vincent's Health
- Rebecca Patrick, Climate and Health Alliance, and Deakin University
- Toby Cumming, Sustainability Victoria

Invited Reflections from Researchers:

- Karyn Bowen, Melbourne Climate Futures, University of Melbourne
- Billie Giles-Corti, Urban Observatory, RMIT University
- Rebecca Patrick, Sustainable Health Network, Deakin University
- Amanda Wheeler, Behaviour, Environment and Cognition Research Program, Australian Catholic University

16:40 Interactive synthesis

16:45 End of breakout session



Room 3: Queensland

Convenors: Professor Cordia Chu AM, Griffith University
Associate Professor Nicholas Osborne, University of Queensland

- 14:35 Queensland's Environmental Change and Health Threats: Research evidence, gaps and policy priorities
[AEST 13:35 -14:45]

Welcome and overview
Welcome to Queensland (Acknowledgement, welcome and housekeeping)
Nicholas Osborne, School of Public Health, the University of Queensland
- 14:41 Overview of the three sessions
Professor Cordia Chu AM, Centre for Environment and Population Health, Griffith University
- 14:46 Session 1: Key concerns, policies, and research needs from stakeholders
[AEST 13:46 -14:34]
- 14:47 Alistair Dawson, Inspector General of Emergency Management Queensland; Adjunct Professor, Centre for Environment and Population Health, Griffith University
Title: *Some of the key health challenges relating to environmental and climate change in Queensland*
- 14:53 Ben Norris, Manager, Drought, Disaster and Emergency Incidents Team, Strategy, Planning and Partnership Unit, Mental Health Alcohol and other Drugs Branch, QLD Health
Title: *Climate Risk Events and Mental Health: A brief overview of the Mental Health Drought and disaster Portfolio*
- 14:59 Jack Thomson, *Strategy Lead - Emergency Services, Australian Red Cross*; the Australian Red Cross
Title: *The challenges for Emergency Services in a period of transformative disaster risk*
- 15:05 Zhihong Gu, Program Manager, Hepatitis, HIV/AIDS and Sexual Health Program, Ethnic Community Council Queensland
Title: *Inclusive of culturally and linguistically diverse (CaLD) populations*
- 15:11 Mike Lollback, Manager – Member & Advisory Services, Local Government Association of Queensland (LGAQ)
Title: *Queensland Councils – Remaining sustainable in an unsustainable world*
- 15:17 Uma Rajappa Director Environmental Hazards, Health Protection Directorate, Queensland Health.
Title: *Queensland Health Climate Risk Strategy*
- 15:23 Q&A
- 15:34 Session 2: Research evidence, gaps and future direction
[AEST 14:34-15:20]
- 15:35 Professor Maxine Whittaker, Co-Director WHO Collaborating Centre for Vector-Borne and Neglected Tropical Diseases, College of Public Health, Medical and Veterinary Sciences, James Cook University.



Title: *Healthy Tropics: A One Health Perspective*

Through a One Health Lens, Maxine will briefly explore the links between the diverse environments, and environmental pressures and changes and human health, illustrated with examples from James Cook University.

- 15:41 Professor Hamish McCullum: Director, Centre for Planetary Health and Food Security, Griffith University
Title: *Predicting and mitigating zoonotic spill-over from bats, using flying foxes and Hendra virus as a model system*
- 15:47 Noore Alam, Epidemiology Team Lead, Former Public Health Incident Management Team (Epi COVID-19 Team), Queensland Health; PhD candidate, CEPH, Griffith University
Title: *Epidemic intelligence and knowledge sharing for futureproofing of global health security threats*
- 15:53 Dr Darrell Strauss, Senior Research Fellow, the Coastal Resilience Lead of the Coastal and Marine Research Centre, Griffith University, Gold Coast, Australia,
Title: *Building Coastal Hazard Resilience and Emergency Management Decision Support Systems*
- 15:59 Elena Schak, researcher, film director and producer, Griffith Film School
Title: *Film as a tool for sharing your work*
Using story and images to reach different audiences for science communication.
- 16:06 Q&A
- 16:16 Session 3: Discussion Forum on policies and research priorities for Queensland [AEST 15:16-15:45]
- 16:17 Panel discussions with audience participation
Session Co-Chairs:
Professor Cordia Chu AM, Centre for Environment and Population Health, Griffith University
Associate Professor Nicholas Osborne, School of Public Health, the University of Queensland
- Collin Sivalingum, State Manager, Emergency Services, Australian Red Cross-QLD
 - Alistair Dawson, Inspector General of Emergency Management Queensland;
 - Uma Rajappa Director Environmental Hazards, Health Protection Directorate, Queensland Health
Mike Lollbeck, Manager – Member & Advisory Services, Local Government Association of Queensland (LGAQ)
 - Ben Norris, Manager, Drought, Disaster and Emergency Incidents Team, Strategy, Planning and Partnership Unit, Mental Health Alcohol and other Drugs Branch, QLD Health
 - Professor Maxine Whittaker, WHO Collaborating Centre for Vector-Borne and Neglected Tropical Diseases, College of Public Health, Medical and Veterinary Sciences, James Cook University
 - Professor Hamish McCullum, Director, Centre for Planetary Health and Food Security, Griffith University



- Noore Alam, Epidemiology Team Lead, Former Public Health Incident Management Team
- Elena Schak, researcher, film director and producer, Griffith Film School
- Dr Darrell Strauss, Senior Research Fellow, the Coastal Resilience Lead of the Coastal and Marine Research Centre, Griffith University

16:40 Messages from the younger generation of researchers:

- Connie Gan, Centre for Environment and Population Health, Griffith University
- Igor Popovic, School of Public Health, University of Queensland

16:44 Summing up: Associate Professor Nicholas Osbourne, University of Queensland, and Professor Cordia Chu AM, Griffith University

16:45 End of breakout session



Room 4: Western Australia

Convenors: *Dr Brad Farrant, Telethon Kids Institute*
Associate Professor Alexander Larcombe, Telethon Kids Institute
Professor Peter Le Souef, University of Western Australia
Dr Caitlin Wyrwoll, University of Western Australia
Professor Nanthi Bolan, University of Western Australia
Associate Professor Richard Norman, Curtin University

14:45 **Scene Setting Panel:**

Facilitated by Jaime Yallup Farrant, Climate Justice Union and Dr Caitlin Wyrwoll, University of Western Australia

- Aunty Mara West, Telethon Kids Institute
- Bella Burgemeister, WA youth climate activist
- Dr Brad Farrant, Telethon Kids Institute, and HEAL WA Regional Lead

16:45 **End of breakout session**



Room 5: South Australia

Convenors: *Professor Craig Williams, University of South Australia*
Associate Professor Carmel Williams, University of Adelaide & University of South Australia

14:45 Welcome: Professor Craig Williams, University of South Australia, and Associate Professor Carmel Williams, University of Adelaide & University of South Australia

14:55 Plenary Session:

- Professor Craig Williams, University of South Australia
- Associate Professor Carmel Williams, Health Translation SA
- Professor Corey Bradshaw, Flinders University

Break and Networking opportunities

Panel Discussion:

Facilitated by SA Node HEAL Chief Investigators and others

- Professor Erica Donner
- Associate Professor Katherine Baldock
- Dr Martin Breed, Flinders University
- Professor Peng Bi, University of Adelaide

16:30 Close and Next steps: Professor Craig Williams, University of South Australia, and Associate Professor Carmel Williams, University of Adelaide & University of South Australia

16:45 End of breakout session



Room 6: Northern Territory

Convenors: Professor Alan Cass, Menzies School of Health Research
Associate Professor Linda Payi Ford, Charles Darwin University
Dr Supriya Mathew, Menzies School of Health Research

14:45 Welcome

15:05 Series of presentations HEAL partnership Organisations:

- Karen Avery, Department of Environment, Parks and Water Security
- Mark Dsouza, NT Department of Health
- Associate Professor Kerstin Zander, Charles Darwin University
- Michael Klerck, Tangentyere Council
- Lauren Mellor, Original Power
- Presenter to be confirmed, AMSANT
- Molly Shorthouse, Miwatj Aboriginal Corporation
- Dr Simon Quilty, Purple House
- Mark Mayo, Menzies School of Health Research
- Emma Delahunty, Central Australian Aboriginal Congress

Panel discussion

16:45 End of breakout session

Room 7: Tasmania

Convenors: Dr Emily Flies, University of Tasmania
Professor Fay Johnston, University of Tasmania

- 14:45 Session 1: Wood heaters and health: Translating emerging research into policy and practice
Nicolas Borchers Arriagada, University of Tasmania
Title: *The health economics of wood heaters*
- 14:50 Associate Professor John Todd, University of Tasmania
Title: *Wood heaters and carbon account*
- 14:55 Dr Christine Cowie, University of New South Wales
Title: *Using low-cost sensors to map wood heater smoke pollution*
- 15:00 Dr Melita Keywood, CSIRO
Title: *NESP - Opportunities for project development*
- 15:05 Session 1 Panel Discussion:
- Dr John Innis, EPA Tasmania
 - Kate Garvey, Tasmania Public Health Service
 - Dorothy Robinson, Consumers / local government
- 15:45 Session 2: Nature-based solutions for health: translating knowledge for health impacts
Dr Emily Flies, University of Tasmania
Title: *Why nature-based solutions for health?*
- 15:50 Todd Dudley, Landcare Tasmania, and Dr Pauline Marsh, University of Tasmania
Title: *How eco-restoration can benefit wellbeing*
- 15:55 Dr Dave Kendal, University of Tasmania
Title: *The Sustainable Communities and Waste Hub: opportunities for involvement*
- 16:00 Beck Harrison
Title: *Tasmanian Active Living Coalition: translating knowledge to policy for health*
- 16:05 Session 2 Panel Discussion:
- Anita Pryor, Australian Association for bush adventure therapy
 - Peter Stronach, Landcare Tasmania
 - Sharnie Reed, Tasmanian Aboriginal Centre (Strong in Country program)
 - Rosalie Woodruff, Tasmania Greens MP
- 16:45 End of breakout session



Room 8: Australian Capital Territory

Convenors: Professor Sotiris Vardoulakis, Australian National University and HEAL Network Director
Dr Ro McFarlane, University of Canberra

14:45 Welcome: Professor Sotiris Vardoulakis, Australian National University and HEAL Network Director, and Dr Ro MacFarlane, University of Canberra

Keynotes

14:50 Dr Sarah Perkins-Kirkpatrick, University of New South Wales (Canberra)
Title: *Current & future Australian heatwaves: their changes, and how we may be able to attribute their health impacts to climate change*

14:55 Professor Iain Walker, Head of Psychology, Australian National University
Title: *Challenges for understanding human-environment systems*

15:00 Dr Ro McFarlane, University of Canberra
Title: *Win-win-win outcomes for healthy environments and people*

15:05 Panel Discussion

Moderator: Professor Sotiris Vardoulakis, Australian National University and HEAL Network Director

Special Guest: Rebecca Vassarotti MLA, ACT Minister for the Environment, Heritage, Sustainable Building and Construction, Homelessness and Housing Services

Panel:

- Dr Sophie Lewis, ACT Commissioner for Sustainability and the Environment
- Professor Mark Howden, Director, ANU Institute for Climate, Energy & Disaster Solutions, and Chair of ACT Climate Change Council
- Dr Paul Bannister, ACT Climate Change Council member, and built environment consultant
- Dr Stewart Sutherland, Australian National University Medical School, Indigenous Health
- Helen Oakey, Executive Director, Conservation Council ACT
- Adrian Salinas, CEO Electromotiv
- Michael Claessens, CEO Regional Development Australia (ACT)
- Dr Peter Tait, Australian National University Medical School, and Public Health Association of Australia environmental interest group convenor

16:40 Closing Remarks: Dr Ro McFarlane, University of Canberra, and Professor Sotiris Vardoulakis, Australian National University and HEAL Network Director

16:45 End of breakout session