



# HEAL 2022 Conference

Transformational Change for Environmental, Planetary,  
and Human Health

Conference Program



**DAY 1**  
**Wednesday 23 November 2022**

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**Welcome & Opening Address (12.00 – 12.30 AEDT)**

**Session Chair: Professor Sotiris Vardoulakis, Australian National University**

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12.00 AEDT	<b>Acknowledgment of Country</b> Associate Professor Linda Payi Ford, Northern Institute, Charles Darwin University
12.10 AEDT	<b>Opening Address</b> The Hon Ged Kearney MP, Assistant Minister of Health and Aged Care
12.20 AEDT	<b>Overview of the HEAL Network</b> Professor Sotiris Vardoulakis, Australian National University, Director of the Healthy Environments And Lives (HEAL) – National Research Network

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**Plenary Session and Keynote Panel (12.30 – 14.10 AEDT)**

**Session Chair: Professor Sotiris Vardoulakis, Australian National University**

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12.30 AEDT	Professor Anne Poelina, Indigenous Studies Nulungu Institute Research, University of Notre Dame and College Indigenous Education Futures, Arts & Society, Charles Darwin University <i>Title: TBC</i>
12.45 AEDT	Professor Raina MacIntyre, Kirby Institute, UNSW <i>Title: EPIWATCH, an AI-based early warning system</i>
13.00 AEDT	Professor Petra Tschakert, School of Media, Creative Arts and Social Inquiry, Curtin University <i>Title: Paralysis and restoration in transformational change for inclusive health</i>
13.15 AEDT	Dr Nick Watts, Chief Sustainability Officer of the NHS and Institute for Global Health, University College London <i>Title: Delivering a Net Zero Healthcare System</i>

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**Plenary Chair: Professor Alistair Woodward, University of Auckland**

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13.30 AEDT	Professor Anne Poelina, University of Notre Dame and Charles Darwin University Professor Raina MacIntyre, Kirby Institute, UNSW Professor Petra Tschakert Curtin University Dr Janine Mohamed, CEO of Lowitja Institute Professor Kristie Ebi, University of Washington
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**14.10 AEDT** **Break (30 min)**

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**Regional Breakout Sessions (14.40 – 18.00 AEDT)**

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14.40 AEDT	Hybrid sessions Identify regional priorities and evidence needs; set research/co-design and implementation plans Networking opportunities and social event  <i>PLEASE CHECK THE TIME OF YOUR REGIONAL BREAKOUT SESSION ON INDIVIDUAL PROGRAMS FROM PAGE 7</i>
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**18.00 AEDT** **End of Day 1**

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## DAY 1

### Regional Breakout Sessions (14.40 – 18.00 AEDT)

<i>Room 1</i>	<i>Room 2</i>	<i>Room 3</i>	<i>Room 4</i>	<i>Room 5</i>	<i>Room 6</i>	<i>Room 7</i>	<i>Room 8</i>
<p><b>New South Wales</b> <u>Convenors:</u> Assoc Prof Veronica Matthews (University Centre for Rural Health), and Assoc Prof Geoff Morgan (University of Sydney), Justin Noel (Facilitator, OriginCG)</p>	<p><b>Victoria</b> <u>Convenors:</u> Prof Rebecca Bentley &amp; Prof Iain Walker (University of Melbourne), Dr Nicola Willand (RMIT), Dr Nigel Goodman (Australian National University), Dr Claire Henderson-Wilson (Deakin University)</p>	<p><b>Queensland</b> <u>Convenors:</u> Prof Cordia Chu (Griffith University), Assoc Prof Nick Osborne (University of Queensland)</p>	<p><b>Western Australia</b> <u>Convenors:</u> Dr Brad Farrant, Assoc Prof Alexander Larcombe, Mara West &amp; Rebecca Watkinson (Telethon Kids Institute), Prof Peter Le Souef, Prof Nanthi Bolan &amp; Dr Raewyn Mutch (University of Western Australia), Jamie Yallup Farrant &amp; Lucie O'Sullivan (Climate Justice Union WA)</p>	<p><b>South Australia</b> <u>Convenors:</u> Prof Craig Williams (University of South Australia), Assoc Prof Carmel Williams (Health Translation SA, SAHMRI and School of Public Health University of Adelaide)</p>	<p><b>Northern Territory</b> <u>Convenors:</u> Prof Alan Cass, Prof John Wakerman &amp; Dr Supriya Mathew (Menzies School of Health Research), Assoc Prof Linda Payi Ford (Charles Darwin University)</p>	<p><b>Tasmania</b> <u>Convenor:</u> Prof Fay Johnston &amp; Dr Stefania Ondei (University of Tasmania)</p>	<p><b>Australian Capital Territory</b> <u>Convenors:</u> Prof Sotiris Vardoulakis, Dr Peter Tait &amp; Dr Stewart Sutherland (Australian National University), Asst Prof Ro McFarlane (University of Canberra)</p>
<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual</b>	<b>Virtual &amp; face-to-face attendance</b>	<b>Virtual &amp; face-to-face attendance</b>
<p><u>Location:</u> ABS Seminar Room 2003, University of Sydney Business School, Darlington Campus, Sydney</p>	<p><u>Location:</u> Room 89, Level 6 Garden Building Building 10, RMIT University, City Campus, Melbourne</p>	<p><u>Location:</u> N78 1.19, Griffith University, Nathan Campus, Brisbane</p>	<p><u>Location:</u> Seminar room G24, Harry Perkins Institute of Medical Research, 6 Verdun Street Nedlands, Perth</p>	<p><u>Location:</u> Level 8, Bradley Building, University of South Australia City West Campus, North Terrace, Adelaide</p>		<p><u>Location:</u> Social Sciences Room 209, University of Tasmania, Sandy Bay campus, Hobart</p>	<p><u>Location:</u> Research School of Physics, 60 Mills Road, Australian National University, Acton Campus, Canberra</p>



**DAY 2**  
**Thursday 24 November 2022**

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**Welcome & Opening Address (12.00 – 12.30 AEDT)**

**Session Chair: Associate Professor Veronica Matthews, University Centre for Rural Health**

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| 12.00 AEDT | <b>Acknowledgment of Country</b><br>Associate Professor Veronica Matthews, University Centre for Rural Health, University of Sydney |
| 12.10 AEDT | <b>HEAL Regional Hub Feedback</b><br>HEAL representatives from each Australian jurisdiction   |
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**Plenary Session and Keynote Panel (12.30 – 14.10 AEDT)**

**Session Chair: Associate Professor Veronica Matthews, University Centre for Rural Health**

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| 12.30 AEDT | Professor Eugenie Kayak, Austin and Alfred Health and DEA's National Sustainable Healthcare Special Interest Group<br><i>Title: Transforming healthcare to net zero: responsibilities, pathways and opportunities for planetary and public health.</i> |
| 12.45 AEDT | Professor Mark Patrick Taylor, EPA Victoria and Macquarie University<br><i>Title: TBC</i>  |
| 13.00 AEDT | Professor Kristin Aunan, CICERO Center for International Climate Research, EXHAUSTION and ENBEL<br><i>Title: Transdisciplinary collaboration for transformational change</i>   |
| 13.15 AEDT | Dr Diarmid Campbell-Lendrum, Climate Change and Health unit, WHO Headquarters<br><i>Title: TBC</i>   |
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**Plenary Chair: Adjunct Professor Tarun Weeramanthri, Public Health Association of Australia**

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| 13.30 AEDT | Professor Eugenie Kayak, Austin and Alfred Health and DEA<br>Professor Mark Patrick Taylor, EPA Victoria and Macquarie University<br>Dr Diarmid Campbell-Lendrum, Climate Change and Health unit, WHO Headquarters<br>Dr Donald Wilson, Fiji Institute of Pacific Health Research, Fiji National University<br>Francyne Wase-Jacklick, Ministry of Health & Human Services, Republic of the Marshall Islands |
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14.20 AEDT	<b>Break (10 min)</b>
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**Thematic Breakout Sessions (14.30 – 17.10 AEDT)**

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14.30 AEDT	<b>Session A Breakouts</b>
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15.45 AEDT	<b>Break (10 min)</b>
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15.55 AEDT	<b>Session B Breakouts</b>
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17.10 AEDT	<b>Break (10 min)</b>
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**Awards & Closing Address (17.20 – 17.50 AEDT)**

***Session Chair: Daniela Espinoza Oyarce, Australian National University***

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17.20 AEDT

***Upcoming HEAL Network Initiatives***

Jaithri Ananthapavan, Deakin University

Associate Professor Carmel Williams, Health Translation SA, SAHMRI and School of Public Health  
University of Adelaide

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17.30 AEDT

***Best Poster & Oral Presentation Awards***

Awards Committee

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17.35 AEDT

***Closing Remarks***

Professor Sotiris Vardoulakis, Australian National University, Director of the Healthy Environments  
And Lives (HEAL) – National Research Network

Associate Professor Veronica Matthews, University Centre for Rural Health, University of Sydney

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17.50 AEDT

***End of Day 2***

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## DAY 2

### Online Thematic Breakout Sessions (14.40 – 17.00 AEDT)

<i>Room 1</i>	<i>Room 2</i>	<i>Room 3</i>	<i>Room 4</i>	<i>Room 5</i>	<i>Room 6</i>
<p><b>Aboriginal &amp; Torres Strait Islander Knowledges</b>  <u>Convenors:</u>            Assoc Prof Veronica Matthews (University Centre for Rural Health),            Assoc Prof Linda Payi Ford (Charles Darwin University)</p>	<p><b>Health System Resilience &amp; Sustainability</b>  <u>Convenors:</u>            Prof Alex Barratt (University of Sydney),            Adj Assoc Prof Rebecca Haddock (Australian Healthcare &amp; Hospitals Association)</p>	<p><b>Bushfires, Air Pollution, and Extreme Weather Events / Rural and Remote Health</b>  <u>Convenors:</u>            Prof Fay Johnston &amp; Dr Stefania Ondeï (University of Tasmania),            Assoc Prof Geoff Morgan &amp; Professor Ross Bailie (University of Sydney),            Prof John Wakerman &amp; Dr Supriya Mathew (Menzies School of Health Research)</p>	<p><b>Urban health, built environment and nature based solutions</b>  <u>Convenors:</u>            Prof Xiaoqi Feng (University of New South Wales),            Prof Rebecca Bentley (University of Melbourne)</p>	<p><b>Biosecurity and Emerging Infections</b>  <u>Convenors:</u>            Prof Wenbiao Hu (Queensland University of Technology),            Assoc Prof Ricardo Soares Magalhaes &amp; Prof Colleen Lau (University of Queensland)</p>	<p><b>Climate change and mental wellbeing</b>  <u>Convenors:</u>            Assoc Prof Fiona Charlson (University Queensland),            Dr Claire Henderson-Wilson &amp; Dr Rebecca Patrick (Deakin University)</p>

**15.35 – 15.45 Break (10 min) with option to stay in the same Zoom room or move across sessions**

<p><b>Clean Energy Solutions</b>  <u>Convenors:</u>            Prof Sotiris Vardoulakis &amp; Amelia Joshy (Australian National University)</p>	<p><b>Planetary Health Equity</b>  <u>Convenor:</u>            Prof Sharon Friel (Australian National University)</p>	<p><b>At-risk Populations, Early Life Effects and Life-Course Solutions</b>  <u>Convenors:</u>            Prof Philip Hansbro &amp; Dr Keshav Paudel (Centenary Institute)</p>	<p><b>Food, Soil, and Water Security</b>  <u>Convenors:</u>            Prof Nanthi Bolan (UWA),            Prof Erica Donner (University of South Australia)</p>	<p><b>Data and Decision Support Systems</b>  <u>Convenors:</u>            Dr Ivan Hanigan (Curtin University), Prof Kerrie Mengersen &amp; Dr Aiden Price (Queensland University of Technology)</p>	<p><b>Science Communication</b>  <u>Convenors:</u>            Prof Iain Walker (University of Melbourne),            Prof Cordia Chu (Griffith University)</p>
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## DAY 1

### Hybrid Regional Breakout Sessions (14.40 – 18.00 AEDT)

#### Room 1: New South Wales

Location: Online and in-person at ABS Seminar Room 2003, University of Sydney Business School, Darlington Campus, Sydney

Convenors: Associate Professor Veronica Matthews, University Centre for Rural Health, University of Sydney  
Associate Professor Geoff Morgan, University of Sydney

Facilitator: Justin Noel, Origin Communications Australia

Session Topic: Focus on good co-design practice that will enhance research relevance and knowledge translation for the HEAL Network in NSW

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14.40 AEDT	<b>Welcome and HEAL NSW Knowledge Exchange Forum</b> Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney; Assoc Prof Geoffrey Morgan, University of Sydney; and Mr Justin Noel, Origin Communications Australia
14.50 AEDT	<b>Co-Design Case Studies &amp; Panel</b> <ul style="list-style-type: none"><li>• <u>Case study 1:</u> Rebecca Ivers, Head of School of Population Health, UNSW</li><li>• <u>Case study 2:</u> Jess Spencer &amp; Jeff Standen, Aboriginal Environmental Health, NSW Health</li><li>• <u>Case study 3:</u> Lucie Rychetnik, Co-Director of The Australian Prevention Partnership Centre, University of Sydney</li></ul>
15.20 AEDT	<b>Panel Discussion</b> <i>Co-design for Cultural/research governance; research translation; responding to community research priorities; Communities of Practice and Research Networking</i> Panellists: <ul style="list-style-type: none"><li>• Justin Noel, Origin Communications Australia</li><li>• Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney</li><li>• Prof Rebecca Ivers, UNSW</li><li>• Jess Spencer, NSW Health</li><li>• Jeff Standen, NSW Health</li><li>• Prof Lucie Rychetnik, The Australian Prevention Partnership Centre, University of Sydney</li></ul>
15.50 AEDT	<b>Breakout Sessions and Feedback – NSW HEAL Knowledge Exchange Forum</b> <ul style="list-style-type: none"><li>• How, what and who?</li><li>• Identify process/format, regional priorities, stakeholders</li><li>• Identify regional priorities</li></ul>
16.30 AEDT	<b>HEAL NSW Hub Panel and Wrap up:</b> Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney; Assoc Prof Geoffrey Morgan, University of Sydney, and others <ul style="list-style-type: none"><li>• Session summary and discussion</li><li>• Next steps</li></ul>
17.00 AEDT	<b>Thank you and Networking Event</b>
18.00 AEDT	<b>End of breakout session</b>

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## **Room 2: Victoria**

**Location:** *Online and in-person at Room 89, Level 6 Garden Building 10, RMIT University, City Campus, Melbourne*

**Convenors:** *Professor Rebecca Bentley, University of Melbourne  
Dr Nigel Goodman, Australian National University  
Dr Nicola Willand, RMIT  
Dr Claire Henderson-Wilson, Deakin University  
Professor Iain Walker, University of Melbourne*

**Session Aim:** *Setting Victorian priorities for climate change and health*

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<b>14.40 AEDT</b>	<b>Introduction</b> Prof Rebecca Bentley & Prof Iain Walker, University of Melbourne; Dr Nicola Willand, RMIT; Dr Nigel Goodman, Australian National University; Dr Claire Henderson-Wilson, Deakin University
<b>14.50 AEDT</b>	<b>Keynote Addresses</b> Professor Mark Patrick Taylor, Environment Protection Authority Victoria Dr Angie Bone, Deputy Chief Health Officer, Environment Department of Health and Human Services Victoria
<b>15.00 AEDT</b>	<b>Floods and Bushfires: Current and Emerging Issues (Maribyrnong/Echuca Moama)</b> Prof Rebecca Bentley, University of Melbourne
<b>15.10 AEDT</b>	<b>Grant Opportunities</b> Invited Research Office Experts from RMIT and University of Melbourne
<b>16.50 AEDT</b>	<b>Mapping of Skills/Interests Survey</b> Dr Nicola Willand, RMIT and Dr Nigel Goodman, Australian National University
<b>17.00 AEDT</b>	<b>Synthesis</b> Prof Rebecca Bentley & Prof Iain Walker, University of Melbourne; Dr Nicola Willand, RMIT; Dr Nigel Goodman, Australian National University; Dr Claire Henderson-Wilson, Deakin University
<b>18.00 AEDT</b>	<b>End of breakout session</b>

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## Room 3: Queensland

Location: Online and in-person at N78 1.19, Griffith University, Nathan Campus, Brisbane

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

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### Opening of the Queensland Session

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13.15 AEST	<b>Acknowledgement of Country</b>
13.20 AEST	<b>Welcome and Opening</b> Professor Carolyn Evans, Griffith University Vice Chancellor
13.25 AEST	<b>Overview of Queensland Community of Practice</b> Professor Cordia Chu, Griffith University

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### Session 1: Identifying Regional Gaps, Priority Issues and Directions for Building Disaster Resilience in Queensland

*Session Chair: Assoc Prof Nick Osborne, University of Queensland*

13.30 AEST	Jimmy Scott, A/Chief Executive Officer, Queensland Reconstruction Authority <i>Title: Queensland's experience from disaster recovery to resilience</i>
13.45 AEST	Hamish McCallum, Centre for Planetary Health and Food Security, Griffith University <i>Title: Zoonotic spillover: An ecological/One Health perspective</i>
14.00 AEST	Margaret Cook, University of Sunshine Coast <i>Title: What does QLD's disaster history inform us about what we need to do to prepare for the future?</i>
14.10 AEST	Kimba Wong, Senior Meteorologist, Bureau of Meteorology QLD <i>Title: Seasonal outlook and longer-term climate change</i>
14.20 AEST	Panel Discussion

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### Session 2: Translational Research in Action

*Session Chair: Prof Cordia Chu, Griffith University*

14.35 AEST	Prof Cordia Chu, Griffith University <i>Title: Introduction: A brief overview of Queensland's Framework for Community of Practices and translational research</i>
14.40 AEST	Dung Phung, University of Queensland and multi-national teams <i>Title: A user-friendly digital prediction tool for Dengue prevention in Vietnam (Wellcome Trust Grant)</i>
14.55 AEST	Connie Gan, Griffith University and International Network of Health Promoting Hospitals and Health Services (HPH), Health Care Without Harm <i>Title: Future-Proofing hospitals through action research: outcome evidence and upscaling (WHO HEDRM Grant)</i>
15.10 AEST	Collin Sivalingum, Febi Dwirahmadi & Community Organisation partners <i>Title: Fostering Culturally Inclusive and Future Prepared Emergency Management (QRRF Grant), The Australian Red-Cross-QLD, Griffith University and QLD Community of Practice Partners</i>
15.25 AEST	Q&A

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### 15.35 AEST Coffee/Tea Break (15 min)

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### Session 3: Partnership and Network Formation

*Moderator: Elena Schak, Griffith Film School*

15.50 AEST	<b>Australian</b> Julia Goh, Australian Medical Student Association (Code Green) The Australian Medical Student Association's Code Green Hackathon
16.00 AEST	<b>International</b> Prof Virginia Murray, Head of Global Disaster Risk Reduction, UK Health Security Agency UNDRR-ISC Hazards Information Profiles and links to the WHO Health Emergency and Disaster Risk Management Research Network



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16.10 AEST	<b>Queensland</b> Allison Rifai, Executive Manager-Research and Communication, IGEM Research and Disaster Management Communities of Practice
16.25 AEST	<b>Discussion</b> <i>Facilitator: Paul Barnes, Judith Neilson Research Fellow in Disaster Resilience at the University of NSW &amp; Coordinator of the UNSW Resilient Futures Collective</i> Gaps and future direction for transformational changes? How to facilitate multi-sector collaborations? How to involve younger generations for climate action? Panellists: <ul style="list-style-type: none"><li>• Dr Margaret Cook, a history lecturer at the University of the Sunshine Coast (USC) specialising in the history of “natural” disasters in Australia.</li><li>• Ms Kimba Wong, Senior Meteorologist at the Bureau of Meteorology in Queensland.</li><li>• Dr Peter Schneider, Principal Environmental Health Scientist Queensland Health.</li><li>• Dr Allison Rifai, the A/Executive Manager – Research and Engagement, Office of the Inspector-General of Emergency Management.</li><li>• Prof Wenbiao Hu, Director, Australia-China Centre for Public Health (QUT) &amp; Program Lead for the biosecurity &amp; emerging infections of HEAL.</li><li>• Ms Elena Schak, researcher, film director and producer, Griffith Film School, Science communicator</li><li>• Dr Alison Peel is a Senior Research Fellow at the Centre for Planetary Health and Food Security, Griffith University.</li><li>• Dr Aiden Price, Research Associate, Project Manager -- AusEnHealth Initiative, Centre Chief Investigator, QUT Centre for Data Science.</li><li>• Dr Dung Phung, Senior Lecturer, School of Public Health, University of Queensland</li><li>• Dr Connie Cai Ru Gan is an action researcher, lecturer, and course convenor of ‘Environment and Population Health’ at Griffith University</li></ul>
17.00 AEST	<b>QLD Hub Outcomes Sum Up</b> Priority climate and health issues for climate action? Future-prepared climate action: What QLD needs to do?
17.10 AEST	<b>Informal dialogue on Needs and Activities for QLD HEAL Community of Practices in 2023</b>
17.30 AEST	<b>Networking and Dinner</b>

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## **Room 4: Western Australia**

**Location:** Online and in-person at Seminar room G24, Harry Perkins Institute of Medical Research, 6 Verdun Street Nedlands, Perth

**Convenors:** Assoc Prof Brad Farrant, Telethon Kids Institute  
Lucie O-Sullivan, Climate Justice Union WA  
Jaime Yallup Farrant, Climate Justice Union WA  
Aunty Mara West, Telethon Kids Institute  
Professor Peter Le Souef, University of Western Australia  
Clinical Associate Professor Raewyn Mutch, University of Western Australia  
Professor Nanthi Bolan, University of Western Australia  
Associate Professor Alexander Larcombe, Telethon Kids Institute  
Rebecca Watkinson, Telethon Kids Institute

**Session Topic:** Discuss the work of HEAL in WA to date, identify priorities, and help co-design what HEAL will look like going forward including the WA HEAL Communities of Practice

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12.00 AWST	<b>LUNCH (1 hr)</b>
13.00 AWST	<b>Welcome</b>
13.10 AWST	<b>Scene Setting and Welcome to Country</b> Uncle Noel Nannup & Aunty Mara West
13.40 AWST	<b>Participatory workshop bringing together a diverse group of people with lived experience, policy makers, service providers and researchers. Will include listening to Elders, yarns, creative small group processes and paired reflections.</b>
16.00 AWST	<b>End of breakout session</b>

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## **Room 5: South Australia**

**Location:** Online and in person at Level 8, Bradley Building, University of South Australia City West Campus, North Terrace, Adelaide

**Convenors:** Professor Craig Williams, University of South Australia  
Associate Professor Carmel Williams, Health Translation SA, SAHMRI and School of Public Health University of Adelaide

**Session Topic:** To describe SA government environmental health strategies and build linkages between researchers and end users.

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14.30 ACDT	<b>Welcome</b> Professor Craig Williams, (University of South Australia, and HEAL SA Regional Hub Lead)
14.40 ACDT	<b>Plenary Talk</b> Dr Sarah Moulds, University of South Australia Senior Lecturer in Law <i><u>Title:</u> The right to a healthy environment: human rights, legislation, and vulnerable people</i>
15.00 ACDT	<b>State of the State</b> Associate Professor Carmel Williams, Health Translation SA, SAHMRI and School of Public Health University of Adelaide <i><u>Title:</u> Mapping the diversity of major research grants and SA government strategies for building healthy environments and lives</i>
15.20 ACDT	<b>Case Studies of SA Government Environment and Health Strategies</b>
15.45 ACDT	<b>Workshop with SA Government Research End Users</b> To explore new linkages and key questions for building future strategic research translation for healthy environments
16.30 ACDT	<b>Networking Event</b>
17.30 ACDT	<b>End of breakout session</b>

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## **Room 6: Northern Territory**

**Location:** Virtual only

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

**Session Topic:** To discuss structure and operation of the CoP (e.g., frequency of meetings, number of nodes for the CoP, affiliate membership within the HEAL CoP, advisory group) and identify climate health research priorities for the NT node

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13.10 ACST	<b>Welcome</b>
13.20 ACST	<b>Group Conversations to Set the HEAL NT Community of Practice</b>
15.45 ACST	<b>Wrap-up</b>
16.30 ACST	<b>End of breakout session</b>

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## **Room 7: Tasmania**

**Location:** *Online and in person at Social Sciences Room 209, University of Tasmania, Sandy Bay campus, Hobart*

**Convenors:** *Professor Fay Johnston, University of Tasmania  
Dr Stefania Ondej, University of Tasmania*

**Session Topic:** *The session will focus on the Community of Practice. What does a Community of Practice mean for Tasmanians? What are the key sectors, goals, and services it should focus on? As the Tas HEAL Node seeks to establish a Community of Practice in Tasmania, we will tackle those questions and all others that will arise during the session, to ensure that the Community of Practice will address the needs of the community it aims to support*

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**14.40 AEDT**     **Welcome**

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**14.45 AEDT**     **Introduction on unconferences and Communities of Practice**

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**15.10 AEDT**     **Unconference**

*The session will be a participatory event where we will prioritize conversation over presentation. As such, the agenda will be flexible to accommodate topics and issues related to Communities of Practice that will emerge during the session.*

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**18.00 AEDT**

**End of breakout session**

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## **Room 8: Australian Capital Territory**

**Location:** *Online and in-person at ANU Research School of Physics, 60 Mills Road, Acton, Ngunnawal Country/Canberra*

**Convenors:** *Professor Sotiris Vardoulakis, HEAL Director, Australian National University  
Dr Ro McFarlane, University of Canberra  
Dr Peter Tait, Australian National University  
Dr Stewart Sutherland, Australian National University*

**Transformation statement:**

The HEAL ACT Hub wants an ecologically sustainable and climate/environmental change resilient community and health system that will achieve optimal wellbeing for residents of the ACT and Capital Region, but ultimately for all populations. The Hub will work within the context of the current ACT Climate Change, Wellbeing and Health Strategies and policy environment, where Canberrans are supportive of change, but the health care and environmental protection systems can in cases be more resistant to transformation. We seek to find innovative and collaborative ways to overcome divisions and barriers, while evaluating and supporting policies and interventions that can bring multiple health, environmental, and societal benefits. We will do this by building a Community of Practice comprising policymakers, healthcare providers, Indigenous and culturally and linguistically diverse groups, public health practitioners, climate change and environmental protection bodies, researchers and others who will lead transformation research to define and inform changes to the ACT population health, health care, climate change adaptation, and environmental protection systems. The ACT Community of Practice will also work to bridge key gaps in knowledge, practice and policy for climate, the environment and health in the region and outside of it.

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**14.40 AEDT Acknowledgement of Country**

Dr Stewart Sutherland, ANU Medical School

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**14.45 AEDT Welcome**

Professor Sotiris Vardoulakis, HEAL Director and HEAL ACT Hub leader, Australian National University

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**14.50 AEDT Opening Addresses**

Professor Russell Gruen, Dean of ANU College of Health and Medicine

Hon Shane Rattenbury, ACT Minister for Climate Change and Sustainability (pre-recorded)

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**15.00 AEDT Scene-Setting Talks**

Professor Mark Howden, Chair of ACT Climate Change Council, and Director of ANU Institute for Climate, Energy & Disaster Solutions

Dr Ro McFarlane, University of Canberra

Dr Miranda Harris, ACT Health

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**15.20 AEDT Panel Discussion**

*Moderator: Prof Sotiris Vardoulakis, HEAL Director, Australian National University*

Dr Arnagretta Hunter, ACT Climate Change Council and ANU Medical School

Professor Mark Howden, Chair of ACT Climate Change Council and Director of ANU Institute for Climate, Energy & Disaster Solutions

Professor Jacki Schirmer, University of Canberra

Dr Stewart Sutherland, ANU Medical School

Dr Miranda Harris, ACT Health

Kate Gorman, Deputy Director of the Health Care Consumers Association

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<b>16.10 AEDT</b>	<b>Tea Break</b>
<b>16.20 AEDT</b>	<b>Breakout Discussion Groups</b> <i>Moderator: Mark Spain</i> <ul style="list-style-type: none"><li>• HEAL ACT regional priorities and Theory of Change – needs assessment, outputs, research co-design and implementation plan</li><li>• Health sector responses to climate disruption and environmental change</li><li>• Building stakeholder engagement with HEAL activities</li><li>• How the HEAL Community of Practice can help achieve the best health, environmental and societal outcomes for broader change</li></ul>
<b>17.20 AEDT</b>	<b>Report Back on Breakout Discussions</b>
<b>17.50 AEDT</b>	<b>Closing Remarks and Next Steps</b> Dr Peter Tait and Professor Sotiris Vardoulakis, Australian National University
<b>18.00 AEDT</b>	<b>End of breakout session</b> Reception on-site

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## DAY 2

### Online Thematic Breakout Sessions A (14.30 – 15.45 AEDT)

#### **Room 1: Aboriginal and Torres Strait Islander health and knowledge translation for building resilience to environmental change**

Convenors: Associate Professor Linda Payi Ford, Charles Darwin University  
Associate Professor Veronica Matthews, University Centre for Rural Health, University of Sydney

Session Topic: Perspectives from Indigenous youth on the conference theme (Transformational Change for Environmental, Planetary, and Human Health) with focus on role of Aboriginal and Torres Strait Islander wisdom to achieve transformational change

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14.30 AEDT	<b>Welcome</b> Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney; Assoc Prof Linda Payi Ford, Charles Darwin University
14.35 AEDT	<b>Invited Talks</b> Facilitated by Assoc Prof Veronica Matthews, University Centre for Rural Health <ul style="list-style-type: none"><li>A/Prof Petra Buergelt, University of Canberra <i>Title: Waka Njurrkanhayngu - Regenerating the Existence of Life Working Together Two-way</i></li><li>Kris Vine, University of Sydney <i>Title: Healing Country – Co-creating Evaluation Processes and Resources for Community-driven Climate Change Adaptation Planning</i></li></ul>
15.05 AEDT	<b>Panel Discussion</b> Facilitated by Assoc Prof Linda Payi Ford, Charles Darwin University Invited Panellists: <ul style="list-style-type: none"><li>Amba-Rose Atkinson, Gumbaynggirr</li><li>Djarra Delaney, Quandamooka</li><li>Tiahni Adamson, Torres Strait Islander</li></ul>
15.35 AEDT	<b>Q&amp;A</b>
15.45 AEDT	<b>End of breakout session</b>

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## **Room 2: Health system resilience to environmental change and sustainability**

**Convenors:** Professor Alex Barratt, University of Sydney  
A/Professor Rebecca Haddock, Australian Healthcare & Hospitals Association

**Session Aim:** At Glasgow COP26, fifty countries committed to low-carbon health services, with fourteen countries further committing to net-zero carbon health services by 2050. Australia was not one of those countries, but we need to cut carbon emission and get to net zero. Encouragingly, the recent federal budget announced \$3.4 million (over four years) to develop both a National Health and Climate Strategy and Unit. No health system in the world has yet achieved net zero. So how will we get there?

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14.30 AEDT	<b>Acknowledgement of Country and Introduction to theme and speakers</b> Prof Alex Barratt, University of Sydney
14.35 AEDT	<b>Invited Talks</b> <ul style="list-style-type: none"><li>• Fiona Armstrong &amp; Stefanie Carino, CAHA <i>Title: Health systems sustainability map</i></li><li>• Dr Scott McAlister, University of Sydney <i>Title: Carbon footprint of hospital diagnostic imaging in Australia</i></li><li>• Dr Sean Docking, Monash University <i>Title: Health policy and diagnostic imaging in Australia</i></li></ul>
15.25 AEDT	<b>Q&amp;A</b>
15.40 AEDT	<b>Wrap up</b> A/Professor Rebecca Haddock, Australian Healthcare & Hospitals Association
15.45 AEDT	<b>End of breakout session</b>

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### **Room 3: Bushfires, air pollution, heatwaves, and other extreme events, and their impact on physical, mental, and community health & Rural and remote health**

**Convenors:** Professor Fay Johnston, University of Tasmania  
Associate Professor Geoffrey Morgan, University of Sydney  
Dr Stefania Ondei, University of Tasmania  
Professor Ross Bailie, University of Sydney  
Professor John Wakerman, Menzies School of Health Research  
Dr Supriya Mathew, Menzies School of Health Research

**Session Topic:** Provide a brief overview of the Theme objective including the strategic planning that will occur for the next several months to develop the theme “implementation plan”. We will then present selected abstracts for oral presentation from the submitted abstracts as well as 2 invited presentations with a focus on the themes of translational research and/or rural remote health.

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14.30 AEDT    **Welcome**

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14.35 AEDT    **Invited Talks**

- Cristobal De La Maza, Chile  
*Title: Policy interventions for air quality and climate*
- Jo Longman, University of Sydney  
*Title: Lismore floods – lessons and challenges*
- Sharon Campbell  
*Title: Bushfires and Your Health: Evaluating a Pilot Online Short Course in Tasmania, Australia*
- Nicole Vargas, Australian National University  
*Title: A Conceptual Model for Defining Vulnerability to Extreme Heat and Heatwaves*

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15.15 AEDT    **Panel Co-Design with Rural Angle**

- Matilde Breth-Petersen, University of Sydney
- Teresa Capetola, Deakin University

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15.25 AEDT    **Synthesis**

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15.45 AEDT    **End of breakout session**

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## **Room 4: Urban health, built environment and nature based solutions**

Convenors: Professor Xiaoqi Feng, University of New South Wales  
Professor Rebecca Bentley, University of Melbourne

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14.30 AEDT **Welcome**

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14.35 AEDT **Invited Talks**

- Dr Nigel Goodman, Australian National University  
*Title: Air pollution and the residential building envelope: implications for indoor air quality*
- Ripon Adhikary, Australian National University  
*Title: Spatio-temporal Variation of Faecal Indicator Bacteria in Lake Burley Griffin: an Analysis of 18 Years' Recreational Water Quality Monitoring Data*
- Hung Chak Ho, The University of Hong Kong  
*Title: The role of built environment interventions in post-disaster community recovery among low-income individuals after COVID-19 pandemic: A qualitative study in Hong Kong*
- Dr Amanda Wheeler, CSIRO  
*Title: Air quality research in the national environment science program sustainable communities and water hub*
- Vanessa Prescott, Australian Institute of Health and Welfare  
*Title: Literature review of health benefits derived from 3 ecosystem services: air filtration, local climate regulation, and recreation*
- Rose Bell, Asthma Australia  
*Title: Homes, Health and Asthma*
- Adelle Mansour, University of Melbourne  
*Title: Mental health outcomes during the COVID-19 pandemic: What is the role of the neighbourhood environment?*

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15.30 AEDT **Panel and Q&A**

- Dr Nigel Goodman, Australian National University
- Ripon Adhikary, Australian National University
- Dr Hung Chak Ho, The University of Hong Kong
- Dr Amanda Wheeler, CSIRO
- Vanessa Prescott, Australian Institute of Health and Welfare
- Rose Bell, Asthma Australia
- Adelle Mansour, University of Melbourne

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15.45 AEDT

**End of breakout session**

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## **Room 5: Biosecurity, COVID-19 and emerging Infections in the context of environmental change**

**Convenors:** Professor Wenbiao Hu, Queensland University of Technology  
Associate Professor Ricardo Soares Magalhaes, University of Queensland  
Professor Colleen Lau, University of Queensland

**Session Topic:** *The session aims to better understand the complex ecology and the possible impacts of environmental change on infectious diseases transmission and to develop robust early warning system for environmentally-driven infectious diseases.*

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14.30 AEDT	<b>Welcome</b>
14.35 AEDT	<b>Invited Talks</b> <ul style="list-style-type: none"><li>• Prof Greg Devine, QIMR <i><u>Title:</u> Japanese encephalitis emergence in Australia: its ecology and the human population at risk</i></li><li>• Prof Ian Barr, WHO Collaborating Centre for Reference and Research on Influenza <i><u>Title:</u> Seasonal influenza transmission under COVID-19 and the future impact of climate change on influenza</i></li></ul>
15.05 AEDT	<b>Panel Discussion</b> Panellists: <ul style="list-style-type: none"><li>• Prof Craig Williams, University of South Australia</li><li>• Prof Philip Hansbro, University of Technology Sydney</li><li>• Dr Tanya Russell, James Cook University</li></ul>
15.35 AEDT	<b>Synthesis</b>
15.45 AEDT	<b>End of breakout session</b>

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## **Room 6: Climate change and mental wellbeing**

**Convenors:** Associate Professor Fiona Charlson, University of Queensland  
Dr Rebecca Patrick, Deakin University  
Dr Claire Henderson-Wilson, Deakin University

**Session Aim:** To provide an overview of the current state of evidence; highlight Australian policy and practice context; bring people together to link them with the existing national network. Outcomes: knowledge sharing; preliminary mapping of the HEAL conference attendees research interests in this area; establish research interests and support engagement of ECRs.

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14.30 AEDT	<b>Acknowledgement of Country</b>
14.35 AEDT	<b>Information Panel</b> <ul style="list-style-type: none"><li>• Assoc Prof Fiona Charlson, <i>Title: State of the evidence and highlight UQ network</i></li><li>• Dr Rebecca Patrick, Deakin University <i>Title: Policy and practice initiatives</i></li><li>• Jo Longman, University of Sydney <i>Flood case study</i></li><li>• ECR/student perspectives</li></ul> <b>Q&amp;A</b> <i>Chaired by Dr Claire Henderson-Wilson, Deakin University</i>
15.20 AEDT	<b>HEAL partner engagement session</b> <i>Discussion groups</i>
15.40 AEDT	<b>Wrap-up and next steps</b> Dr Claire Henderson-Wilson, Deakin University
15.45 AEDT	<b>End of breakout session</b>

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## DAY 2

### **Online Thematic Breakout Sessions B (15.55 – 17.10 AEDT)**

#### **Room 1: Clean energy solutions for healthy environments and lives**

Convenors: *Professor Sotiris Vardoulakis, Australian National University*  
*Professor Shiva Nagendra, Indian Institute of Technology Madras*  
*Amelia Joshi, Australian National University*

Session Topic: *The purpose of the session is to have a discussion that will inform research and advocacy on clean energy adoption in remote/rural regions in the context of environmental and climate change, helping to bridge gaps in knowledge, practice and policy*

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<b>15.55 AEDT</b>	<b>Welcome</b> Prof Sotiris Vardoulakis, Australian National University
<b>16.05 AEDT</b>	<b>Invited Talks</b> <ul style="list-style-type: none"><li>• Prof Krishna Vasudevan, Indian Institute of Technology Madras</li><li>• Dr Supriya Mathew, Menzies School of Health Research</li><li>• Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney</li><li>• Dr Thomas Longden, Australian National University</li></ul>
<b>16.45 AEDT</b>	<b>Panel Discussion</b> <ul style="list-style-type: none"><li>• Prof Krishna Vasudevan, Indian Institute of Technology Madras</li><li>• Dr Supriya Mathew, Menzies School of Health Research</li><li>• Assoc Prof Veronica Matthews, University Centre for Rural Health, University of Sydney</li><li>• Dr Thomas Longden, Australian National University</li><li>• Jimmy Cocking, Desert Knowledge Australia (DKA)</li><li>• Prarthana Borah, CDP India</li></ul>
<b>17.05 AEDT</b>	<b>Synthesis</b>
<b>17.10 AEDT</b>	<b>End of breakout session</b>

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## **Room 2: Planetary Health Equity**

**Convenors:** Prof Sharon Friel, Planetary Health Equity Hothouse, Australian National University

**Session Topic:** *Planetary health equity – the equitable enjoyment of good health and a sustainable ecosystem – is in crisis. Addressing this demands ambitious and urgent action on the structural drivers of social inequity and climate change. These drivers come in the potent form of the global consumptogenic system. Yet, despite the unfolding catastrophe, little effective political and policy attention is given to transform the consumptogenic system and act in the interests of PHE. Arguably, nothing will change unless entrenched power inequities are addressed. Drawing on emerging work from the ARC Laureate Fellowship Planetary Health Equity Hothouse, this interdisciplinary panel will present new conceptual thinking around power dynamics and trajectories of the global consumptogenic system in the 21st century*

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15.55 AEDT	<b>Welcome</b> Prof Sharon Friel, Planetary Health Equity Hothouse, Australian National University
16.00 AEDT	<b>Panel Presentations</b> <ul style="list-style-type: none"><li>• Prof Sharon Friel, Planetary Health Equity Hothouse, Australian National University <i>Title: How do power inequities drive planetary health inequities?</i></li><li>• Nick Frank, Planetary Health Equity Hothouse, Australian National University <i>Title: In what ways do governance structures (global and domestic) condition the pursuit of planetary health equity?</i></li><li>• Megan Arthur, Planetary Health Equity Hothouse, Australian National University <i>Title: What does coherent governance for planetary health equity look like?</i></li></ul>
16.45 AEDT	<b>Panel Discussion and Q&amp;A</b> Panellists: <ul style="list-style-type: none"><li>• Prof Sharon Friel, Planetary Health Equity Hothouse, Australian National University</li><li>• Nick Frank, Planetary Health Equity Hothouse, Australian National University</li><li>• Megan Arthur, Planetary Health Equity Hothouse, Australian National University</li></ul>
17.05 AEDT	<b>Synthesis</b>
17.10 AEDT	<b>End of breakout session</b>

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### **Room 3: At-risk populations, early life effects and life-course solutions**

Convenors:      *Professor Philip Hansbro, Centenary Institute, University of Technology Sydney*  
*Dr Keshav Paudel, Centenary Institute, University of Technology Sydney*

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15.55 AEDT      **Welcome**

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16.00 AEDT      **Invited Talks**

- Prof Chris Carlsten, UBC  
*Title: Lung Health Susceptibility to Climate Change: from Epidemiology to Controlled Human Exposures*
- Dr Elinor Hortle, University of Technology Sydney  
*Title: At risk population studies NSW*
- Dr Keshav Raj Paudel, University of Technology Sydney  
*Title: Bushfire exposures and at-risk populations*
- Assoc Prof Alex Larcombe, Telethon Kids Institute  
*Title: At risk population studies WA*
- Prof Peter Le-Souef, University of Western Australia  
*Title: Future Child Health*
- Hon Assoc Prof Julie Smith, Australian National University  
*Title: Infant and Young Child Feeding Practices Modify Greenhouse Gas Emissions and Climate Change*
- Susan Hartono, University of Canberra  
*Title: Effect of migrant parents' weight perception on children's longitudinal body weight: a population-based cohort study in Australia*

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17.10 AEDT      **Q&A Panel**

- Prof Raina McIntyre
- Assoc Prof Julie Smith
- Prof Phil Hansbro
- Assoc Prof Alex Larcombe

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17.10 AEDT

**End of breakout session**

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## **Room 4: Food, Soil, and Water Security**

**Convenors:** Professor Erica Donner, University of South Australia  
Professor Nanthi Bolan, University of Western Australia

**Session Aim:** This session provides a general introduction to the Food, Soil, and Water Security theme, with a selection of presentations covering aspects such as the impacts of climate change on the pollution of terrestrial and aquatic environments, and the human and ecosystem health impacts of pollution. Speakers will present on a range of topics addressing this theme before joining for a panel discussion. Attendees will also be invited to contribute, suggest links, and prioritise actions for future theme meetings and activities

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15.55 AEDT	<b>Welcome and Introduction to the Food, Soil and Water Security theme</b> Prof Erica Donner, University of South Australia
16.05 AEDT	<b>Invited Talks</b> <ul style="list-style-type: none"><li>• Dr Nina Lansbury, University of Queensland (pre-recorded) <i>Title: Remote Indigenous communities, climate change and water security: Projections and options for the future</i></li><li>• Prof Anne Roiko, Griffith University <i>Title: Climate change, environmental change and water quality - key research priorities</i></li><li>• Assoc Prof Aparna Lal, Australian National University <i>Title: The Power of Water: Known and unknown risks of waterborne zoonoses in a changing climate security. Projections and options for the future</i></li><li>• Prof Nanthi Bolan, University of Western Australia <i>Title: Challenges in soil contamination with changing climate</i></li><li>• Dr Barbara Drigo, University of South Australia <i>Title: Plant–Soil Feedback as a Tool to Mitigate Climate Change in Natural and Agricultural Systems</i></li><li>• Dr Craig Liddicoat, Flinders University <i>Title: Healthy soils, healthy people – can soil microbial diversity suppress pathogens and boost human health in a changing world?</i></li></ul>
16.55 AEDT	<b>Panel Q&amp;A</b> <ul style="list-style-type: none"><li>• Prof Anne Roiko, Griffith University</li><li>• Assoc Prof Aparna Lal, Australian National University</li><li>• Prof Nanthi Bolan, University of Western Australia</li><li>• Dr Barbara Drigo, University of South Australia</li><li>• Dr Craig Liddicoat, Flinders University</li></ul>
17.10 AEDT	<b>End of breakout session</b>

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## **Room 5: Data and decision support systems for environmental health applications**

**Convenors:** Professor Kerrie Mengersen, Queensland University of Technology  
Dr Ivan Hanigan, Curtin University  
Dr Aiden Price, Queensland University of Technology

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15.55 AEDT	<b>Introduction</b>
16.00 AEDT	<b>Invited Talks</b> <ul style="list-style-type: none"><li>• Dr Penelope Jones, University of Tasmania <i>Title: Meeting the needs of multiple stakeholders: Identifying key elements of a digital health intervention to protect against environmental hazards</i></li><li>• Min Yang <i>Title: A systematic review and meta-analysis of air pollution and angina pectoris attacks: identification of hazardous pollutant, short-term effect, and vulnerable population</i></li><li>• Qiyue Wu <i>Title: Abnormal ambient temperature change increases the risk of out-of-hospital cardiac arrest: a systematic review and meta-analysis of exposure types, risk, and vulnerable populations</i></li></ul>
16.30 AEDT	<b>Data Platforms as Enablers</b> <ul style="list-style-type: none"><li>• GeoHealth Hub</li><li>• CARDAT</li><li>• AusEnHealth</li></ul>
16.45 AEDT	<b>Discussion</b>
17.05 AEDT	<b>Wrap-up</b>
17.10 AEDT	<b>End of breakout session</b>

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## **Room 6: Science communication, citizen science, and risk perception**

Convenors:      *Professor Iain Walker, University of Melbourne*  
*Professor Cordia Chu, Griffith University*

Session Aim:      *This session aims to present 3 speakers' different perspectives and experiences on science communication to ensure the translation of science into change. Panellists and audience members are encouraged to identify actions the HEAL network can take to ensure the translation of its research into positive change*

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<b>15.55 AEDT</b>	<b>Welcome</b>
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<b>16.00 AEDT</b>	<b>Invited Talks</b>
	<ul style="list-style-type: none"><li>• Dr Chloe Lucas, Research Fellow, Geography, Planning &amp; Spatial Sciences University of Tasmania</li><li>• Dr Simon Torok, Co-Director, Scientell</li><li>• Dr Peter Hegedus, Deputy Director, Research &amp; Engagement, Griffith Film School</li></ul>

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<b>16.35 AEDT</b>	<b>Q&amp;A</b>
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<b>17.05 AEDT</b>	<b>Synthesis</b>
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<b>17.10 AEDT</b>	<b>End of breakout session</b>
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