

Let's Yarn About Smoke

Impact Priority 4: Air Quality

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<https://www.nespsustainable.edu.au/research/impact-priority-4-air-quality>



**Sustainable
Communities
and Waste**

National Environmental Science Program

Project overview



Establishing collaborations with other leading research networks to understand the role of landscape fire smoke exposures on community members.

Why?

Indigenous communities are disproportionately affected by air pollution from bushfires, cultural burns, and household smoke exposure.

Understanding how smoke affects these communities and identifying culturally appropriate solutions is essential for improving health outcomes.

What?

- CSIRO Indigenous grant on fire smoke messaging
- MRFF Indigenous Health project
- Key Thinker's Forum

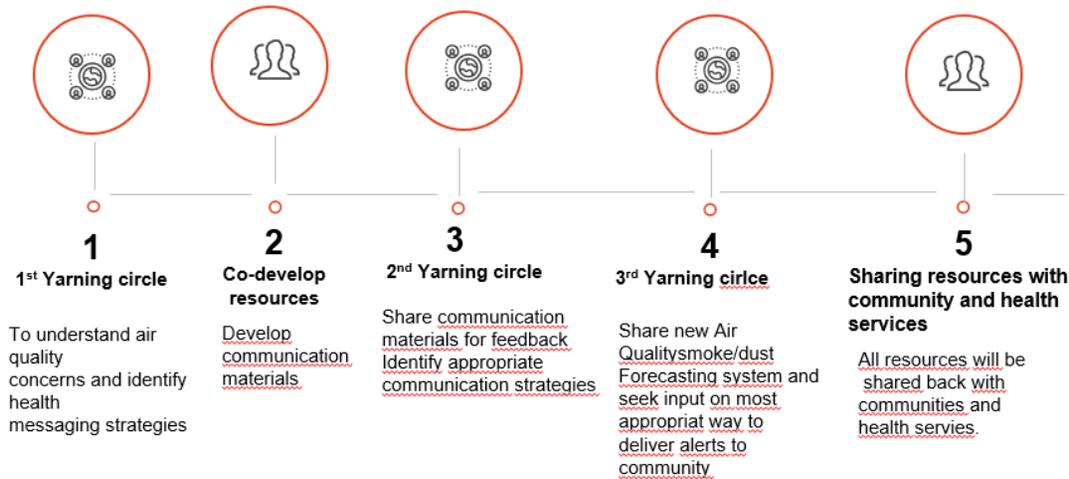
Who benefits?

Community / Priority Populations

Pathway to impact

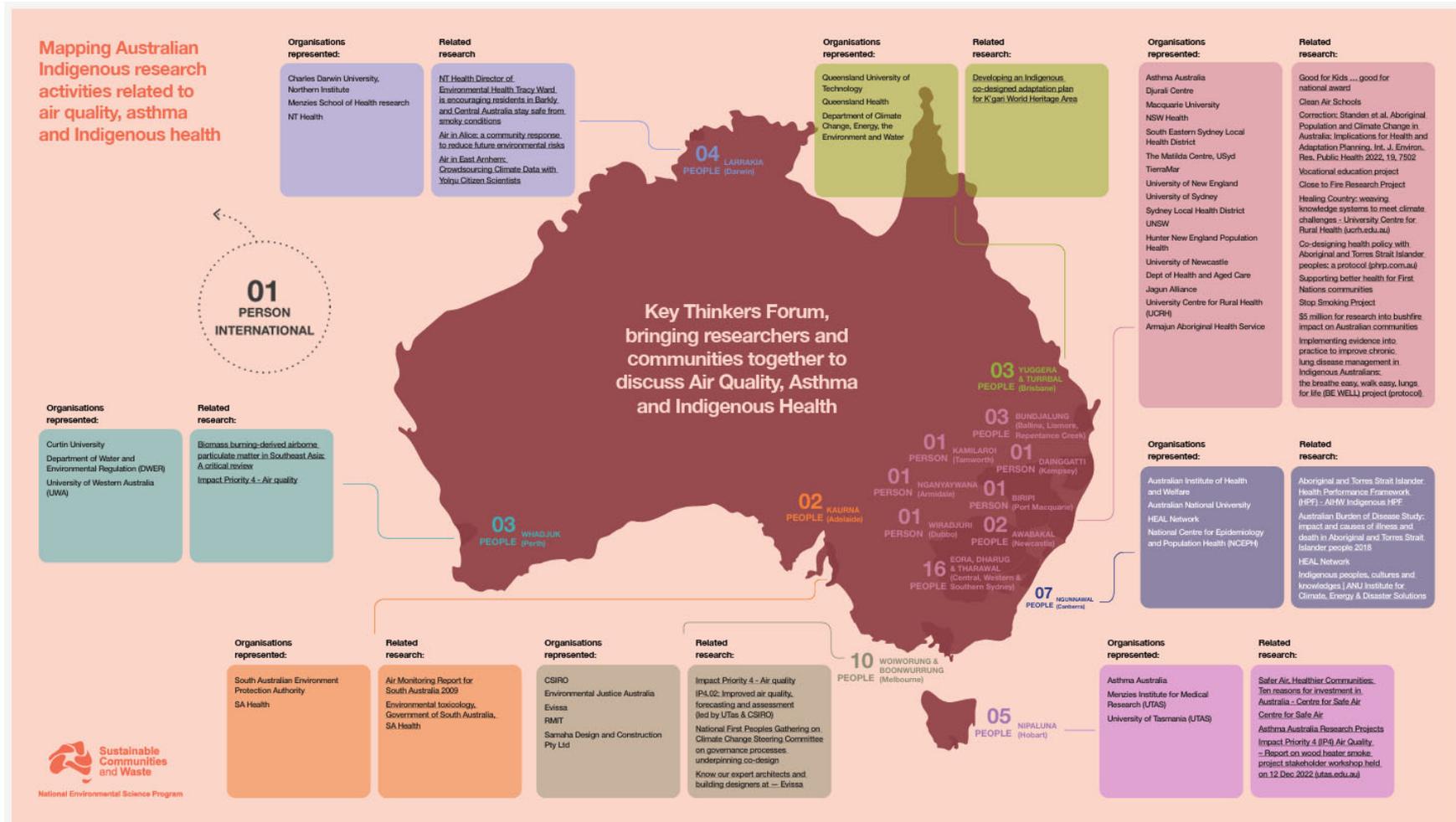


Healthy Air Project Phases



- Activities:
 - Face to Face workshops, Yarning circles
- Outputs: Pending
- Outcomes (achieved or intended):
 - A communication framework
- Pathway to impact (intended):
 - Access to smoke messaging

Map of Indigenous Research Activities



Benefit of an Indigenous network related to Air Quality



INDIGENOUS SCIENCE & ENGAGEMENT PROGRAM
SCIRO

CHRIS BOURKE

LEVERAGING EXISTING NETWORKS

DR CHRIS BOURKE, PROFESSOR VEENA SAHAJWALLA, JOSH WATERS
SOTIRIS VARDOLAKIS

DEADLY SCIENCE PATHWAYS PROGRAM

JOSH WATERS

Providing science resources to remote schools in Australia

- Immersive experience for science students
- Connecting them with future employment & opportunities

Aboriginal & Torres Strait Islanders are the #1 Scientists

- Bring science into the classroom
- Incorporate science on country

Employment For Young People in Research

- Driven to improve lives of other people
- Engage with community and people
- Health Equity Improvement

How To make Research Sexy?

- providing pathways and programs
- Encouraging health research careers
- Vocational Education & Training

PANEL DISCUSSIONS



PATHWAYS AND PROGRAMS

SAVING BABY TURTLES

- Prevent feral pigs from eating turtle nests.
- WESTERN CAPE URBAN

M-HEALTH

- For patients
- Branching out to AMSs

NATIONAL ENVIRONMENTAL SCIENCE PROGRAM

VEENA SAHAJWALLA

SUSTAINABLE COMMUNITIES & WASTE

SUSTAINABLE COMMUNITIES & WASTE HUB

SUSTAINABLE COMMUNITIES

WASTE RESOURCES

REMOTE REGIONAL SOLUTIONS

"RESPECTFUL PARTNERSHIP"



INDIGENOUS GRADUATE ENTRY PROGRAM

- Capacity Building

INDIGENOUS CULTURE AND INTERLECTUAL PROPERTY RIGHTS

- Acknowledging traditional owners and knowledge



"HOW DO WE MANAGE WASTE?"

- Collaborate and connect with key stakeholders to inform policy and guidance

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What's next?

Review of Yarning circle findings

- Are there key themes emerging?
 - Language preferences
- What communication methods can we employ?
 - Digital gap
- Are there mitigation / interventions we can evaluate?
 - Healthier homes?

Can we support low-cost air quality sensor installations in the long-term in remote locations?

Host a second Key Thinker's Forum: October 13th on Indigenous Environmental Health



Impact of EMCRs on project

CSIRO Indigenous Research Grant Funds

- Indigenous Project Officers (NSW and WA)
 - Yarning circles
- Indigenous Research Fellow
 - Content consistency across states

EMCR career impact



What are the wider benefits to the EMCR's career path due to this research?

- These activities provide the EMCR researchers with support to undertake applied research that can support policy changes.
- Also provides opportunities to lead research activities and experience managing projects with strong mentorship

Where do they want to take this research in the future?

- Considering funding opportunities to incorporate mitigation / intervention evaluations