



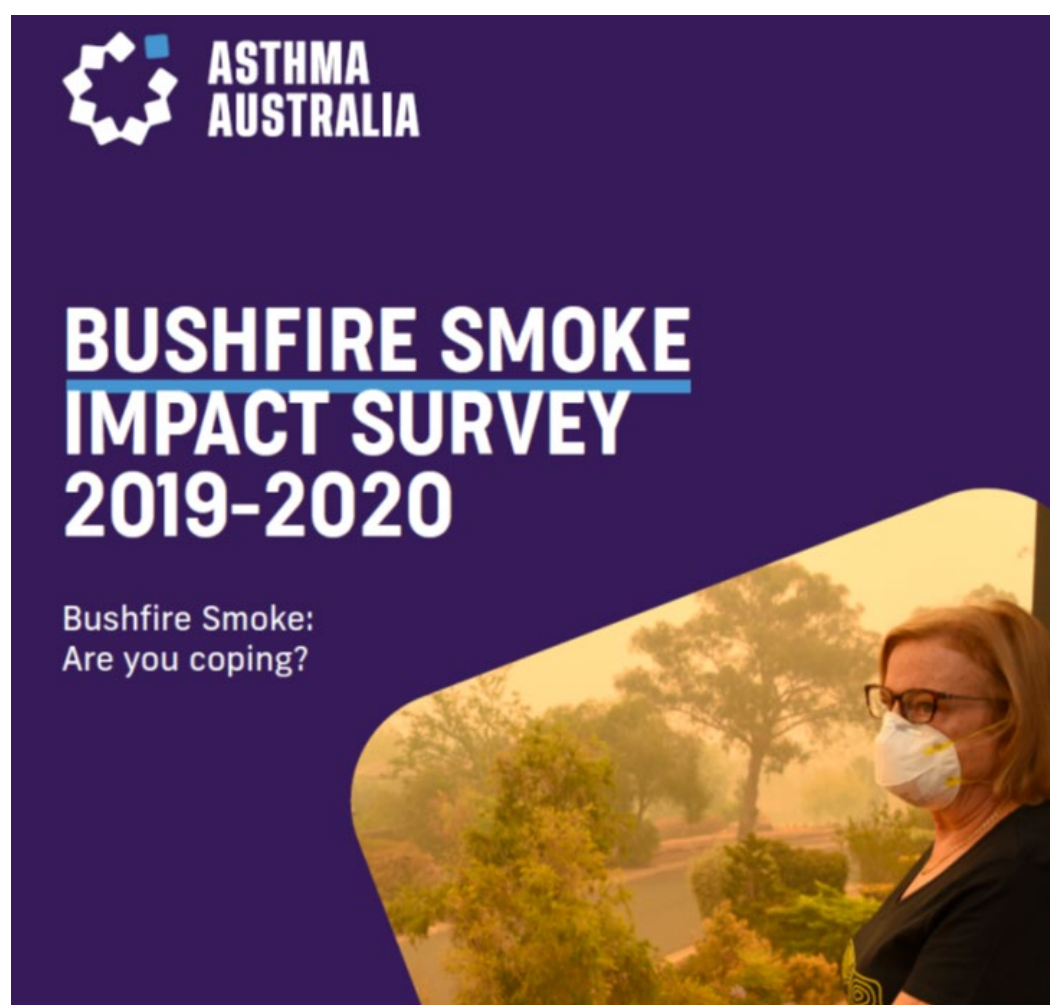
Interventions to reduce exposure to air pollution from landscape fires: The Healthy-Air Project

Vardoulakis, S., Goodman, N., Joshy, A., Borchers Arriagada, N., Matthews, V., Cameron, D., Laachir, K., Saini, B., Jones, P., Sargent, G., Brain, M., Campbell, S., Walsh, E., Johnston, F.

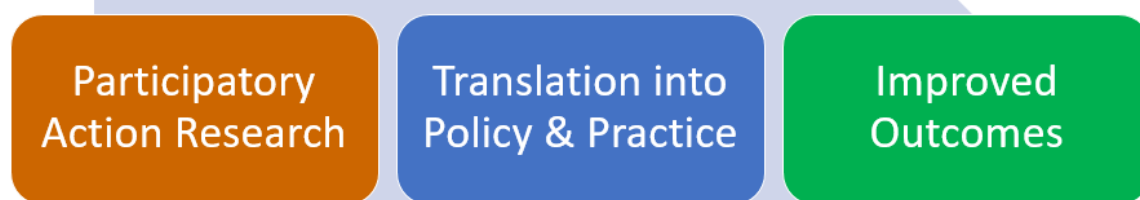
Air pollution from bushfires, wood heaters, and other sources can trigger symptoms and distress in people with asthma. As highlighted by the 2019/20 bushfires, there remains a critical lack of accessible tools, resources and advice empowering people with asthma to effectively reduce their air pollution exposure.

AIM

To synthesise, translate and disseminate the best available scientific evidence on the effectiveness of air pollution exposure reduction measures and health protection advice for people with asthma.

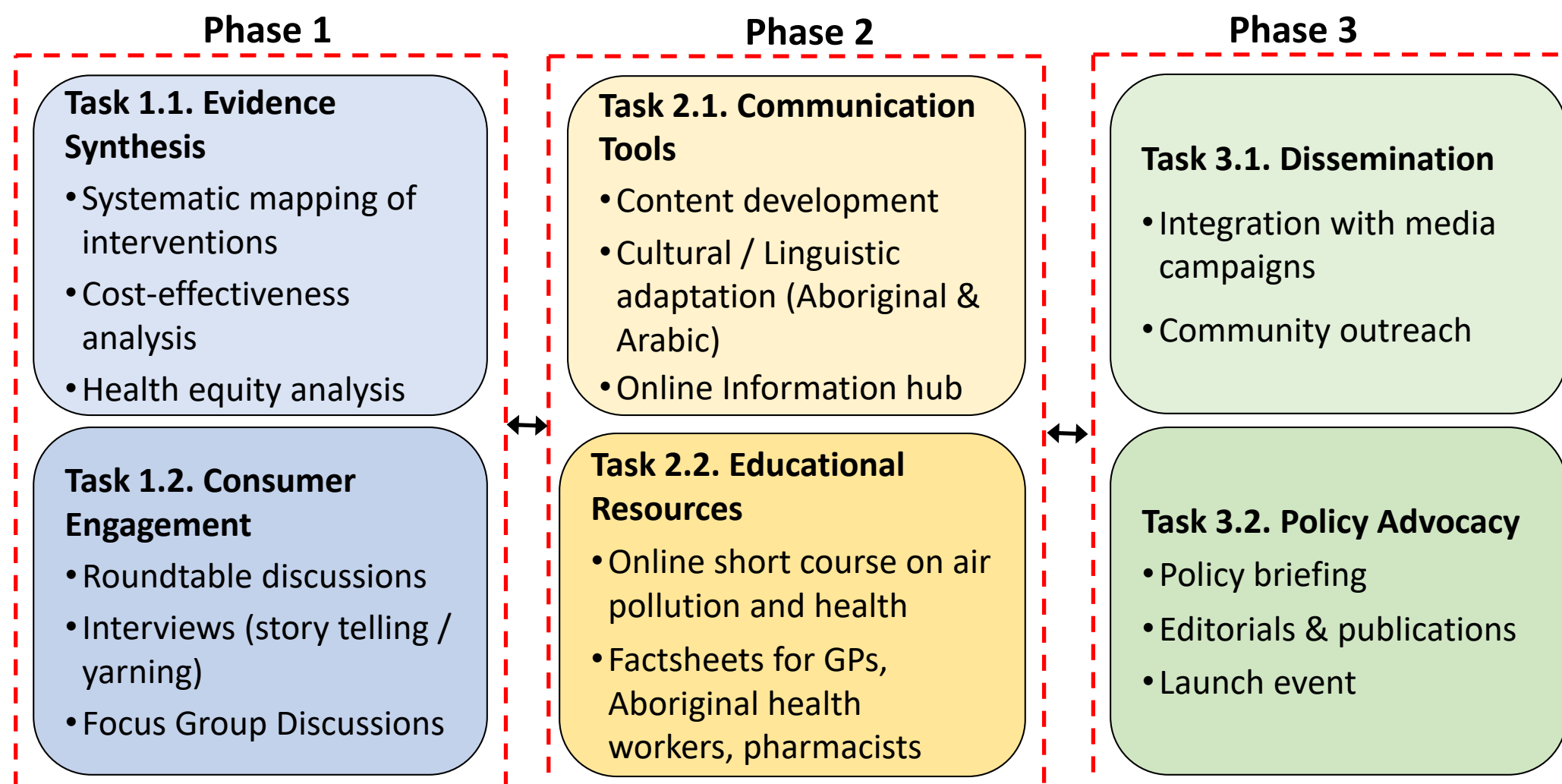


AIR POLLUTION EXPOSURE REDUCTION SOLUTIONS



METHODS

This project will take place in three-phases:



IMPACT Health benefits for people with asthma, particularly those in bushfire smoke affected areas, & socio-economically marginalised communities.

IMPACT Culturally appropriate communication tools & Innovative educational materials.

OUTCOMES

- Systematic mapping and cost-effectiveness analysis of interventions
- Consumer engagement reports targeted to Aboriginal and Arabic communities
- Factsheets, podcasts and infographics in English and culturally / linguistically adapted for Aboriginal and Arabic audiences
- Scoping of health messaging on asthma for the AirRater app.
- An information hub co-designed to host all resources
- An online course on air pollution and health for the public

ACKNOWLEDGEMENTS

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REFERENCES

Johnston, F.H., et al., Exposure to bushfire smoke and asthma: an ecological study. Medical Journal of Australia, 2002. 176(11): 535-538; Vardoulakis, S., et al., Bushfire smoke: urgent need for a national health protection strategy. Medical Journal of Australia, 2020. 212(8): 349.



Personal protective equipment



Air purification



Technology and communications



Australian National University



ASTHMA AUSTRALIA

