Enhancing translational science resources on the CARDAT platform

Enhancing the data, tools and policy translation resources on 'CARDAT'; the Centre for Air pollution, energy and health Research (CAR) Data and Analysis Technology (DAT) platform.

The overarching research question of this project is to identify the best way to configure the existing CARDAT platform to stimulate translational science (i.e. moving research findings into policy and practice) in air, energy and health research. Within this broad question are the separate issues of identifying a) the best data and tools to share, b) the key gaps in available data and tools, and c) what policy translational resources CARDAT should make available for public health decision makers. An example of translational science is the co-driven development of health impact assessments for a suite of alternative air pollution exposure control strategies by environmental epidemiologists, public health and urban planning stakeholders done on the platform, by the participants.

Start date

3 June 2019

Expected completion date

21 October 2019

Investment by ARDC

$49,999

Co-investment partners

University of Sydney, School of Public Health

Center for Air pollution, energy and health Research

Lead node

THE UNIVERSITY OF SYDNEY

1. Environmental health datasets and tools

Make some of the non-restricted environmental health datasets and tools within CARDAT a public resource for all Australians. The key-word is "non-restricted" as this means it is only data and tools that can be legally shared based on the agreements with the data/tool owners.

2. Completion of project

Project outcomes will be presented at the ARDC Data & Services Summit in October 2019.

Core features

Co-driven by researchers and policymakers

A strong sense of co-driven activities and shared involvement in developing answers to the most difficult questions facing decision makers in improving public health and wellbeing.

Ignite ideas and discussions in an online data analysis environment

Enabling diverse stakeholders to engage in discussions and sharing of ideas to shape a research data commons for our nation.

Who is this project for?

- Government agencies and regulatory bodies (commonwealth, state and local)
- Research groups with multi-disciplinary teams and knowledge broker staff
- Research data infrastructure providers (e.g. the NCRIS funded Eco-cloud and TERN CoESRA)
- Community advocacy groups

What does this project enable?

This project will enable more high quality data-based papers and reports to be produced in a co-driven way by Australian researchers and policymakers. A key barrier that will be overcome is the efficiency of data use and related communications across intersectoral groups.

Handy resources

- **FAIR assessment** [PDF 250KB]
- **Final Report** [PDF 100KB]
- **Presentation** [PDF 600KB]
- **CARDAT Infrastructure Report** [PDF 550KB]
- **Workshop Summary** [PDF 1MB]
- The "CAR" NHMRC Centre of Research Excellence (**www.car-cre.org.au**)
- CoESRA **https://coesra.tern.org.au** (the Collaborative Environment for Scholarly Research and Analysis)
- CARDAT landing page on the OSF (**https://osf.io/82sjz/**)
- Ecocloud **https://ecocloud.org.au/**

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