Data Cooperative for Social Impact and Public Health

The Data Cooperative (Data CO-OP) Platform for Social Impact aims to advance data-driven research in the social sciences and public health by making access to linked datasets more effective and affordable.

The main focus of this infrastructure is supporting research in public health, community and social wellbeing. In this project, we consult a wide range of stakeholders, pilot a shared infrastructure model, report from similar infrastructure in U.S and Europe, and form a focus group to address the issue of responsible data sharing for sensitive social and health data.

Start date

3 June 2019

Expected completion date

21 October 2019

Investment by ARDC

$50,000

Co-investment partners

Swinburne University of Technology

Lead node

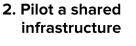SWINBURNE — SWINBURNE UNIVERSITY OF TECHNOLOGY

1. A technical report of project outcomes

The report will describe the results of multiple workshops with researchers, not for profit organisations and government sector on responsible data sharing framework and creating dynamic data packages for social sciences and public health. The report also highlights the potential collaboration opportunities with international partners in the UK, Germany, and the United States.

2. Pilot a shared infrastructure

Using de-identification of the social and health records, this infrastructure will enable linking and publishing public health datasets and data packages. The first expected data package outcome will be a social resilience dynamic data package with GIS-enabled visualisation.

3. Completion of project

Project outcomes will be presented at an ARDC Data and Services Summit in October 2019.

Core features

Access to new public health data

Existing and new datasets will be more findable by connecting infrastructure, creating public identifiers and publishing data descriptions into national discovery services, such as Research Data Australia.

Social Resilience and Wellbeing dynamic linked dataset

New dynamic data package, built from aggregated from the public and private datasets, with GIS enabled capabilities.

Responsible data sharing framework for sensitive social/health data

An enabling framework for data cooperative projects and risk management model reuse case, data characteristics and access level.

A working prototype of Data CO-OP infrastructure

A working prototype of the Data CO-OP platform, including demonstration of dynamic data packages with GIS visualisation.

Who is this project for?

- Social science and medical researchers
- Public health professionals

What does this project enable?

The Data CO-OP platform aims to reduce the complexity of data discovery, increasing efficiency and reducing the cost of data-driven research in public health and social science. Our pilot project provides a blueprint for a larger project to implement the Data CO-OP platform across project partners.

Handy resources

- **FAIR assessment** [PDF 100KB]
- **Final Report** [PDF 100KB]
- **Presentation** [PDF 1MB]
- **Social Data Analytics Lab** – Swinburne University of Technology

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