## Platforms EOI: Australian Cultural Data Library: Geospatial and Socio-Economic Analytics for Arts and Culture

**Project title**

Australian Cultural Data Library: Geospatial and Socio-Economic Analytics for Arts and Culture

**Field of Research code(s)**

- 12 BUILT ENVIRONMENT AND DESIGN
- 16 STUDIES IN HUMAN SOCIETY
- 19 STUDIES IN CREATIVE ARTS AND WRITING
- 21 HISTORY AND ARCHAEOLOGY

**EOI Lead Name**

Rachel Fensham

**EOI lead Research Group**

Digital Studio

**EOI lead Organisation**

University of Melbourne

**EOI lead Email**


## Collaborator details

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## Project description

The ACDL will:

- Coordinate innovative models for mapping and visualising Australian datasets relating to arts production/cultural consumption, tangible/intangible cultural heritage, and creative networks.
- Provide geospatial, temporal and socio-economic analysis of these datasets as a library of curated resources for arts and humanities researchers, social policy experts, governments at all tiers, and community advocates.
- Focus on improving data ontologies to support research on the geolocation of socio-cultural transformation in Australia.
- Extend and expand access and interest in key national datasets for literature and performance, linking them to regional datasets of tangible heritage sites and intangible heritage events data.
- Support the national priority of Health and Well-being by enabling better understanding of relations between arts and heritage indicators (people, buildings and events) and measures such as population density, urban infrastructure, employment trends, social mobility, and community resilience.

## Existing technology

### Adopt

ACDL will adopt linked datasets from AusStage; AURIN; AustLit; QldArch; Heurist; Melbourne History Workshop; Theatre and Dance Platform, John Curtin Prime Ministerial Library, with applications and tools such as Voyant, ArcGIS, Jupyter Notebooks, Omeka S and Tableau. The Melbourne Data Analytics Platform will coordinate the Open-Linked Data; trial 360 data-sharing; and deliver data display formats via Research portals in partner platforms.

### Adapt

The ACDL will adapt partner platforms via the delivery of graphic, multimedia, and visual reports to:
- Enrich discipline-specific analysis of pre-existing data and
- Innovate within an interdisciplinary matrix to map and visualise cultural data.

All datasets will be accessible via Trove and university libraries, and will be promoted to government agencies for incorporation and use in creative industry planning.

### Build

The ACDL will generate valuable research outputs and humanities workforce capability across research, industry, and government by delivering impact across the national arts and cultural landscape. Including:

- Cross-disciplinary research outputs (e.g. Engineering and Arts via the analysis of venue design relative to spatial occupancy; Politics and Literature via cultural diplomacy network analysis)
- Government uptake of Humanities research outputs (e.g. enhanced government assessment of educational outcomes via ABS data)
- Academic/industry cultural impact workshops

## Anticipated requirements

### Annual funding

- $200,000 - $299,000

### Proposed length

- 2 years

## Other information

**Other information you wish to provide**

The project team has a track record of successful collaboration with data providers, institutions and platforms (UoM-UC; UoM-Flinders, UoM-Sydney, Curtin-UoM). It is led by senior academics aligned with networked research communities, established datasets and advanced technical infrastructure. It minimises management, prioritising senior software engineers to deliver enhancement. The existing host (MDAP) provides infrastructure in partnership with UoM informatics expertise (Digital Studio/SCIP, AURIN). UoM investment provides in-kind RA and project add-ons that will support ACDL capabilities.
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