Australian Academy of the Humanities’ 2nd Humanities, Arts and Culture Data Data Summit and 3rd international DARIAH Beyond Europe workshop
Digital research infrastructures for the arts and humanities: Sustainability, collaboration, vision, imagination, inspiration, advocacy and impact

March 2019
Canberra, ACT

PRESENTED BY
Ian Duncan
ian.duncan@ardc.edu.au
Transforming digital infrastructure to support leading edge research and innovation
National Collaborative Research Infrastructure Strategy (NCRIS)

NCRIS is a national network of world-class research infrastructure projects that support high-quality research that will drive greater innovation in the Australian research sector and the economy more broadly. Projects support strategically important research through which Australian researchers and their international partners can address key national and global challenges.

Part of the NCRIS network
NCRIS

~40,000 domestic and international users each year.

$3.3 billion invested since 2004

Attracting more than $1 billion in co-investment

24 active projects, more than 200 institutions, over 1900 experts, researchers and facility managers.
<table>
<thead>
<tr>
<th>Scoping study</th>
<th>Description</th>
<th>Cost ($m)</th>
<th>Length of study</th>
<th>Start</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced ACCESS model</td>
<td>Enhancing the Australian Community Climate and Earth-System Simulator (ACCESS) weather model</td>
<td>$0.200</td>
<td>12 months</td>
<td>2018</td>
</tr>
<tr>
<td>Synthetic biology</td>
<td>Explore national capability in synthetic biology through leadership in standardisation, biologics production and process automation.</td>
<td>$0.200</td>
<td>12 months</td>
<td>2018</td>
</tr>
<tr>
<td>National Environmental Prediction System</td>
<td>Explore building upon existing NRIIs in environmental science to provide a national environmental prediction system.</td>
<td>$0.404</td>
<td>24 months</td>
<td>2018</td>
</tr>
<tr>
<td>HAS3 / Indigenous research platforms</td>
<td>To explore better integration of information in the Humanities, Arts and Social Sciences (HAS3) and Indigenous research data platforms to maximise research outcomes, across a large and diverse group of stakeholders.</td>
<td>$0.866</td>
<td>24 months</td>
<td>2020</td>
</tr>
<tr>
<td>Biobanks</td>
<td>Explore opportunities to network Australia’s biobanks across agriculture, plant science, environmental science and biomedical science into a national rather than a disparate capability.</td>
<td>$0.433</td>
<td>24 months</td>
<td>2020</td>
</tr>
<tr>
<td>Biosecurity</td>
<td>Scoping of the networked and additional capital investments required (including where) to maximise research in this area, given existing jurisdictional biosecurity research and operational measures.</td>
<td>$0.433</td>
<td>24 months</td>
<td>2020</td>
</tr>
</tbody>
</table>
What we do – services, resources, people

50 internal staff, funding support for 110 external staff:

- Publication Services (DOI’s, Handles, etc)
- Research Data Australia
- Research Cloud
- Virtual Labs
- Trusted National Collections and Repositories
- Skills and workforce development
- Government Policy and Advocacy
- International engagement and leadership
What we do – main themes of activity

• Coordination and Coherence:
  • Facilitating an “Australian research data commons”
• People and Policy:
  • Transforming culture and community
• Data and Services:
  • Maximising the value of Australia’s data assets
• Software and Platforms:
  • Enabling research insights & supporting collaboration
• Storage and Compute:
  • Providing foundation infrastructure
ARDC supports research across all disciplines: to enable world leading research, facilitate accelerated innovation, and enhance researchers’ ability to translate outputs into societal benefit.
ARDC history of engagement with HASS

Tinker
Welcome to Tinker!
This website is a place to learn, explore, create and collaborate with all things Digital Humanities.

Tinker is a prototype Data Enhanced Virtual Laboratory (DEVL), designed to support Australian researchers in the Humanities, Arts and Social Sciences.

This online workspace encourages experimentation as a way to build skills and confidence for those employing digital tools and methods in HASS research.

Take a look around.
Australia has a vibrant environment supporting data-driven HASS research.

Can ARDC help accelerate this work by building connections across communities and accelerating outcomes through coordinated and collaborative effort?
‘Big Ideas' in the sector

- transformations at scale
- new partnerships and new ways of working with collections and communities
- Skills for the humanities workforce.

A great opportunity to test out ambitious ideas, think on a grand scale, and discuss the next big ideas
Knowledge exchange

- global connections
- building opportunities for future collaboration
- Infrastructure challenges

Conversations can start collaborations, where can ARDC add value to or facilitate discussions?
The DARIAH experience

We’re aiming to get the most out of our visitors (and all those present) as the Australian research environment enters a phase where data-driven humanities research is becoming increasingly well recognised and supported with great potential in the upcoming period.
Thank you

www.ardc.edu.au