ARC funding and HASS disciplines

DASSH satellite event -- ADRs

19 May 2014

Professor Denise Meredyth
Executive Director, Humanities and Creative Arts
Australian Research Council
National Competitive Grants Program

*Discovery Projects*

- Future Fellowships
- DECRA
- Other Fellowships

*Linkage Projects*

- Centres of Excellence
- Co-Funded & SRI
- LIEF

Area of box represents $$ awarded over the period 2008-2013. N.b. ITRP & DECRA running for less than five years.
ARC NCGP funding by 2-Digit FOR (%) 2006-2013

Mathematical Sciences
Physical Sciences
Chemical Sciences
Earth Sciences
Environmental Sciences
Biological Sciences
Information and Computing Sciences
Agricultural and Veterinary Sciences
Engineering
Technology
Medical and Health Sciences
Built Environment and Design
Education
Economics
Commerce, Management, Tourism and Services
Studies in Human Society
Psychology and Cognitive Sciences
Law and Legal Studies
Studies in Creative Arts and Writing
Language, Communication and Culture
History and Archaeology
Philosophy and Religious Studies
Discovery projects: Size of scheme and success rates

**Discovery Projects 2008-2014: Success and Return Rates**

- **Number of Proposals**
  - 2008: 3234
  - 2009: 3307
  - 2010: 3143
  - 2011: 3299
  - 2012: 2756
  - 2013: 2693
  - 2014: 2831

- **Success Rates**
  - 2008: 56.5%
  - 2009: 54.0%
  - 2010: 56.3%
  - 2011: 55.3%
  - 2012: 50.8%
  - 2013: 60.8%
  - 2014: 63.8%

- **Unsuccessful Rates**
  - 2008: 43.5%
  - 2009: 46.0%
  - 2010: 43.7%
  - 2011: 44.7%
  - 2012: 49.2%
  - 2013: 39.2%
  - 2014: 36.2%

- **Return Rates**
  - 2008: 21.4%
  - 2009: 20.4%
  - 2010: 22.7%
  - 2011: 22.0%
  - 2012: 22.0%
  - 2013: 21.4%
  - 2014: 19.9%
HCA and SBE
Success rate in selected HCA and SBE disciplines, all ARC schemes (2002 to 2014)
Total ARC funding by major scheme and selected HCA/SBE disciplines (20012-14)
Comparison of success rate in HCA/SBE between major schemes (totals, 2002-14)
Proposal received and funded by 2-digit FoR code (number)

[past 4 years, Discovery Projects and Linkage Projects]
Success rate (%) of HCA/SBE CIs in *Discovery* by career age (yrs post PhD) 2002-14

(Note - fellow applicants have been included as funded on all funded projects)
Success rate (%) of HCA/SBE CIs in Discovery, by title and type of university (2002-14)

(Note - fellow applicants have been included as funded on all funded projects)
FOR 12 case study
Built Environment and Design
FOR 12 Built Environment & Design

Division 12 covers Built Environment and Design. It includes:
• architecture;
• building;
• design from both engineering and aesthetic perspectives; and
• urban and regional planning.

Division 12 has six groups:
• 1201 Architecture
• 1202 Building
• 1203 Design Practice and Management
• 1204 Engineering Design
• 1205 Urban and Regional Planning
• 1299 Other Built Environment and Design
Proposal received and funded by 2-digit FoR code (number)

[past 4 years, Discovery Projects and Linkage Projects]
BED by 6-digit level FoR code (all schemes, regardless of primary classification code) (years 2010 to 2014)

Size of bubble indicates the total percentage of a 6-digit level code in all projects funded.
## BED by 6-digit level code, total percentage (DP and LP, past 4-year projects)

### Discovery Projects

<table>
<thead>
<tr>
<th>Code</th>
<th>Project Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Architectural History and Theory</td>
</tr>
<tr>
<td>12</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>12</td>
<td>Architectural Science and Technology</td>
</tr>
<tr>
<td>12</td>
<td>Urban Analysis and Development</td>
</tr>
<tr>
<td>12</td>
<td>Transport Planning</td>
</tr>
<tr>
<td>12</td>
<td>Housing Markets, Development,...</td>
</tr>
<tr>
<td>12</td>
<td>History and Theory of the Built...</td>
</tr>
<tr>
<td>12</td>
<td>Land Use and Environmental Planning</td>
</tr>
<tr>
<td>12</td>
<td>Digital and Interaction Design</td>
</tr>
<tr>
<td>12</td>
<td>Architectural Heritage and Conservation</td>
</tr>
<tr>
<td>12</td>
<td>Built Environment and Design not...</td>
</tr>
<tr>
<td>12</td>
<td>Design Innovation</td>
</tr>
<tr>
<td>12</td>
<td>Community Planning</td>
</tr>
<tr>
<td>12</td>
<td>Landscape Architecture</td>
</tr>
<tr>
<td>12</td>
<td>Building Science and Techniques</td>
</tr>
<tr>
<td>12</td>
<td>Design Management and Studio and...</td>
</tr>
<tr>
<td>12</td>
<td>Urban and Regional Planning not...</td>
</tr>
</tbody>
</table>

### Linkage Projects

<table>
<thead>
<tr>
<th>Code</th>
<th>Project Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>12</td>
<td>Building Construction Management...</td>
</tr>
<tr>
<td>12</td>
<td>Transport Planning</td>
</tr>
<tr>
<td>12</td>
<td>Building Science and Techniques</td>
</tr>
<tr>
<td>12</td>
<td>Built Environment and Design not...</td>
</tr>
<tr>
<td>12</td>
<td>Community Planning</td>
</tr>
<tr>
<td>12</td>
<td>Urban and Regional Planning not...</td>
</tr>
<tr>
<td>12</td>
<td>Land Use and Environmental Planning</td>
</tr>
<tr>
<td>12</td>
<td>Architectural Science and Technology</td>
</tr>
<tr>
<td>12</td>
<td>Architectural History and Theory</td>
</tr>
<tr>
<td>12</td>
<td>Urban Design</td>
</tr>
<tr>
<td>12</td>
<td>Urban Analysis and Development</td>
</tr>
<tr>
<td>12</td>
<td>Housing Markets, Development,...</td>
</tr>
<tr>
<td>12</td>
<td>Digital and Interaction Design</td>
</tr>
<tr>
<td>12</td>
<td>Interior Design</td>
</tr>
<tr>
<td>12</td>
<td>Design Innovation</td>
</tr>
<tr>
<td>12</td>
<td>Engineering Design Methods</td>
</tr>
<tr>
<td>12</td>
<td>Engineering Systems Design</td>
</tr>
<tr>
<td>12</td>
<td>Architecture not elsewhere classified</td>
</tr>
<tr>
<td>12</td>
<td>Architectural Heritage and Conservation</td>
</tr>
<tr>
<td>12</td>
<td>Architecture Management</td>
</tr>
<tr>
<td>12</td>
<td>History and Theory of the Built...</td>
</tr>
<tr>
<td>12</td>
<td>Regional Analysis and Development</td>
</tr>
<tr>
<td>12</td>
<td>Engineering Design Empirical Studies</td>
</tr>
</tbody>
</table>
BED – breakdown of primary 4-digit FoR codes into 6-digit level codes (including non-BE codes) on funded projects (all schemes, 2010-2014).

Thickness of each arrow indicates the sum of percentage for each code. Some 6-digit level codes are reported under more than one primary code.
## Outputs and Staff by Employment Levels

<table>
<thead>
<tr>
<th></th>
<th>% Staff</th>
<th>% Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>09 Engineering</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Staff</td>
<td>14</td>
<td>34</td>
</tr>
<tr>
<td>% Outputs</td>
<td>12</td>
<td>18</td>
</tr>
<tr>
<td><strong>10 Technology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Staff</td>
<td>8</td>
<td>31</td>
</tr>
<tr>
<td>% Outputs</td>
<td>7</td>
<td>16</td>
</tr>
<tr>
<td><strong>11 Medical and Health Sciences</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Staff</td>
<td>13</td>
<td>30</td>
</tr>
<tr>
<td>% Outputs</td>
<td>11</td>
<td>14</td>
</tr>
<tr>
<td><strong>12 Built Environment and Design</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Staff</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>% Outputs</td>
<td>12</td>
<td>18</td>
</tr>
<tr>
<td><strong>13 Education</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>% Staff</td>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>% Outputs</td>
<td>12</td>
<td>19</td>
</tr>
</tbody>
</table>

Legend:
- Level E
- Level D
- Level C
- Level B
- Level A
- Other FTE
# Two-Digit Compound Growth Rates and Trends

<table>
<thead>
<tr>
<th>FoR</th>
<th>Trend 2005-2010</th>
<th>Total Outputs*</th>
<th>CAGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 Built Environment and Design</td>
<td></td>
<td>7847</td>
<td>10%</td>
</tr>
<tr>
<td>05 Environmental Sciences</td>
<td></td>
<td>7549</td>
<td>8%</td>
</tr>
<tr>
<td>17 Psychology and Cognitive Sciences</td>
<td></td>
<td>14951</td>
<td>7%</td>
</tr>
<tr>
<td>22 Philosophy and Religious Studies</td>
<td></td>
<td>5724</td>
<td>6%</td>
</tr>
</tbody>
</table>
Research partnership and investment: BE&D example
Engagement by University
Strength in Linkage and Discovery Schemes
Linkage - Instances of Collaboration by Org Type

- Other
- Non-Profit - International
- Non-Profit - Australian
- Higher Education - International
- Government - State & Local
- Government - International
- Government - Commonwealth
- Company/Industry Body - International
- Company/Industry Body - Australian
Mapping Engagement:
Linkage Projects vs. Discovery Projects

Strength in scheme
avg. p.a. $LP + $DP

$112m
$50m
$12m
Engagement by Cohort
Strength in Linkage and Discovery Schemes

Group of Eight

Non-Aligned

Innovative Research Universities

Australian Technology Network

Regional Universities Network

Discovery

Linkage
Collaboration of PO on Linkage Projects – Architecture (1201)
Collaboration of PO on Linkage Projects by primary BE 4-digit FoR disciplines (2010 to 2013)

The thickness of the lines indicates the number of collaborations.
12 FoR: Number of POs on each Linkage Projects grant
Linkage with cultural institutions: GLAM networks
Collaboration between universities (green) and GLAM organisations (blue) by location
Number of projects (all schemes) involving GLAM, by 2-digit FoR code (2008 to 2014)

- Biological Sciences
- History and Archaeology
- Environmental Sciences
- Studies in Creative Arts and Writing
- Earth Sciences
- Language, Communication and...
- Studies in Human Society
- Chemical Sciences
- Physical Sciences
- Philosophy and Religious Studies
- Law and Legal Studies
- Information and Computing Sciences
- Technology
- Built Environment and Design
- Agricultural and Veterinary Sciences
- Engineering
- Commerce, Management, Tourism...
- Psychology and Cognitive Sciences
ARC-funded projects involving GLAM organisations – major areas of research
Relationship and collaboration between GLAM organisations and ARC schemes
Collaboration between universities (green) and GLAM organisations (blue), by location
Networking between GLAM orgs on funded ARC projects (2008 to 2014)
Discussion/questions