Industrial Transformation Research Program
Fostering Research Partnerships

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Executive Director, Biological Sciences and Biotechnology,
Presentation Overview

• Overview of ARC and Linkage Program
• The context of why the Industrial Transformation Research Program (ITRP) came into being
• Comparison of Research Hubs and Training Centres
• Current round priority areas
• Postaward management of Research Hubs and Training Centres
National Competitive Grants Program

**Discovery Program**
- Australian Laureate Fellowships
- Future Fellowships
- Discovery Indigenous
- Discovery Early Career Researcher Award
- Discovery Projects

**Linkage Program**
- Centres of Excellence
- Co-funded Centres and Special Research Initiatives
- Industrial Transformation Research Hubs
- Industrial Transformation Training Centres
- Linkage Projects
Why was the Industrial Transformation Research Program established?

• Building on the success of ARC schemes and other Government programs

• Investing for Innovation—more research partnerships between universities and industry

• Training researchers for tomorrow—with strong links to industry
Industrial Transformation Research Program—the schemes

Overall objectives:

• foster important partnerships between business and universities;
• support researchers (higher degree by research & post doctoral fellows) to gain ‘hands-on’, practical skills and experience in important priority areas.

Consists of two schemes:

• Industrial Transformation Research Hubs
• Industrial Transformation Training Centres
# Previous Rounds and success rates

<table>
<thead>
<tr>
<th>Round</th>
<th>Submitted Proposals</th>
<th>Funded Proposals</th>
<th>Success rate</th>
<th>Total funding</th>
<th>Allocation as a percentage of request</th>
</tr>
</thead>
<tbody>
<tr>
<td>IH12</td>
<td>12</td>
<td>4</td>
<td>33.33%</td>
<td>$16,695,193</td>
<td>86.85%</td>
</tr>
<tr>
<td>IC13</td>
<td>13</td>
<td>4</td>
<td>30.76%</td>
<td>$10,437,604</td>
<td>89.10%</td>
</tr>
<tr>
<td>IH13 Round 1</td>
<td>6</td>
<td>3</td>
<td>50.00%</td>
<td>$10,966,884</td>
<td>97.00%</td>
</tr>
<tr>
<td>IC14</td>
<td>13</td>
<td>7</td>
<td>53.84%</td>
<td>$16,141,217</td>
<td>97.00%</td>
</tr>
<tr>
<td>IH13 Round 2</td>
<td>15</td>
<td>7</td>
<td>46.66%</td>
<td>$24,741,067</td>
<td>96.95%</td>
</tr>
</tbody>
</table>
## Success rates—Industrial Transformation Priorities

### Round 1 Priorities (IH12 and IC13)

<table>
<thead>
<tr>
<th>Priority</th>
<th>Proposal success rates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Future food storage</td>
<td>4%</td>
</tr>
<tr>
<td>Food processing</td>
<td>16%</td>
</tr>
<tr>
<td>Manufacturing capabilities</td>
<td>20%</td>
</tr>
<tr>
<td>Product opportunities</td>
<td>24%</td>
</tr>
<tr>
<td>Other food related research</td>
<td>20%</td>
</tr>
</tbody>
</table>

### Round 2 Priorities (IH13 R1 and IC14)

<table>
<thead>
<tr>
<th>Priority</th>
<th>Proposal success rates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food storage</td>
<td>5%</td>
</tr>
<tr>
<td>Food processing</td>
<td>16%</td>
</tr>
<tr>
<td>Food manufacturing capabilities</td>
<td>11%</td>
</tr>
<tr>
<td>Product opportunities</td>
<td>26%</td>
</tr>
<tr>
<td>Product design and development</td>
<td>26%</td>
</tr>
<tr>
<td>Manufacturing techniques</td>
<td>26%</td>
</tr>
<tr>
<td>Defence manufacturing</td>
<td>5%</td>
</tr>
<tr>
<td>Firm organisation and management</td>
<td>5%</td>
</tr>
</tbody>
</table>

### Round 2 Priorities (IH13 R2)

<table>
<thead>
<tr>
<th>Priority</th>
<th>Proposal success rates*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturing</td>
<td>6%</td>
</tr>
<tr>
<td>Food and agriculture</td>
<td>13%</td>
</tr>
<tr>
<td>Oil and gas, including petroleum</td>
<td>6%</td>
</tr>
<tr>
<td>Mining and mining services</td>
<td>19%</td>
</tr>
<tr>
<td>Medical devices and biotechnology</td>
<td>0%</td>
</tr>
</tbody>
</table>

*Please note: Applications were able to select more than one Priority*
Industrial Transformation Research Hubs—objectives

• encourage collaborative R&D projects between universities and organisations outside the Australian higher education sector that will solve challenging industry issues through innovative research relevant to the Industrial Transformation Priorities;

• attract investment from the local and international business community by supporting the internationally-recognised excellence of Australian universities and their industry partners; and

• leverage national and international investment in targeted industry sectors.
Industrial Transformation Research Hubs

Opportunities for universities and industrial partners to focus on significant collaborative R&D projects with outcomes beyond their independent endeavours.

- The ARC will invest up to $1 million per year in each Research Hub with matching investment by industry partners up to a maximum of five years.
Hubs—Partner Organisation Contributions

• A Proposal must include at least one Australian Partner Organisation

• The Proposal must demonstrate that the **combined** Partner Organisation(s) contributions (i.e. the total of the cash and in-kind contributions of the Partner Organisations) must at least match the total funding requested from the ARC

• The **combined** Partner Organisation(s) Cash Contribution where any Partner Organisation(s) has more than 100 employees must be at least 75 per cent of the total funding requested from the ARC

• Where the Partner Organisation or the largest Partner Organisation in a consortium in the proposal has 100 employees or less, there is **no minimum combined Partner Organisation(s) Cash Contribution**
Hubs—Partner Organisation Contributions

- Cash Contributions cannot be sourced from funds awarded or appropriated by the Commonwealth or an Australian State or Territory for the purposes of research nor from funds previously used to leverage government research funding.

- There is no limit on the combined Partner Organisation(s) In-kind Contributions.
Industrial Transformation Training Centres—Objectives

• Foster opportunities for Higher Degree by Research candidates and postdoctoral fellows to pursue industrial training and to enhance competitive research in collaboration between universities and organisations outside the Australian higher education sector; and

• Strengthen Australia’s Industrial Transformation Priorities to supplement the capabilities of industries and other research end-users.
Industrial Transformation Training Centres

To foster close partnerships between university-based researchers and industry to provide innovative training for early career researchers vital to Australia’s future industry.

Over the life of the five year program the ARC will:

• establish up to 50 Training Centres nationwide
• support Higher Degree by Research candidates and postdoctoral researchers in gaining real-world practical skills through placement in industry
• provide a minimum of $650 000 for the first three years, a minimum of $150 000 in the fourth year and no minimum in the fifth year, and a maximum of $1 million per year for up to five (5) years for each Training Centre.
Training Centres—Partner Organisation Contributions

• A Proposal must include at least one Australian Partner Organisation.

• Cash and In-kind contribution must be sufficient to support research projects of ten (10) Higher Degree by Research candidates and three (3) postdoctoral researchers

• The ARC may provide funding for Project costs to match eligible Cash Contributions from Partner Organisation(s) such that the total funds (including Higher Degree by Research stipends and postdoctoral fellow salaries) awarded by the ARC will not exceed $1 million per year.
ITRP Collaborating Organisation links
Industrial Transformation Priorities

• The Industrial Transformation Priorities for the current round are:
  – manufacturing
  – food and agriculture
  – oil and gas, including petroleum
  – mining and mining services
  – medical devices and biotechnology

• Research priorities are updated from round to round

• Information on current round priorities are available on the ARC website www.arc.gov.au
## ITRP Timeline

<table>
<thead>
<tr>
<th></th>
<th>Industrial Transformation Research Hubs</th>
<th>Industrial Transformation Training Centres</th>
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</thead>
<tbody>
<tr>
<td>Proposals open</td>
<td>17 September 2014</td>
<td>17 September 2014</td>
</tr>
<tr>
<td>Proposals close</td>
<td>10 December 2014</td>
<td>10 December 2014</td>
</tr>
<tr>
<td>Rejoinders open</td>
<td>Mid February 2015</td>
<td>Mid February 2015</td>
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Postaward management of Research Hubs and Training Centres

Partner Organisations

• Establishing and managing industry expectations with Hubs and Centres
• The economic climate—keeping Partner Organisations on board
• Coping with new players—leveraging new funds without losing research focus
Postaward management of Research Hubs and Training Centres

HDR Students

• ITRP Centres—flexibility in student placements—they must do research activities
• Managing delays in recruitment of students.
• A complete professional development approach for students—including IP, basics on commercialisation, communicating with stakeholders, project management, OH&S
Postaward management of Research Hubs and Training Centres

Administration

• The correct use of Centre or Hub titles
• Funding Agreement—changes to people, program or budget need to be notified to the ARC—ARC-Postaward@arc.gov.au
• Reporting on KPIs and reviewing them
Thank You