Industrial Transformation Research Program
Fostering Research Partnerships

Various venues, 12-21 November 2012

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Australian Research Council
Presentation Overview

- Overview of ARC and Linkage Program
- The context of why the Industrial Transformation Research Program (ITRP) came into being
- Details of the new schemes
- Round one priority areas
- Who can apply and how to do it
- Comparison of Commonwealth schemes
Government Investment in R&D 2011-12

- Business & Innovation: 24%
- Universities: 21%
- Other Health: 6%
- CRCs: 2%
- Rural: 2%
- Other Science: 4%
- Energy and the Environment: 5%
- Other Government: 11%
- Investigator Driven: 4.5%
- CSIRO: 8%
- NHMRC: 8%
- ARC: 9%

Total: $810m
ARC Strategic Objectives

• To *support* excellence in *research*
• To *build* Australia’s research *capacity*
• To *provide* informed high quality *policy advice* to government
• To *enhance* research outcomes through effective *evaluation*
• To *raise the profile* of Australia’s research effort and *be an effective advocate* for its benefits
National Competitive Grants Program

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

**Linkage Projects**
- Centres of Excellence
- Co-funded Centres and Special Research Initiatives
- Industrial Transformation Research Hubs
- Industrial Transformation Training Centres

Web: arc.gov.au | Email: info@arc.gov.au
Some Linkage Stats: Funding and Success Rates

Since 2005 there have been nearly 2000 instances of collaboration with Australian private companies, as partner organisations on linkage grants.
Success Rate: Comparison of Schemes

Success rate in commencement year 2012

- Linkage - Infrastructure
- Linkage - Projects 36%
- Discovery Indigenous
- ARC Future Fellowships
- Discovery - Projects
- Australian Laureate Fellowships
- Discovery Early Career Researcher Award
Some Linkage Stats: Partner Orgs.

Linkage Projects - number of Australian private companies as Partner Orgs 2005-2012

Linkage Projects - % Private companies and Government as Partner Orgs 2005-2012

Australian private companies average 28% of projects

The Linkage Projects scheme is a driver of collaboration between higher education researchers and other parts of the national innovation system.
The Money!

Must include at least one Australian Partner Organisation.

The Partner Organisation must make a significant contribution in cash and/or in kind, to the project that is equal to, or greater than, the ARC funding.
ARC Linkage Program

Summary of Significant Changes to the Linkage Projects Scheme:

The Linkage Program has two major changes:

1. The establishment of the Industrial Transformation Research Program (i.e. *Industrial Transformation Research Hubs* and *Industrial Transformation Training Centres*).
ARC Linkage Program

Summary of Proposed Significant Changes to the Linkage Projects Scheme:

2. Revision of the Linkage Projects scheme to complement the introduction of the Industrial Transformation Research Program, and to incorporate feedback from ARC consultation and the formal evaluation of the scheme.
ARC Linkage Program

National Competitive Grants Program (NCGP)

Linkage Program

- Linkage Projects
- Industrial Transformation Research Program
- Linkage Infrastructure, Equipment and Facilities
- Centres of Excellence
- Co-Funded Centres
- Special Research Initiatives
- Linkage Learned Academies Special 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
Details of the 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*
Industrial Transformation Research Hubs – Objectives

- encourage collaborative R&D projects to address challenging industry issues solved through innovative research relevant to the Industrial Transformation Priorities;
- attract investment from the global and international business community by underpinning internationally-recognised excellence of Australian universities and their industry partners; and
- leverage private 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
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 (ITTC)

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 $600,000 and a maximum of $1 million per year for three years for each Training Centre.
Linkage Schemes currently open:

- LP13
- ITRP Round 1
Industrial Transformation Priorities

- Industrial Transformation Priorities for round one address challenges in all areas of Australia’s food industry:
  - future food storage
  - food processing
  - manufacturing capabilities
  - product opportunities, and
  - other food related research

- Research priorities - flexibility in each round to meet identified priorities

- Information on current round priorities are available on the ARC website [www.arc.gov.au](http://www.arc.gov.au)
How can I apply and how to do it

• The organisation
  – Administering organisations
  – Other eligible organisations
  – Partner organisations

• The people
  – Hub/Centre Director;
  – Chief Investigator (CI)
  – Partner Investigator (PI)
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.

Training Centres – Partner Organisation Contributions

- Cash and In-kind contribution must be sufficient to support research projects of 10 Higher Degree by Research candidates and 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.
- The ARC may provide funding for Project costs to match eligible In-kind contributions where the Partner Organisation(s) are:
  - a registered charity;
  - a not-for-profit community organisation;
  - Start-Up Company; or
  - a museum or herbarium.
Training Centres – Industry Contributions

- ARC funding between $600,000 to $1 M for three years
- No minimum or maximum cash requirements for industry
- Cash and In-kind contributions must support the research projects of Higher Degree by Research candidates and postdoctoral fellows
How to Apply?

- Work with the proposed Administering Organisation – Research Office
- Applications opened in the ARC’s Research Management System (RMS) on **6 November** and closes on **18 December 2012**.
- The ARC will undertake an assessment process:
  - Proposals for both Research Hubs and Training Centres will be assessed by external expert assessors and members of an ARC Industry Advisory Panel (IAP).
  - Applicants will be given the opportunity for rejoinder
### ITRP – Next Steps/Timeline

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<th>Industrial Transformation Research Hubs</th>
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<td>Proposals open</td>
<td>6 November 2012</td>
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<tr>
<td>Proposals close</td>
<td>18 December 2012</td>
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<td>Rejoinders open and close</td>
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• New ARC CEO Prof. Aidan Byrne
• New ED Biological Sciences & Biotechnology; Dr Fiona Cameron
• ED Social, Behavioural and Economic Sciences; Prof. Marian Simms