CHEMCA
Industry Plenary Session
Sydney, 20 September 2011

Professor Margaret Sheil
CEO, Australian Research Council

Government Investment in R&D 2011-12

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

Other Government: 11%
The ARC

National Competitive Grants Program
$810M in 11-12

Discovery & Fellowships
$502 M

Linkage & Centres
$308 M

Evaluation and Policy
Excellence in Research for Australia

- Statutory Agency established 2001
- Mission: *to deliver policy and programs that advance Australian research and innovation globally and benefit the community*
- Fund direct costs to Universities and partners
- All disciplines except clinical medicine & dentistry
The Australian Government’s agenda

- Competing in an international landscape and preparing industries for challenges of the future
- Minister Carr wants *universities and research agencies to be more responsive to the communities that sustain them. Their partnerships with industry are the key to the businesses and jobs of the new Australia.*

Linkage Projects - Objectives

- development of strategic research alliances between higher education organisations and other organisations, including industry and end-users
- production of pool of world-class researchers to meet the needs of the Australian innovation system
### Partner Organisation Views: Why Use LP Scheme?

<table>
<thead>
<tr>
<th></th>
<th>Important</th>
<th>Not Important</th>
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<tbody>
<tr>
<td>Chance of success is reasonably high</td>
<td>47</td>
<td>10</td>
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<tr>
<td>Possible to obtain larger grants</td>
<td>76</td>
<td>10</td>
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<tr>
<td>Access to highly skilled research personnel</td>
<td>88</td>
<td>2</td>
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<tr>
<td>Opportunity to build longterm relationships with uni researchers</td>
<td>92</td>
<td>2</td>
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### Examples of Partner Organisations

- Akira
- BAE Systems Australia
- BHP Billiton Ltd
- Bluescope Steel Ltd
- Brisbane City Council
- CSL Limited
- GlaxoSmithKline Aust Pty Ltd
- Hydro Tasmania
- Rio Tinto Ltd
- Telstra Corp Ltd
- Bartlett Grain Pty Ltd
- Gold Coast City Council
- Lastik Pty Ltd
- Leica Geosystems
- Micronics Pty Ltd
- National Australia Bank Ltd
- Native Seeds Pty Ltd
- Orica Australia Pty Ltd
- Ridley Aqua-Feeds Ltd
- Romin Films
- Saltgrose Pty Ltd
- Santos Ltd
- Sialon Ceramics Pty Ltd
- Suncorp General Insurance
- Tissue Therapies Ltd
- Ulan Coal Mine Ltd
- Williams Buag Architects
- Wind Prospect Pty Ltd

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Web: arc.gov.au  |  Email: info@arc.gov.au
Other options for funding research collaboration

- Direct engagement
  - Consultancy
  - Contract research

- Co-operative Research Centres

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**Chart 4.1: Sources of ideas or information for innovation-active Australian firms, 2008–09**

- Within the business or related company: 49.4%
- Customers or buyers: 41.2%
- Suppliers: 30.4%
- Competitors and other businesses from the same industry: 30.2%
- Websites, journals, research papers, publications: 27.8%
- Professional conferences, seminars, meetings, trade shows: 27.6%
- Industry associations: 18.1%
- Consultants: 17.0%
- Government agencies: 14.1%
- Universities or other higher education institutions: 14.4%
- Commercial laboratories, research and development enterprises: 13.5%
- Private non-profit research institutions: 1.0%

Australian Innovation System report 2011 chapter 4
Fostering effective partnerships

- balancing short term issues with longer term strategy
- identifying the right researchers
- putting together the most effective teams
- intellectual property up front
- cooperation between institutions and funding agencies

Improved approaches

- Longer, more sustained partnerships
- Improving the prestige associated with industry collaboration within universities
- More industry involvement in assessment and project selection and review
- Research training embedded within industry
- International leverage (R&D tax credit)