

The Australian Research Council and University- Industry Collaboration





2016 - 2017

- ▶ Business Studies had 4 Discovery Grants in 2016
and 9 in 2017
- ▶ 1 and 3 for Management



Why is it So?

- ▶ In November 2015 there was a public exchange between the Prime Minister and the Vice-Chancellor of the University of Melbourne in which Mr Turnbull castigated Australian academics for the fact that the level of Industry-University research collaboration in Australia is the lowest amongst the 28 OECD countries.
- ▶ This exchange was linked to the Government's 2015 release of the [National Innovation and Science Agenda](#) which accentuated the need to deepen Industry-University collaboration.



EI 2018 Framework

- ▶ Engagement and Impact (EI) assessment will examine how universities are translating their research into economic, environmental, social and other benefits.
- ▶ EI 2018 aims to create incentives for greater collaboration between universities and industry, as well as other research end-users.
- ▶ The objectives of EI are to:
 - ▶ provide clarity to the Government and Australian public about how their investment in university research translate into tangible benefits beyond academia
 - ▶ identify institutional processes and infrastructure that enable research engagement
 - ▶ promote greater support for the translation of research impact within institutions for the benefit of Australia beyond academia
 - ▶ identify the ways in which institutions currently translate research into impact.



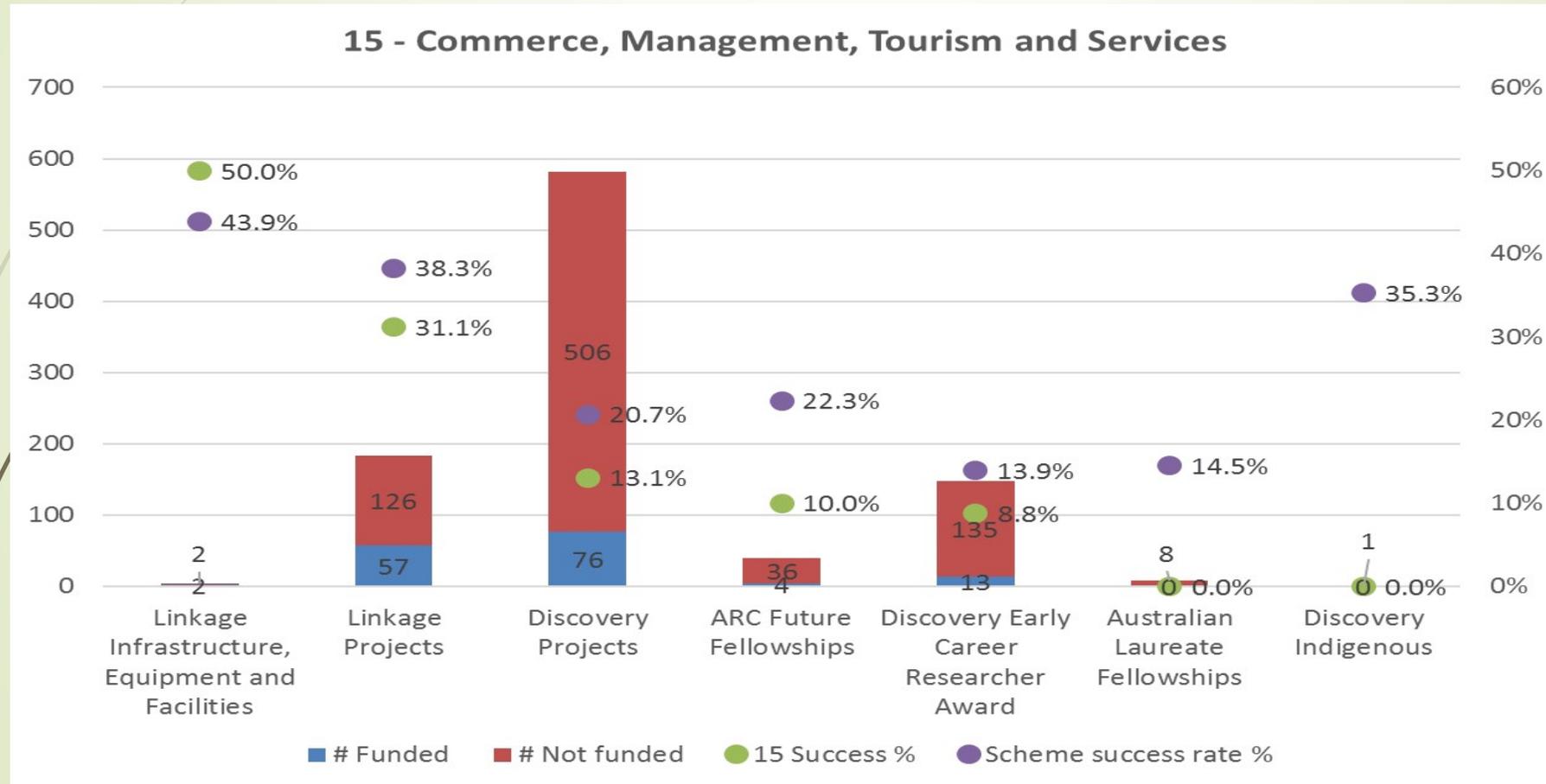
Professor Aidan Byrne

- ▶ **ARC Policy Issues and Funding Australian Business Deans**

Council - 15 July 2016

- ▶ <http://www.arc.gov.au/presentation-20160715-aidan-byrne>

2011-2015





Why is it So?

- ▶ Collapse in support for business studies by the ARC reflects the fact that the Government and the ARC are convinced:
 - ▶ Australian academics need to more closely collaborate with industry;
 - ▶ the Linkage system has not worked well;
 - ▶ the state is determined to increase collaboration;
 - ▶ pressure is being applied to induce academics to do so
 - ▶ process began with business studies and is being spread to other fields.



What is to be Done?

- Its not true
- If it is true it's not our fault
- Ignore
- Adjust performance metrics
- Game measurement
- ?

Research - Australian Literature

- ▶ [An industry/university collaboration to upgrade software engineering knowledge and skills in industry](#), D Carrington, P Strooper, S Newby... - Journal of Systems and ..., 2005 - Elsevier
- ▶ [Doctoral students on the university–industry interface: a review of the literature](#), T Thune - Higher Education, 2009 - Springer
- ▶ [Impacts of grants and contracts on academic researchers' interactions with industry](#), B Bozeman, M Gaughan - Research policy, 2007 - Elsevier
- ▶ [The training of “triple helix workers”? Doctoral students in university–industry–government collaborations](#), T Thune - Minerva, 2010 - Springer
- ▶ [Establishing university–community partnerships: Processes and benefits](#) N Buys, S Bursnall - Journal of Higher Education Policy and ..., 2007 - Taylor & Francis,
- ▶ [Key drivers of university–industry relationships: the role of organisational compatibility and personal experience](#)
K Tyler, M Patton, M Mongiello, D Meyer... - Journal of Services ..., 2007 - emeraldinsight.com
- ▶ [The evolution of university–industry linkages—A framework](#), C Plewa, N Korff, C Johnson, G Macpherson... - Journal of Engineering ..., 2013 – Elsevier
- ▶ [University–industry linkage evolution: an empirical investigation of relational success factors](#) C Plewa, N Korff, T Baaken... - R&D Management, 2013 - Wiley Online Library



What is to be done?

- ▶ Debate what is happening?
- ▶ Consider why Australian academics might be 30 on an OECD list of 30.
- ▶ Increase the importance of ARC in appointment and reward metrics
- ▶ Provide increased support for staff who are able and willing to embrace industry engagement
- ▶ Support research that can clarify:
 - ▶ what works with Industry-University collaboration
 - ▶ What management and organization studies can offer that industry wants
- ▶ And?



Samuel Ankrah a, Omar AL-Tabbaa b, (2015) 'Universities—industry collaboration: A systematic review', *Scandinavian Journal of Management*, 31, 387-408

Summary The collaboration between universities and the industry is increasingly perceived as a vehicle to enhance innovation through knowledge exchange. This is evident by a significant increase in studies that investigate the topic from different perspectives. However, this body of knowledge is still described as fragmented and lacks efficient comprehensive view. To address this gap, we employed a systematic procedure to review the literature on universities—industry collaboration (UIC). The review resulted in identifying five key aspects, which underpinned the theory of UIC. We integrate these key aspects into an overarching process framework, which together with the review, provide a substantial contribution by creating an integrated analysis of the state of literature concerning this phenomenon. Several research avenues are reported as distilled from the analysis.



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- What are the organizational forms of UIC?
- What are the motivations for UIC?
- How are UIC formed and operationalized
- What are the factors that facilitate or inhibit the operation of UIC?
- What are the outcomes of UIC?