

#### **Australian Government**

**Australian Research Council** 

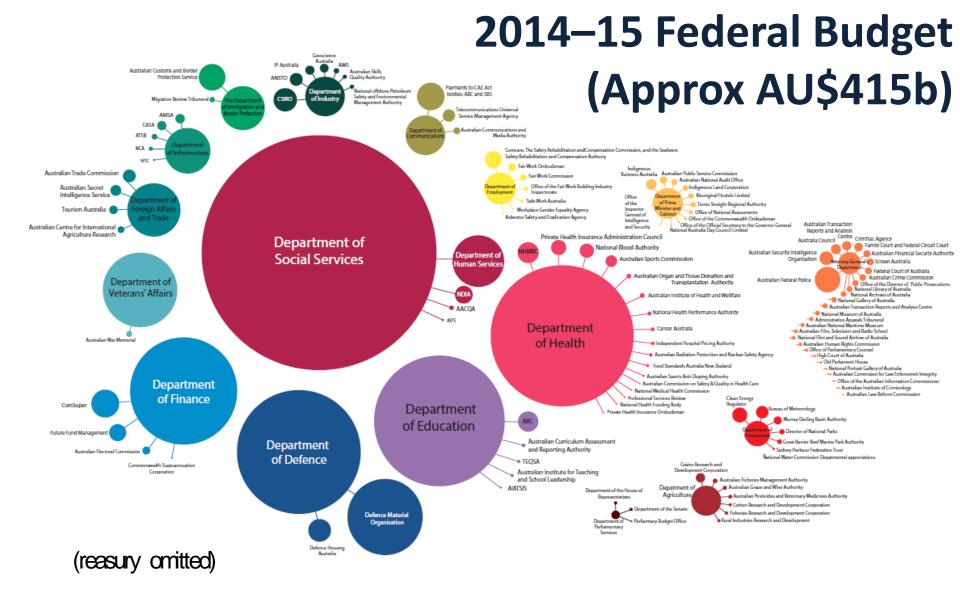
# Presentation to Annual Conference of ANZAM 25 June 2015

**Professor Marian Simms ARC Executive Director** 

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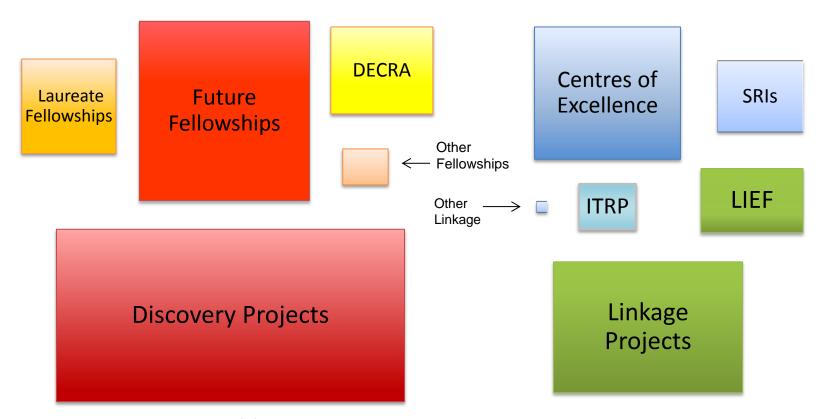
#### The Australian Research Council

- The Australian Research Council (ARC) is an independent statutory agency within The Department of Education. The ARC's main responsibilities are:
- providing funding for research through the competitive funding schemes of the National Competitive Grants Program (NCGP);
- providing policy advice on research matters to Government;
- Evaluating research quality in Australia through the Excellence in Research for Australia (ERA) exercise;
- and, together with the National Health and Medical Research Council (NHMRC), administering the Australian Research Integrity Committee (ARIC).



#### **National Competitive Grants Program**

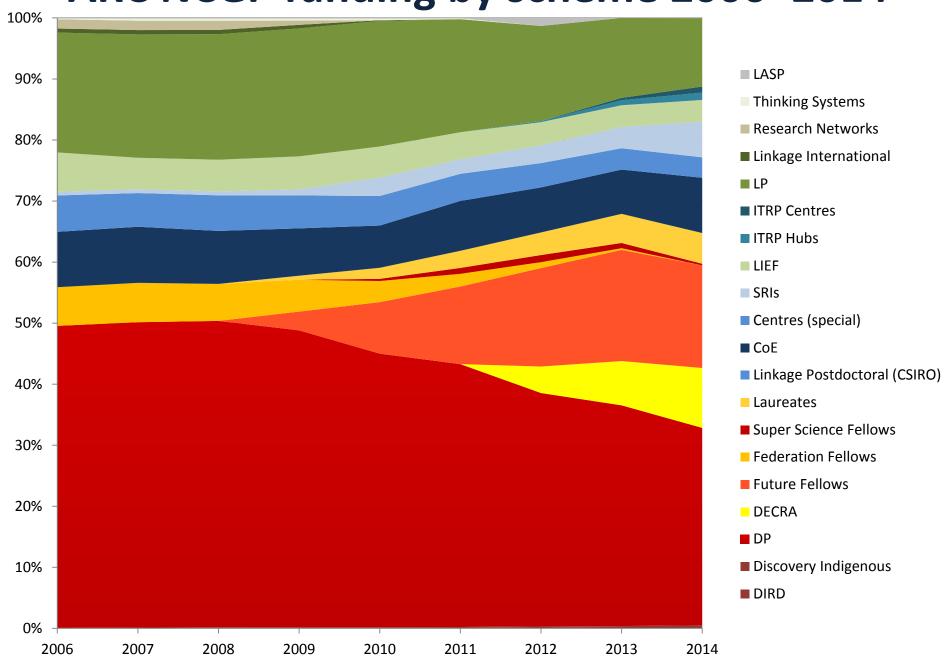
Discovery Programs Linkage Programs



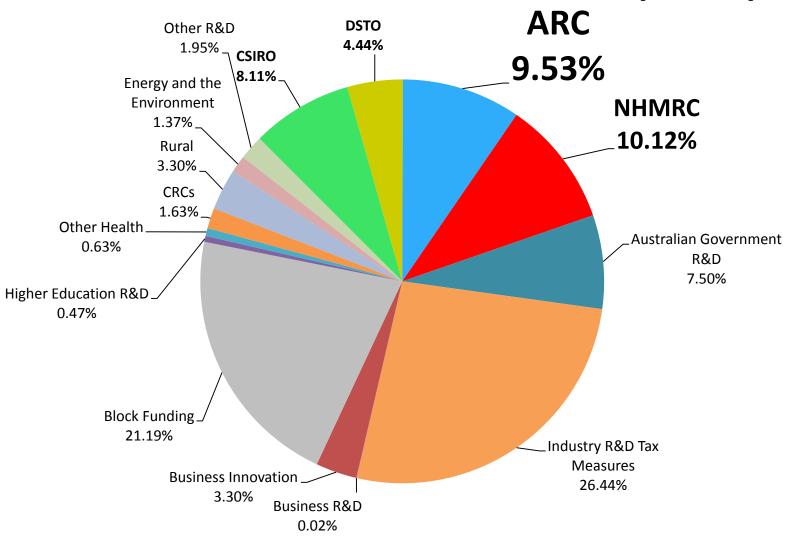
Area of box represents \$\$ awarded over the period 2009-2014. N.B. - Centres of Excellence, SRIs, not awarded in every year.

-  $\times$  &  $\times$  only funding since .

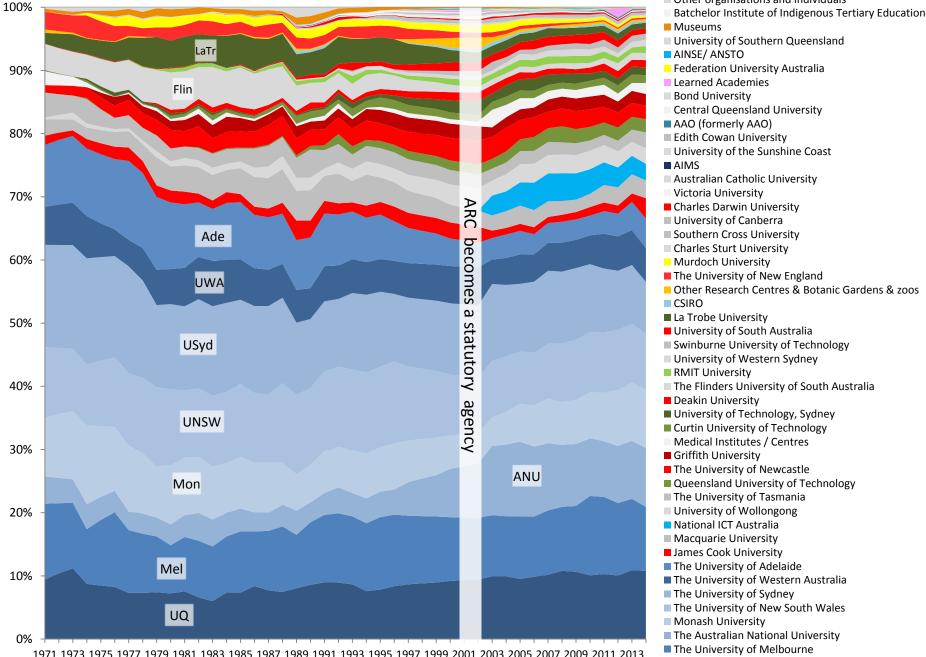
### ARC NCGP funding by scheme 2006-2014



### Australian Government support for science, research and innovation 2014-15 (\$9.2b)



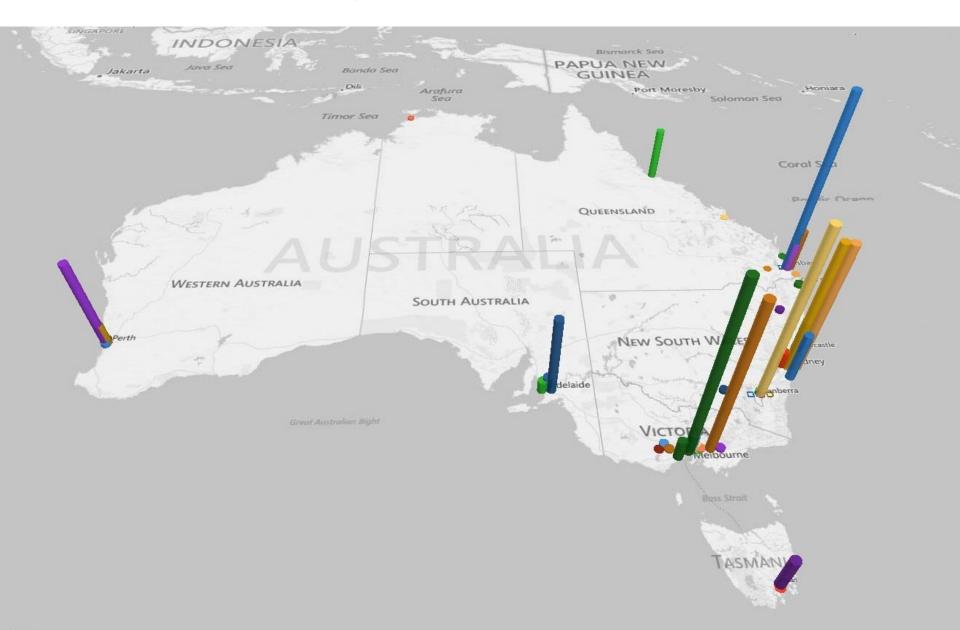
Grants funding by institute (%) 1971–2014



1971 1973 1975 1977 1979 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013

■ The University of Queensland

### ARC funding by institute 2010–2014



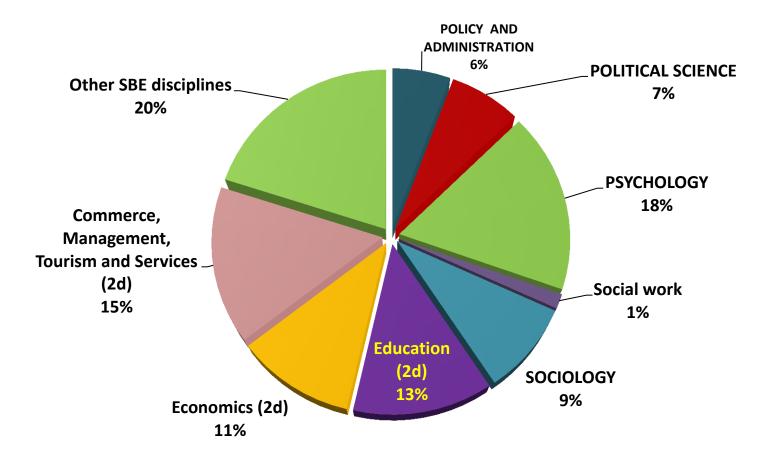
#### **NCGP** and Peer Review

- Under larger schemes, such as Discovery Projects (DP) and the Discovery Early Career Researcher Award (DECRA), all five panels of the ARC College convene for selection meetings. In other schemes, such as Australian Laureate Fellowships and Linkage Infrastructure, Equipment and Facilities schemes, a single interdisciplinary Selection Advisory Committee (SAC) may be utilised. SAC members may be ARC College members and/or other eminent researchers.
- The five panels are: Biological Sciences and Biotechnology (BSB), Engineering, Mathematics and Informatics (EMI), Humanities and Creative Arts (HCA), Physics, Chemistry and Earth Sciences (PCE), and Social Behavioural and Economic Sciences (SBE).

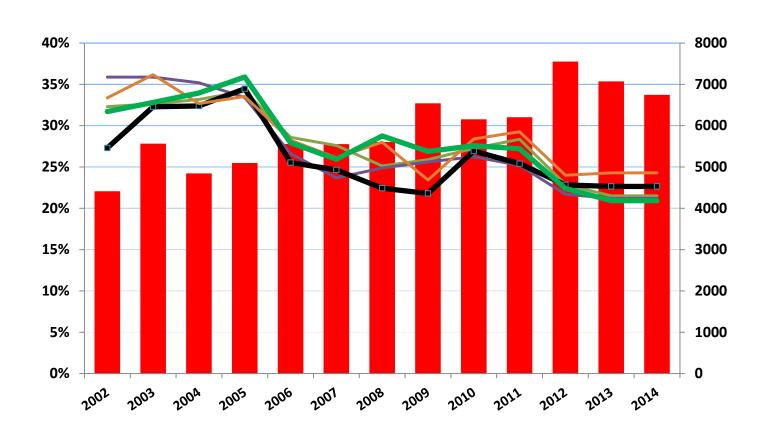
#### **Research Opportunity**

- The ARC is committed to ensuring all eligible researchers have fair access to competitive funding through the National Competitive Grants Program
- The ARC considers that Research Opportunity comprises two separate elements:
  - Career experiences (relative to opportunity)
  - Career interruptions
- The new ROPE Statement (released Feb 2014) is available on the ARC website

# Proportion of proposals received in selected disciplines of SBE (2002–2014)



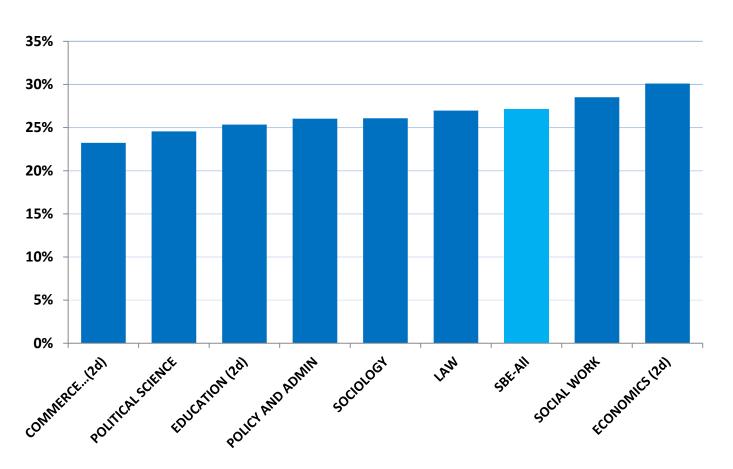
# Total success rate (all schemes, 2002–2014) and number of proposals received in NCGP panels



Total received ─BSB —EMI **==**HCA

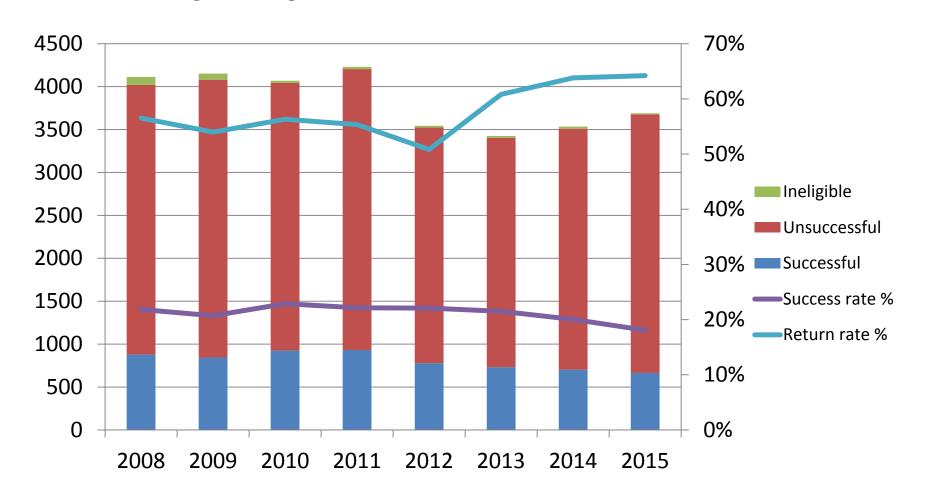
-PCE •

## Total success rate all schemes, selected disciplines (2002–2014)



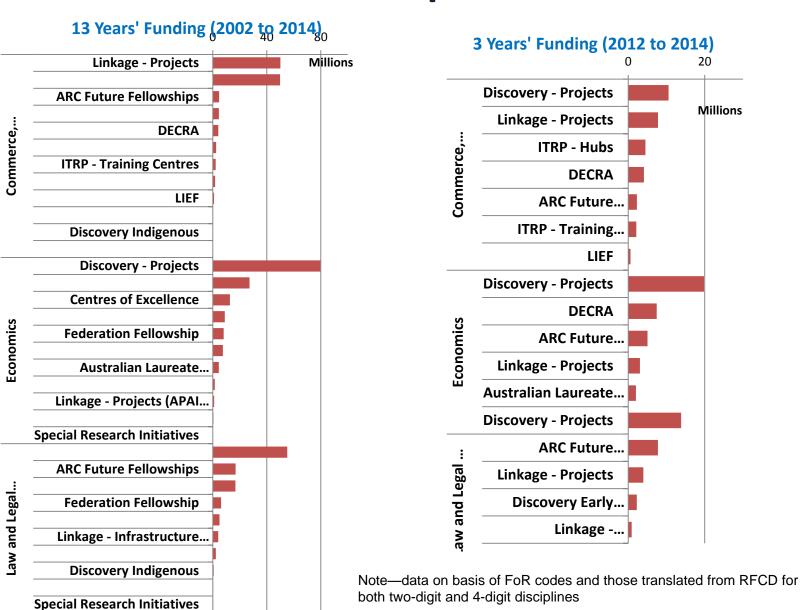
Note—data on basis of original RFCD and FoR codes for both two-digit and 4-digit disciplines

#### Discovery Projects—Success and return rates

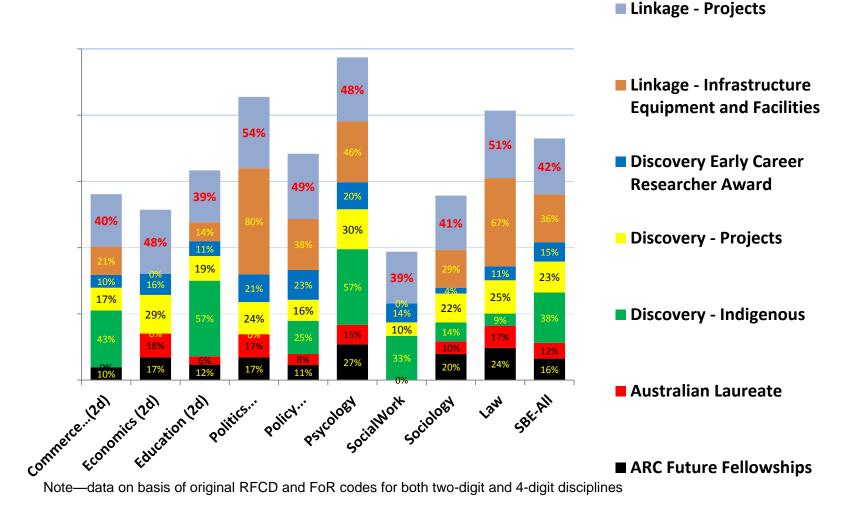


### Which Scheme is more important? Selected disciplines

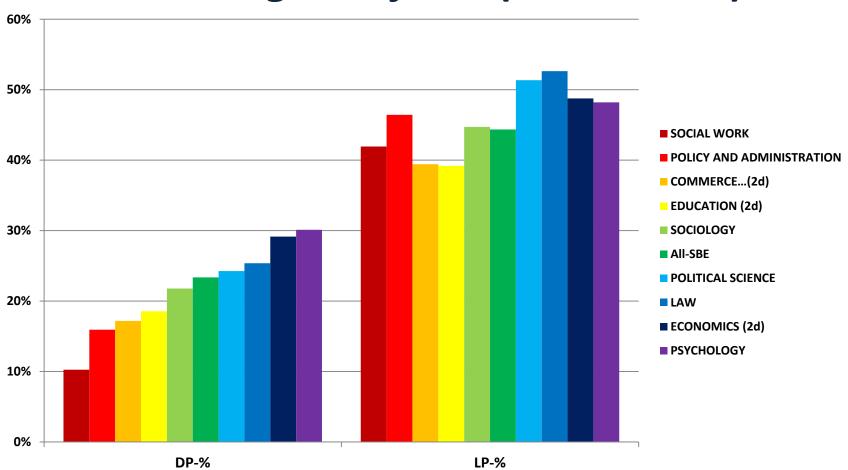
Millions



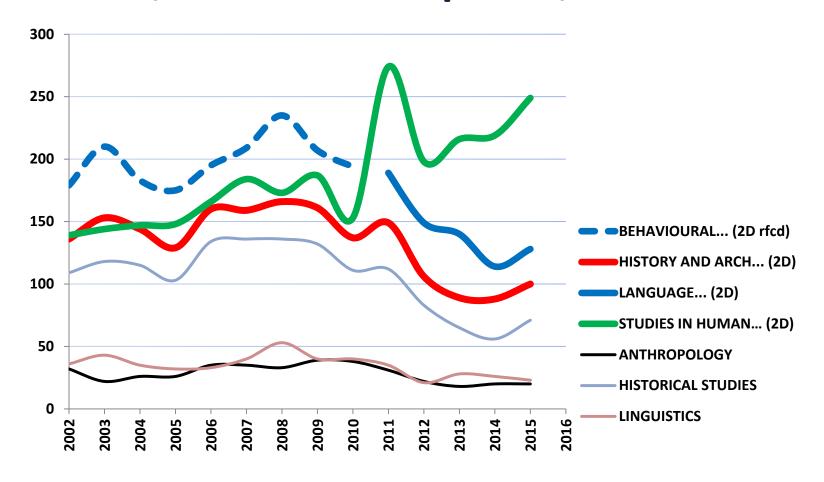
# Success rate in selected disciplines and schemes (2002–2014)



# Total success rate in Discovery Projects and *Linkage Projects* (2002–2014)

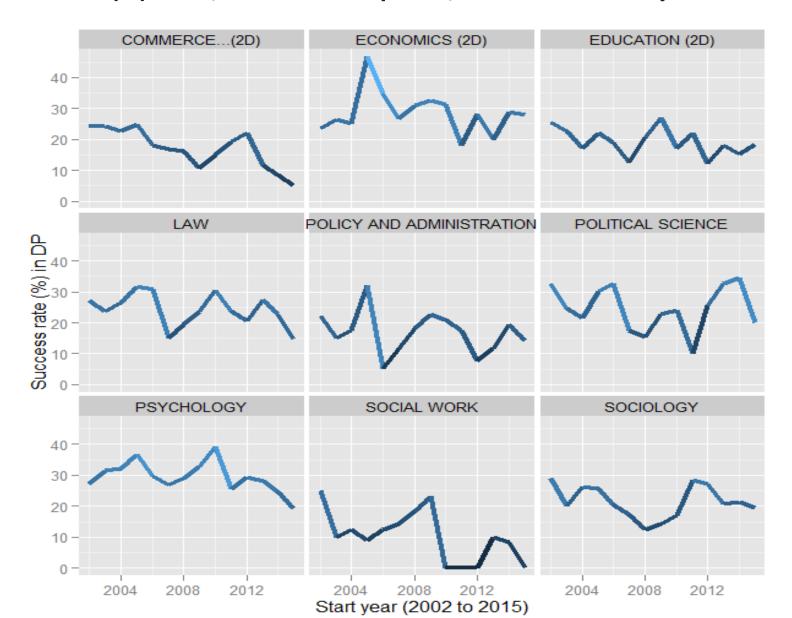


# Discovery Projects (DP)—Number of proposals received, selected disciplines, 2002–2015



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#### Success rate (%) in DP, selected disciplines, commencement year 2002 to 2015



### Success rate (%) and proposals in DP, selected disciplines, commencement year 2002 to 2015



### FoR Network mapping...

#### FoR 15: Commerce, Management, Tourism and Services

Rail Transportation and Freight Services

Road Transportation and Freight Services Air Transportation and Freight Services Industrial Relations Pricing (incl. Consum Value Estin Small Business Management Transportation and Freight Services not elsewhere classified **Human Resources Management** Organisational Behaviour International Accounting International Business Business and Management not elsewhere classified Organisational Planning and Manageme Corporate Governance and Stakeholder Engagement Financial Institutions (incl. Banking) Organisation and Management Theory lanking, Finance and Investment not elsewhere classified Auditing and Accountability Marketing Measurement Investment and Risk Management Sustainability Accounting and Reporting Marketing Management (incl. Strategy and Customer Re Accounting, Auditing and Accountability not elsewhere classified Management Accounting Insurance Studies Financial Accounting Consumer-Oriented Product or Service Development Financial Econometrics Taxation Accounting Marketing Research Methodology Sport and Leisure Management Business Information Management (incl. Records, Knowledge and Information Management, and Intelligence) Innovation and Technology Management Marketing Communications Accounting Theory and Standards usiness Information Systems Logistics and Supply Chain Management

FOR Network mapping...

#### All disciplines

Photonics, Optoelectronics and Optical Communications

Structural Biology (incl. Macromolecular Modelling)

and Surface Chemistry Biochemistry and Cell Biology not elsewhere classifie

Functional Materials

Nanomaterials

Fronte or Memory Bulg.

Proteol

Fronte or Memory Bulg.

Proteol

Proteomics and Intermolecular Interactions (excl. Medical Proteom

Gene Expression (incl. Microarray and other genome-wide approaches)
Microbial Ecology

Genomics

Central Nervous System

Population, Ecological and Evolutionary Genetic

Maries and Estuarité Ecolo

#### **Ecological Impacts of Climate Change**

Conservation and Biodiversit

attern Recognition and Data Mining

K X X Y

Developmental Psychology and Ar

Health Services not elsewhere classified

Health Promotio

Social and Cultural Anthropology

Australian History (excl. Aborigina and Torres Strait slander History)

01 MATHEMATICAL SCIENCES

02 PHYSICAL SCIENCES

03 CHEMICAL SCIENCES

04 EARTH SCIENCES

05 ENVIRONMENTAL SCIENCES

06 BIOLOGICAL SCIENCES

07 AGRICULTURAL AND VETERINARY SCIENCES

08 INFORMATION AND COMPUTING SCIENCES

09 ENGINEERING

**10 TECHNOLOGY** 

11 MEDICAL AND HEALTH SCIENCES

12 BUILT ENVIRONMENT AND DESIGN.

13 EDUCATION

14 ECONOMICS

15 COMMERCE, MANAGEMENT, TOURISM AND SERVICES

16 STUDIES IN HUMAN SOCIETY

17 PSYCHOLOGY AND COGNITIVE SCIENCES

18 LAW AND LEGAL STUDIES

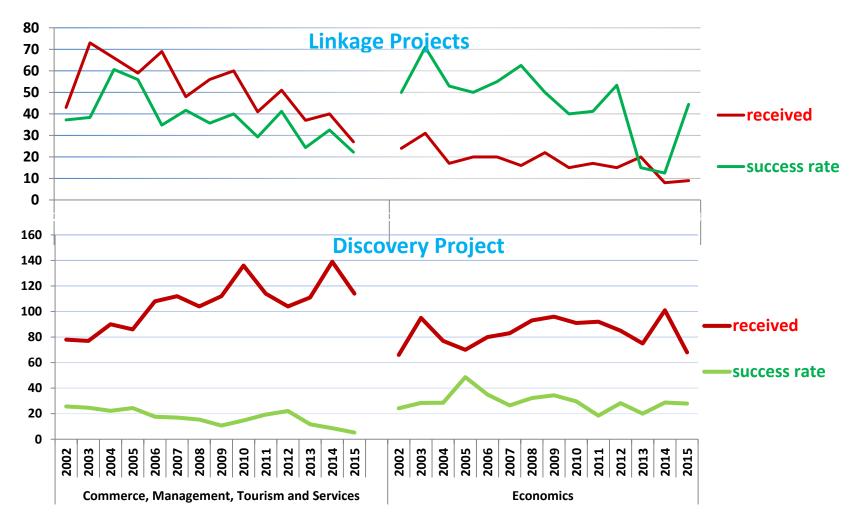
19 STUDIES IN CREATIVE ARTS AND WRITING

20 LANGUAGE, COMMUNICATION AND CULTURE

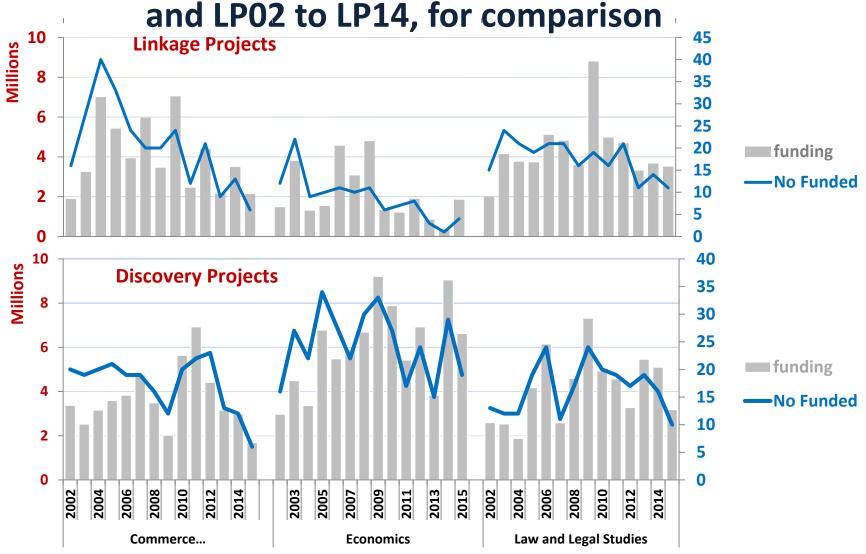
21 HISTORY AND ARCHAEOLOGY

22 PHILOSOPHY AND RELIGIOUS STUDIES

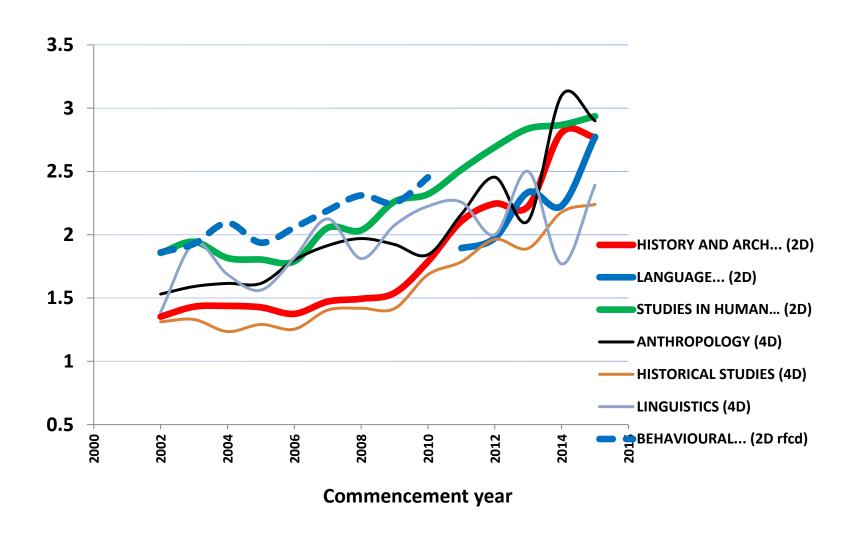
### Number of proposals received and success rate (%), comparison between LP and DP in Commerce and Economics



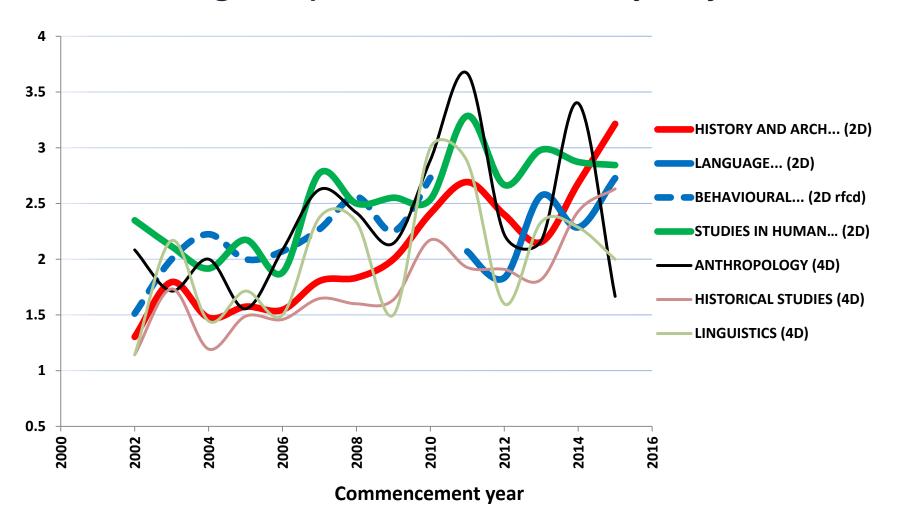
### ARC funding and number of projects funded in DP02 to DP15



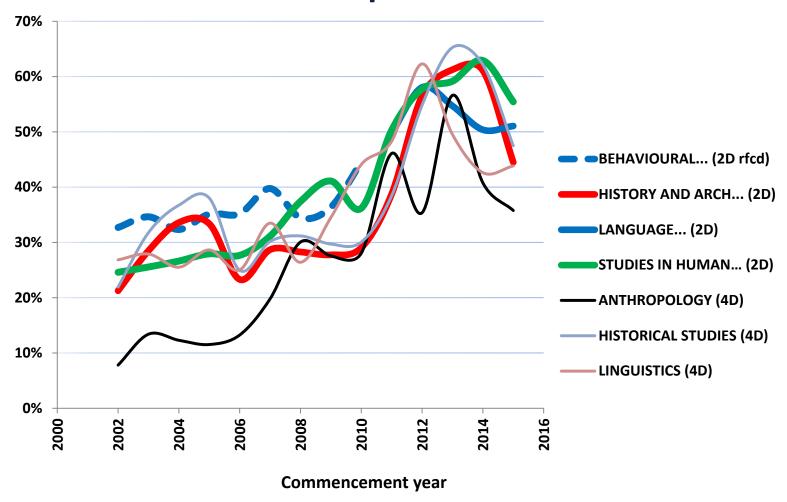
### Average number of named researchers (including Partner Investigators) on Discovery Projects proposals submitted



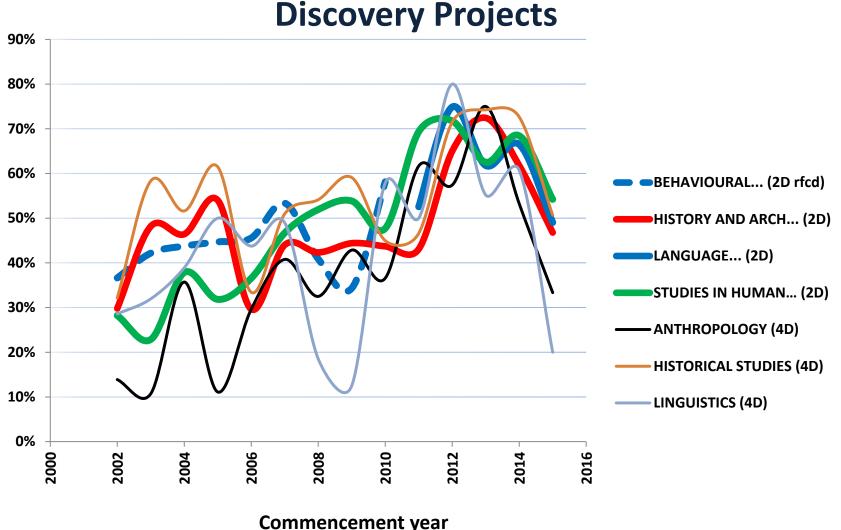
### Average number of named researchers (incl. Partner investigators) on funded Discovery Projects



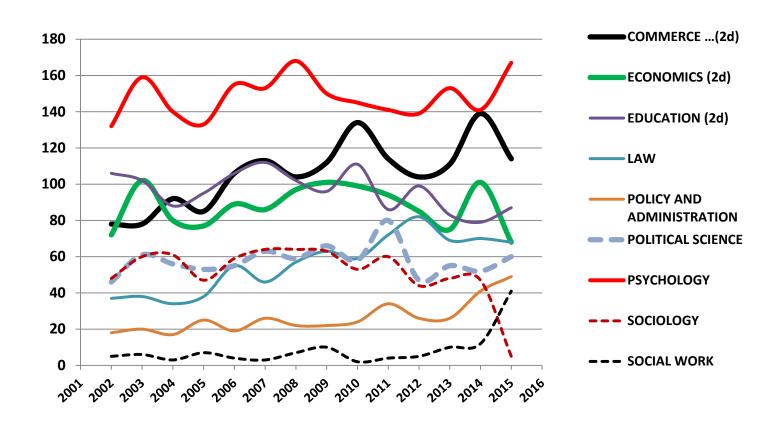
# Average Proportion of Prof and A/Prof Type of Researchers (including Partner Investigators) on Discovery Projects Proposals



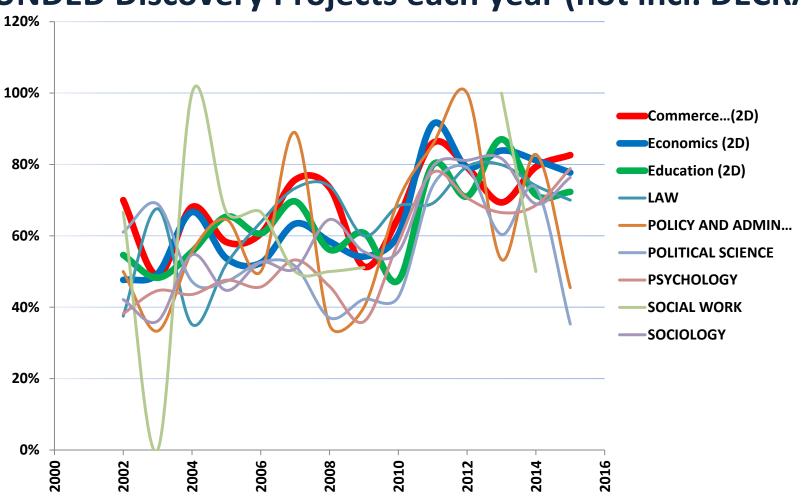
# Average Proportion of Prof and A/Prof Type of Researchers (including Partner Investigators) on funded



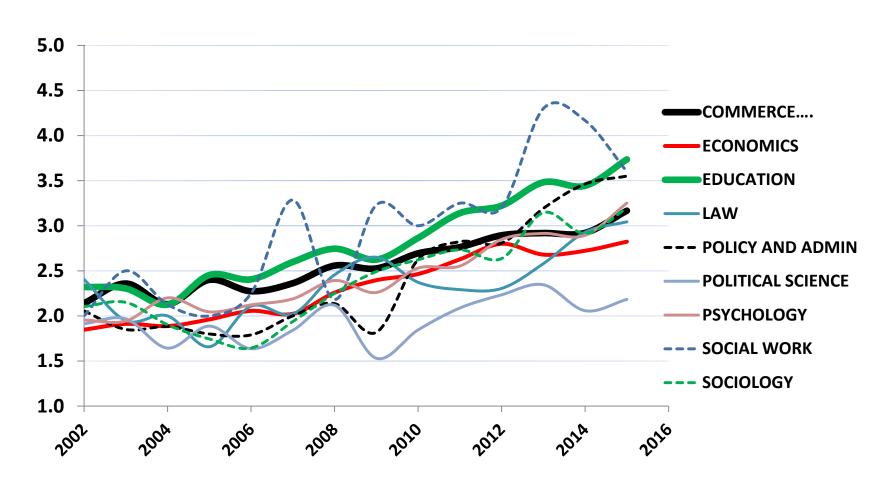
### Discovery Projects (DP)—Number of proposals received, selected disciplines, commencement year 2002 to 2015



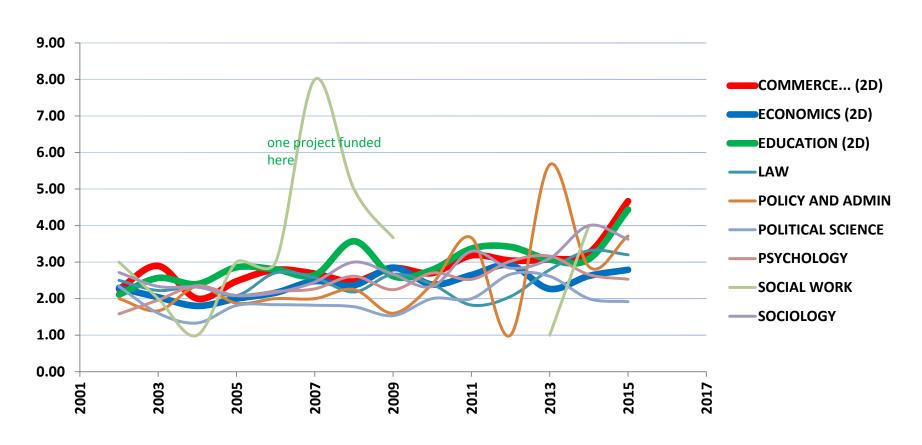
### Proportion of Prof and A/Prof type of researchers (incl. PI) on FUNDED Discovery Projects each year (not incl. DECRA)



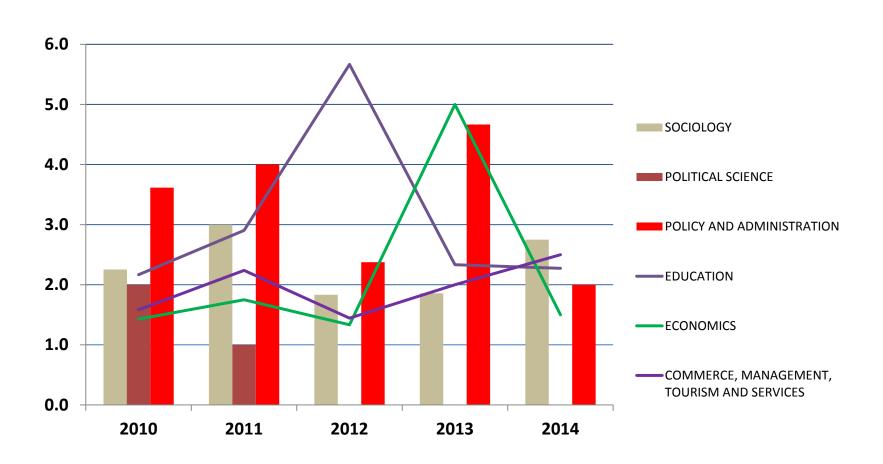
### Average number of researchers (including Partner Investigators) on each Discovery Projects proposal



### Average number of named researchers (including Partner Investigators) on each funded Discovery Project



### Average number of Partner Organisations on each Linkage Project



Research