

The Australian Government's 2014-15 Science, Research and Innovation Budget Tables

Minister for Industry's introduction

In 2014-15, the Australian Government is providing \$9.2 billion in support of science, research and innovation.

Science, research and innovation are critical determinants of the current and future wellbeing of the people of Australia. They are essential for increasing productivity growth and for ensuring a strong future for Australian industry. They are also essential for responding to national and global challenges such as our ageing population and energy security. This is the why the Government's investment in science, research and innovation occurs across a number of government portfolios, and especially in Industry, Education, Health, Defence and Agriculture.

The Government is committed to a world-class education and research sector as one of the five pillars required to support a productive and prosperous Australia. Through the 2014-15 Budget, and operating within a difficult fiscal environment, the government committed substantial new funding in support of science, research and innovation. This included a new Medical Research Future Fund and support for dementia research, investments in the ongoing operation of significant research infrastructure facilities such as CSIRO's new research vessel, the *RV Investigator*, and continued support for the Australian Research Council's Future Fellowships Scheme and for industry and small business research and development (R&D) through the R&D Tax Incentive. There has been significant growth in the number of new firms undertaking R&D under this programme, with a 49 per cent increase in 2011-12 and a further increase of at least 9 per cent in 2012-13.

Overall, Australia's science and research sector is highly productive, internationally connected and recognised globally for the superior quality of its research. However, we perform poorly in translating our large public investments in research into commercial outcomes. One initiative being implemented by Government to address this issue is the new Entrepreneurs' Infrastructure Programme which includes a range of tailored commercialisation services, designed to provide entrepreneurs and innovative businesses access to advice, connections and support, to enhance their prospects of commercial success. Government is also considering other initiatives to encourage innovation, support for R&D and the commercialisation of good ideas as part of the National Industry Investment and Competitiveness Agenda.

When Australian businesses talk to and work with research organisations to improve their products and services, these businesses report increased productivity and profitability. They are more likely to afterwards offer a greater range of goods and services and to target more export markets. These businesses are much more likely to increase both employment and training for their existing employees. Research organisations that collaborate with businesses benefit too: they gain access to new sources of ideas, skills and expertise, equipment and facilities, funding and future commercialisation opportunities. Collaboration ensures that research reaches the widest possible audience and can make the biggest impact on people and practices.

Collaboration keeps both businesses and researchers at the cutting edge and increases the commercial and public outcomes from research. For this reason, it is a priority for the Australian Government to strengthen the connections between science, research and industry. The government encourages research institutions and businesses to 'look outwards' for opportunities to collaborate with each other.

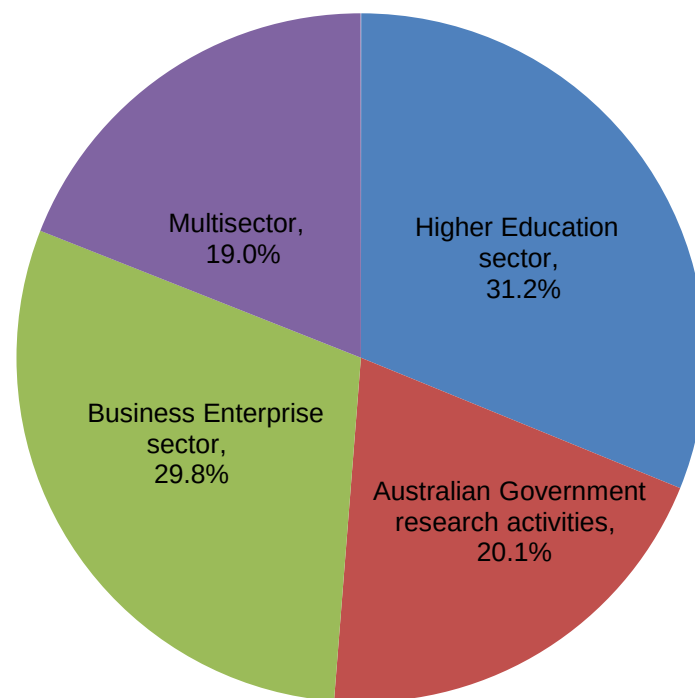
The Hon Ian Macfarlane MP

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Table 1. Summary of Australian Government support for science, research and innovation by sector

Portfolio / Activity	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	2012-13 \$m	Estimated Actual 2013-14 \$m	Budget Estimate 2014-15 \$m	% of 2014-15 expenditure
Intramural expenditure on science, research and innovation ¹											
Australian Government research											
CSIRO	593.9	610.1	663.1	675.8	714.8	730.3	724.9	733.8	778.2	745.3	8.1
Defence Science & Technology Organisation	351.1	408.1	406.0	379.5	407.6	421.7	450.9	434.1	421.2	408.2	4.4
Australian Government R&D	472.0	490.0	570.2	561.6	574.8	594.0	594.5	664.0	662.0	689.8	7.5
<i>Sub-total</i>	<i>1,417.0</i>	<i>1,508.2</i>	<i>1,639.3</i>	<i>1,616.9</i>	<i>1,697.2</i>	<i>1,746.0</i>	<i>1,770.4</i>	<i>1,831.9</i>	<i>1,861.4</i>	<i>1,843.3</i>	<i>20.1</i>
Extramural expenditure on science, research and innovation											
Business Enterprise sector											
Industry R&D Tax Measures	897.0	1,005.0	1,236.0	1,749.0	1,775.0	1,915.0	2,649.0	2,568.0	2,726.0	2,430.0	26.4
Business R&D	191.1	212.2	234.0	179.3	64.5	43.8	16.6	13.7	3.6	1.5	0.0
Business Innovation	232.5	245.2	255.7	266.9	534.2	427.8	406.6	314.4	344.5	303.7	3.3
<i>Sub-total</i>	<i>1,320.6</i>	<i>1,462.4</i>	<i>1,725.7</i>	<i>2,195.2</i>	<i>2,373.7</i>	<i>2,386.6</i>	<i>3,072.2</i>	<i>2,896.1</i>	<i>3,074.1</i>	<i>2,735.2</i>	<i>29.8</i>
Higher Education sector											
Australian Research Council	544.4	570.3	571.8	585.9	652.8	708.7	808.8	879.1	886.9	875.6	9.5
Performance Based Block Funding	1,383.3	1,400.4	1,391.7	1,408.4	1,514.0	1,661.4	1,774.6	1,807.5	1,874.5	1,947.3	21.2
Higher Education R&D	135.2	5.0	7.4	10.9	196.2	229.2	174.6	94.3	87.3	43.4	0.5
<i>Sub-total</i>	<i>2,062.8</i>	<i>1,975.7</i>	<i>1,970.9</i>	<i>2,005.2</i>	<i>2,363.0</i>	<i>2,599.3</i>	<i>2,758.1</i>	<i>2,780.8</i>	<i>2,848.6</i>	<i>2,866.3</i>	<i>31.2</i>
Multisector											
National Health & Medical Research Council	424.6	471.7	560.7	699.3	707.1	754.2	811.8	763.0	858.6	930.1	10.1
Other Health	250.6	493.3	61.1	116.5	92.8	159.4	267.6	107.2	96.7	58.3	0.6
Cooperative Research Centres	208.1	189.3	211.9	182.3	178.9	172.6	165.5	155.6	144.1	149.7	1.6
Rural	224.6	228.8	231.5	232.6	221.8	218.3	269.3	254.1	306.9	303.4	3.3
Energy and the Environment	47.1	74.0	83.4	185.7	262.9	252.0	207.7	211.6	201.0	125.6	1.4
Other R&D	127.9	209.4	233.8	279.6	486.4	681.3	482.6	577.7	186.1	179.6	2.0
<i>Sub-total</i>	<i>1,282.9</i>	<i>1,666.6</i>	<i>1,382.5</i>	<i>1,695.9</i>	<i>1,949.7</i>	<i>2,237.8</i>	<i>2,204.5</i>	<i>2,069.3</i>	<i>1,793.4</i>	<i>1,746.7</i>	<i>19.0</i>
Total Australian Government support	6,083.4	6,612.8	6,718.5	7,513.2	8,383.6	8,969.8	9,805.1	9,578.1	9,577.5	9,191.5	100.0

Figure 1. Percentage breakdown of Australian Government support for science, research and innovation by sector



As shown in the subtotals in Table 1, the sector receiving the highest proportion of support in 2014-15 is the Higher Education sector (31.2%), followed by the Business Enterprise sector (29.8%), the Government sector (20.1%) and Multisector research activities (19.0%).

Table 2. Australian Government support for science, research and innovation by government portfolio

Portfolio	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Agriculture	259.1	260.5	261.4	260.6	252.5	240.3	281.2	258.8	308.7	305.3
Attorney-General's	4.0	4.8	5.2	5.4	5.3	5.8	6.5	5.0	5.1	4.1
Communications	23.5	24.0	26.8	27.3	25.4	25.9	25.0	23.8	22.6	21.4
Defence	351.1	408.1	408.3	390.4	421.1	436.1	467.3	440.0	427.2	412.1
Education	2,118.5	2,054.0	2,091.4	2,135.9	2,689.5	3,050.2	3,019.9	3,090.0	2,987.0	3,007.9
Employment	-	-	-	-	-	-	0.1	0.1	0.1	-
Environment	159.7	197.3	198.0	212.7	208.6	193.9	231.0	223.6	215.7	192.0
Foreign Affairs and Trade	62.1	74.5	100.1	119.6	146.4	198.7	206.2	286.3	101.9	103.4
Health	675.2	965.0	624.0	820.0	803.6	917.8	1,083.5	875.2	959.1	992.7
Human Services	-	-	-	-	2.0	2.0	2.2	2.0	1.3	-
Industry	2,420.2	2,614.7	2,989.0	3,528.5	3,815.7	3,871.6	4,441.4	4,335.2	4,510.1	4,115.4
Infrastructure and Regional Development	2.4	7.3	9.3	7.0	5.2	5.9	5.4	5.1	4.1	4.8
Prime Minister and Cabinet	0.5	0.6	0.6	1.1	1.1	1.8	1.8	1.9	0.9	0.7
Social Services	5.9	0.8	3.1	3.3	3.5	14.4	28.5	26.9	28.7	26.0
Veterans' Affairs	1.3	1.3	1.2	1.3	3.6	5.3	5.2	4.3	5.0	5.5
Total	6,083.4	6,612.8	6,718.5	7,513.2	8,383.6	8,969.8	9,805.1	9,578.1	9,577.5	9,191.5

Table 3. Australian Government research activities

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Attorney-General's										
Australian Institute of Criminology Research Program	3.0	4.0	4.5	4.5	4.2	4.5	4.2	3.0	2.8	2.8
Australian National Maritime Museum	-	-	-	0.2	0.1	0.1	0.1	0.1	0.2	0.2
ARC Linkage Grants - NMA Contribution	0.0	0.1	0.1	0.0	-	0.1	0.1	0.1	0.1	-
Defence										
Defence Science and Technology Organisation	351.1	408.1	406.0	379.5	407.6	421.7	450.9	434.1	421.2	408.2
Education										
Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS)	1.9	1.8	1.8	2.1	2.0	2.4	2.1	2.9	3.0	3.0
Environment										
Antarctic Division	94.6	99.6	105.5	104.6	116.9	101.6	103.1	101.8	104.5	95.4
Bureau of Meteorology Research Activities	11.7	12.8	12.6	19.9	22.6	27.8	31.0	32.4	31.5	28.0
Great Barrier Reef Marine Park Authority	4.9	4.8	4.8	3.4	3.0	2.6	2.8	1.8	2.2	1.0
Supervising Scientist	7.5	11.1	11.2	11.0	12.4	12.9	13.8	14.0	13.9	14.5
Parks Australia (Commonwealth marine)	-	-	-	-	-	-	-	0.2	-	-
Foreign Affairs and Trade										
Australian Centre for International Agricultural Research	46.4	51.3	56.8	56.1	72.8	88.3	97.5	104.7	101.8	103.3
Health										
Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) - Radiation in Health Care - Safe and Better Use	-	-	2.1	4.3	2.0	2.0	2.0	1.9	1.9	1.9
Australian Sports Commission Research Programs	-	-	-	-	1.8	2.2	2.1	3.0	1.8	2.5
Human Services										
Human Services Delivery Research Alliance	-	-	-	-	2.0	2.0	2.0	2.0	1.3	-
Service Delivery Reform Research	-	-	-	-	-	0.0	0.2	-	-	-

Table 3 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Industry										
Australian Astronomical Observatory	4.6	4.7	4.8	4.9	9.0	10.4	10.3	11.2	11.0	11.2
Australian Institute of Marine Science (AIMS)	23.1	24.5	26.6	27.6	30.4	30.9	31.2	31.5	33.3	38.8
Australian Nuclear Science & Technology Organisation (ANSTO)	158.5	141.6	185.7	174.7	155.2	179.7	165.1	229.1	211.1	252.8
Commonwealth Scientific and Industrial Research Organisation (CSIRO)	593.9	610.1	663.1	675.8	714.8	730.3	724.9	733.8	778.2	745.3
Department of Industry - Strategic Research Fund	-	-	-	-	-	-	-	-	0.2	0.3
Geoscience Australia	107.4	125.4	145.0	139.0	130.6	116.2	111.4	113.2	131.2	125.0
National Measurement Institute	8.0	8.0	8.5	8.5	9.0	9.5	9.5	9.5	7.5	7.5
Prime Minister and Cabinet										
Closing the Gap Clearinghouse	-	-	-	0.5	0.5	0.5	0.5	0.5	-	-
Social Services										
Building a New Life in Australia Longitudinal Study of Humanitarian Migrants (Australian Institute of Family Studies)	-	-	-	-	-	-	0.7	0.8	2.0	1.2
Personal Safety Survey (Australian Bureau of Statistics)	-	-	-	-	-	-	3.7	-	-	-
Veterans' Affairs										
Australian War Memorial - Official Histories	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Department of Veteran's Affairs - Family Study Research	-	-	-	-	-	-	1.1	0.2	0.6	0.4
Total	1,417.0	1,508.2	1,639.3	1,616.9	1,697.2	1,746.0	1,770.4	1,831.9	1,861.4	1,843.3

Table 4. R&D granting programs and other support for science, research and innovation

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Agriculture										
A Competitive Agriculture Sector - boosting farm profits through rural R&D	-	-	-	-	-	-	-	-	-	19.2
Animal Welfare, Biosecurity and Exotic Disease Preparedness Programs	0.1	-	-	0.1	0.0	0.1	0.2	2.9	0.2	0.0
Carbon Farming Futures - Action on the Ground	-	-	-	-	-	-	8.1	7.0	11.5	9.9
Carbon Farming Futures - Filling the Research Gap	-	-	-	-	-	-	17.6	8.1	39.6	26.3
Carbon Farming Initiative	-	-	-	-	-	0.3	2.0	1.8	0.2	-
Centres of Excellence - Biosecurity Risk Analysis and Research	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8
Centres of Excellence - National Food Industry Strategy	2.4	2.3	-	-	-	-	-	-	-	-
Climate Change Research Program	-	-	-	10.0	15.0	15.0	6.2	-	-	-
Fisheries Resources Research Fund	3.1	3.1	3.1	3.2	3.8	1.6	0.1	2.1	2.1	0.3
Food Innovation Grants - National Food Industry Strategy	15.4	13.1	13.1	-	-	-	-	-	-	-
Forest Industry Climate Change Research Fund	-	-	-	-	3.5	1.3	-	-	-	-
Land and Water Research	12.5	12.8	13.0	13.0	6.7	-	-	-	-	-
National Weeds and Productivity Research Program	-	-	-	3.1	4.1	4.0	4.0	-	-	-
New Industries Development Program	2.6	2.0	2.3	0.2	-	-	-	-	-	-
Plant Biosecurity and Response Reform	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1
Regional Food Producers/Seafood Industry Innovation and Productivity Program	-	-	-	-	3.0	5.1	0.4	-	-	-
Rural Industries R&D Corporation	14.9	14.9	13.4	13.3	14.0	13.1	15.1	14.7	14.7	12.7
Wine Industry Support	-	-	-	-	-	-	-	-	1.1	-
Dairy Australia Limited	15.4	16.0	18.3	19.2	19.6	17.7	18.4	19.3	20.1	19.9
Fishing Industry Research	32.8	28.0	14.9	21.4	16.3	16.5	17.5	17.0	17.3	17.4
Grains	35.1	35.8	37.5	42.2	50.1	53.4	57.6	62.8	67.0	68.9
Horticulture Research	32.9	34.0	36.2	32.4	40.2	39.2	42.0	41.9	43.5	43.5
Meat Research	36.3	37.6	45.0	42.8	42.0	37.8	49.4	40.6	50.2	48.6
Other Rural Research	37.8	47.6	50.8	45.9	22.3	23.7	29.3	25.0	27.4	25.2
Wool Research	16.2	11.6	12.1	12.2	10.3	9.6	11.5	13.7	12.0	11.5

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Attorney-General's										
Australian Institute of Criminology - Criminology Research Grant Program	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.5	0.5	0.4
Australian Institute of Criminology - National Drug and Law Enforcement Research Program	-	-	-	-	-	0.2	1.1	0.7	1.0	0.7
Australia Council - Synapse program	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	-
Conservation and Preservation Program	-	-	-	-	0.3	0.3	0.4	0.4	0.4	-
ARC linkage grant - (through the University of Sydney) - Cultures of coast and sea: maritime environmental, cultural and ethnographic histories of northeast Australia	-	-	-	-	-	-	0.1	0.1	0.1	-
Communications										
ICT Centre of Excellence	23.5	24.0	26.8	27.3	25.4	25.9	25.0	23.8	22.6	21.4
Defence										
Australian Civil-Military Centre - Research and Lessons Learnt	-	-	-	-	0.3	0.8	0.9	1.3	0.5	1.0
Capability Technology Demonstrator - Extension Program	-	-	2.2	10.9	10.4	10.1	10.4	0.0	-	-
Defence Industry Innovation Centre	-	-	-	-	2.8	3.2	4.4	3.5	4.9	2.9
Jet Fuel Exposure Syndrome Study	-	-	-	-	-	0.3	0.8	1.2	0.6	-
Education										
Australian National University Research Infrastructure Projects	125.0	-	-	-	-	-	-	-	-	-
Bond University - Grant for Clinical Education and Research Centre Building	-	-	-	2.5	-	-	-	-	-	-
Bond University - Grant for Health Science and Medicine Building	4.5	-	-	-	-	-	-	-	-	-
Collaborative Research Network Program	-	-	-	-	-	9.7	20.7	20.7	10.4	10.3

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Commonwealth Strategic Relationship with ANU										
· Australian National Institute for Public Policy	-	-	-	-	-	1.7	2.4	0.1	0.8	-
· Building the Australian Centre on China in the World	-	-	-	-	-	10.1	5.4	2.7	-	-
· Building the National Security College	-	-	-	-	-	0.1	0.2	-	-	-
· Centre on China in the World	-	-	-	-	-	35.0	-	-	-	-
· National Security College	-	-	-	-	-	0.1	0.1	0.0	0.1	-
· Sir Roland Wilson Foundation	-	-	-	-	-	7.0	-	-	-	-
Major National Research Facilities	42.2	-	-	-	-	-	-	-	-	-
National Collaborative Research Infrastructure Strategy	13.1	78.2	120.6	102.8	104.1	107.1	-	-	80.1	100.1
Australian Research Council (ARC)	544.4	570.3	571.8	585.9	652.8	708.7	808.8	879.1	886.9	875.6
Education Investment Fund - Round 1										
· Institute of Photonics	-	-	-	0.2	18.6	9.8	0.1	0.1	-	-
· New Horizons - Monash University Project	-	-	-	0.4	8.0	11.5	58.0	11.8	0.2	-
Education Investment Fund - Round 2										
· Australian Institute for Innovative Materials	-	-	-	-	27.8	16.0	-	-	-	-
· Building the Sydney Institute of Marine Science	-	-	-	-	10.5	6.0	3.0	-	-	-
· Centre for Climate Change and Energy Research	-	-	-	-	40.0	-	-	-	-	-
· Centre for Neural Engineering	-	-	-	-	3.9	10.2	3.4	-	-	-
· Institute for Marine and Antarctic Studies	-	-	-	-	45.0	-	-	-	-	-
· La Trobe Institute for Molecular Sciences	-	-	-	-	14.4	34.2	15.5	-	-	-
· National Centre for Synchrotron Science	-	-	-	-	18.0	15.8	3.0	-	-	-
· Smart State Medical Research Centre	-	-	-	-	-	55.0	-	-	-	-
Education Investment Fund - Round 3										
· AuScope Australian Geophysical Observing System	-	-	-	-	-	7.3	6.8	5.3	3.6	-
· Australian Future Fibres Research and Innovation Centres	-	-	-	-	-	3.5	15.0	18.5	-	-
· Green Chemical Futures	-	-	-	-	-	0.9	4.3	15.6	8.3	-
· Indian Ocean Marine Research Centre	-	-	-	-	-	1.5	8.5	11.0	13.0	-
· National Imaging Facility	-	-	-	-	-	34.6	5.6	-	-	-
· The Australian Institute for Nanoscience	-	-	-	-	-	7.1	26.1	-	-	6.8

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Education Investment Fund - Super Science										
· Super Science - Future Industries	-	-	-	20.0	109.0	109.0	112.5	100.5	3.0	-
· Super Science - Marine and Climate	-	-	-	8.0	71.0	116.0	64.4	97.6	-	-
· Super Science - Space Science and Astronomy	-	-	-	-	20.0	20.0	7.5	42.5	-	-
Education Investment Fund - Sustainability Round	-	-	-	-	-	-	-	-	-	-
· Newcastle Institute for Energy and Resources	-	-	-	-	-	13.8	12.1	4.1	-	-
· Retrofitting for Resilient and Sustainable Buildings	-	-	-	-	-	10.1	15.0	-	-	-
· Sustainable Energy for SKA	-	-	-	-	-	-	24.2	11.6	11.5	-
Clean Energy Initiative (Education Investment Fund)	-	-	-	-	-	-	-	16.7	39.1	38.3
Funding for Higher Education Research Promotion	4.1	3.3	5.6	4.6	4.7	4.3	4.5	5.7	5.2	4.7
Funding for research and research training provided under HESA (2003)										
· Australian Postgraduate Awards	93.1	94.1	96.6	101.4	151.1	183.0	218.9	248.4	266.3	276.1
· Commercialisation Training Scheme	0.4	5.5	5.5	5.5	5.6	5.7	2.9	-	-	-
· Institutional Grants Scheme	296.1	302.0	308.1	311.3	157.3	-	-	-	-	-
· International Postgraduate Research Scholarship	18.5	18.4	19.2	19.4	19.8	20.2	20.7	21.5	22.0	22.2
· Joint Research Engagement Program	-	-	-	-	160.6	323.7	332.5	333.3	332.5	356.1
· Regional Protection Scheme	3.1	6.2	3.2	1.6	-	-	-	-	-	-
· Research Infrastructure Block Grants	199.9	203.9	206.0	210.2	214.6	218.5	224.5	224.6	223.6	239.4
· Research Training Scheme	562.6	573.9	585.4	591.5	603.9	615.1	631.8	656.1	671.8	676.7
· Sustainable Research Excellence in Universities	-	-	-	-	30.0	121.0	165.2	139.2	169.5	185.4
· Systemic Infrastructure Initiative	48.7	29.7	-	-	-	-	-	-	-	-
- Collaborative Research Infrastructure Scheme	-	-	-	-	-	-	-	-	-	-
- Atlas of Living Australia	-	-	-	-	-	-	-	0.9	1.9	-
- Astronomy National Research Infrastructure	-	-	-	-	-	-	-	1.2	2.3	-
- Australian Microscopy and Microanalysis Research Facility	-	-	-	-	-	-	-	1.7	3.4	-
- Australian National Data Service	-	-	-	-	-	-	-	1.0	2.0	-
- Australian National Fabrication Facility	-	-	-	-	-	-	-	2.4	4.9	-

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
- Australian Phenomics Network	-	-	-	-	-	-	-	1.6	3.1	-
- Australian Plant Phenomics Facility	-	-	-	-	-	-	-	1.1	2.2	-
- Emerging Biomolecular Platforms and Informatics	-	-	-	-	-	-	-	1.5	3.0	-
- Groundwater Infrastructure Research Operational Support	-	-	-	-	-	-	-	0.2	0.3	-
- Heavy Ion Accelerators	-	-	-	-	-	-	-	0.8	1.5	-
- Integrated Marine Observing System	-	-	-	-	-	-	-	2.4	4.8	-
- National Imaging Facility	-	-	-	-	-	-	-	1.4	2.9	-
- National Sea Simulator	-	-	-	-	-	-	-	0.5	1.0	-
- Population Health Research Network	-	-	-	-	-	-	-	1.0	2.1	-
- Structure and Evolution of the Australian Continent	-	-	-	-	-	-	-	1.3	2.7	-
- Terrestrial Ecosystems Research Network	-	-	-	-	-	-	-	1.0	2.0	-
Giant Magellan Telescope	-	-	-	-	24.6	19.4	15.1	14.9	7.5	21.9
Learned Academies Supplementation funding	-	-	-	1.0	1.0	1.0	1.0	1.0	-	-
National Institutes Program - ANU Component	160.7	166.6	167.7	167.5	171.1	174.2	178.2	184.4	188.8	191.3
Employment										
ARC Linkage Grant: A study of flexibilities that enable workforce participation and skill development and use and their implications for work-life outcomes in Australia	-	-	-	-	-	-	0.1	0.1	0.1	-
Environment										
Australian Biological Resources Study	3.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Australian Climate Change Science program	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	6.1	-
Bilateral Climate Change Partnerships program	0.1	1.1	1.2	6.5	-	-	-	-	-	-
Carbon Farming Futures - Methodology Development	-	-	-	-	-	-	0.1	0.4	2.4	0.5
Emissions Measurement and Analysis	6.8	6.3	6.1	6.6	-	-	-	-	-	-
Great Barrier Reef Foundation - contribution	-	-	-	-	-	-	-	-	3.1	3.1
Greenhouse Gas Abatement program	13.3	17.7	7.9	1.5	-	-	-	-	-	-
Indigenous Carbon Farming Fund	-	-	-	-	-	-	-	0.6	-	0.4
Low Emissions Technology and Abatement	2.0	6.7	3.1	1.7	-	-	-	-	-	-

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Marine and Biodiversity Research	2.1	9.6	8.5	13.9	6.4	2.9	4.7	9.6	3.0	1.0
National Carbon Accounting System	-	-	2.5	3.2	-	-	-	-	-	-
National Carbon Accounting Toolbox	-	-	-	-	4.0	4.0	3.9	0.3	-	-
National Climate Change Adaptation Research Facility-support	-	-	-	-	-	-	-	-	-	2.8
National Environmental Research Program	2.9	15.5	23.0	25.4	24.4	20.0	19.0	20.0	20.5	-
National Environmental Science Programme	-	-	-	-	-	-	-	-	-	23.8
Natural Resource Management Planning for Climate Change	-	-	-	-	-	-	-	5.6	5.6	1.3
Office of Water Science	-	-	-	-	-	-	30.0	15.0	18.5	18.3
Reef Water Quality	-	-	-	1.0	0.1	3.4	3.0	2.5	1.5	-
Renewable Energy Commercialisation program	1.7	1.5	-	-	-	-	-	-	-	-
Renewable Energy Equity Fund	1.3	0.8	1.8	-	-	-	-	-	-	-
Urban Water Centres of Excellence program	-	-	-	4.0	9.0	8.0	8.0	10.0	1.0	-
Bush Blitz Strategic Taxonomy Grants Scheme	-	-	-	-	-	0.9	1.7	-	-	-
Foreign Affairs and Trade										
ARC Linkage Grant - Protecting the Australian Passport	-	-	-	-	-	-	-	-	0.1	0.1
DFAT Aid Research and Development	15.7	23.2	43.2	63.5	73.5	110.3	108.7	181.6	-	-
Health										
Adult Stem Cell Research Centre	-	5.0	5.0	5.0	5.0	-	-	-	-	-
Anti-doping Research Program (ADRP)	0.5	0.6	1.2	1.3	0.8	0.7	0.7	0.8	1.0	-
Australian Longitudinal Study on Male Health	-	-	-	-	-	1.7	2.1	3.1	-	1.4
Australian Longitudinal Study on Women's Health	1.4	1.4	1.4	1.4	1.3	2.4	3.1	3.6	1.6	2.9
Australian National Preventive Health Agency Research Fund	-	-	-	-	-	-	4.7	7.1	4.9	1.3
Australian Sports Commission Research Programs	-	-	-	-	-	-	-	-	0.4	1.6
Bettering the Evaluation and Care of Health - BEACH	-	-	-	-	-	-	0.3	0.3	0.3	0.3

Table 4 - continued

Portfolio / Activity									Estimated	Budget
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Actual 2013-14	Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Cancer Clinical Trials	-	5.1	5.2	5.4	5.5	5.5	5.4	5.6	5.9	7.0
Cancer data to improve cancer care	-	-	-	-	0.4	0.3	0.4	0.4	0.6	0.6
Cancer Research	3.0	5.1	5.7	5.9	4.4	4.4	4.4	4.5	4.9	4.8
Chronic Disease Prevention and Service Improvement Fund	-	5.0	5.0	5.0	5.9	0.9	0.8	0.3	0.3	0.3
Cooperative Research Centre for Aboriginal and Torres Strait Islander Health	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	-
Disease Prevention and Health Promotion in Medicare Locals Programme	-	-	-	-	-	-	-	1.8	2.0	-
Drug and Alcohol Research	-	-	-	-	-	-	5.9	4.5	9.6	9.9
Health Surveillance Fund - Research Centres	8.2	8.2	8.5	8.8	9.0	9.2	9.3	9.5	9.5	9.6
Improving lung cancer outcomes	-	-	-	-	0.9	2.4	1.5	1.5	1.5	1.5
Indigenous Public Health Workforce Capacity Building Project, University of Melbourne (ONEMDA) and Deakin University										
Institute of Koori Education	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.3	-	-
Investing in Hearing Research	-	-	0.5	1.1	3.0	1.1	0.3	0.1	-	-
Jigsaw Foundation - Support for craniofacial surgery	-	-	-	-	-	1.3	1.3	1.3	1.3	-
Juvenile Diabetes Research Foundation - Australian Type 1										
Diabetes Clinical Research Network	-	-	-	-	-	5.0	-	-	-	-
Maintaining support for women with gynaecological cancers	-	-	-	-	-	-	-	-	1.2	-
Medical Research Infrastructure Projects	215.0	435.8	-	-	-	-	-	-	-	-
National Acoustic Laboratories	-	-	-	-	-	-	-	4.1	4.2	4.3
National Breast Cancer Foundation Cohort Study	-	-	-	0.5	0.6	0.5	0.5	0.5	-	-
National Cancer Plan - Boost Cancer Research	-	-	-	5.0	5.2	5.0	-	-	-	-
National Centre for Immunisation Research and Surveillance	0.3	0.3	0.3	0.7	0.7	0.8	0.8	0.8	0.8	0.8
NHMRC Research Grants	424.6	471.7	560.7	699.3	707.1	754.2	811.8	763.0	858.6	930.1
Palliative Care Clinical Studies Collaborative 2011-2014	-	2.6	2.8	2.3	2.2	2.4	2.2	2.5	2.3	-

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Pandemic Vaccine Accelerated Development	2.0	2.5	2.5	-	-	-	-	-	-	-
Primary Care Policy, Innovation and Research	14.6	14.2	16.4	14.6	16.5	14.4	14.7	0.1	0.1	-
Primary Health Care Research Evaluation and Development - Australian Primary Health Care Research Institute	-	-	-	-	-	-	7.4	11.1	10.3	6.8
Primary Health Care Research Evaluation and Development - Primary Health Care Research and Information Service	-	-	-	-	-	-	1.9	1.8	1.4	0.6
Research for Australian Dietary Guidelines	-	-	-	-	-	-	-	0.1	-	-
Review of the Australian Radiation Protection and Nuclear Safety Act 1998	-	-	-	-	-	-	0.2	-	-	-
Support for Diabetes Research	4.9	6.8	6.0	9.8	4.4	-	-	-	-	-
Three dedicated Prostate Cancer Research Centres (two centres funded from 2008-09 and a third from 2013-14)	-	-	-	3.0	2.0	1.0	5.0	4.0	3.8	4.6
Health and Hospitals Fund	-	-	-	46.0	24.3	99.7	194.0	37.6	28.7	-
Industry										
Advanced Electricity Storage Technologies	0.2	0.8	2.5	8.7	-	-	-	-	-	-
Australia-China Science and Research Fund	-	-	-	-	-	-	2.0	4.0	3.0	1.6
Australian National Stem Cell Centre	7.1	6.5	6.0	5.5	5.0	4.5	-	-	-	-
Australian Renewable Energy Agency	-	-	-	-	65.3	44.4	74.5	64.9	36.4	-
Australian Space Science Program	-	-	-	-	5.8	12.0	12.2	13.4	-	-
Australian Synchrotron Contribution	-	50.0	-	-	-	-	-	-	-	-
Automotive Competitiveness Investment Scheme	145.7	168.9	178.4	202.4	233.8	141.7	-	-	-	-
Automotive Transformation Scheme	-	-	-	-	-	107.3	197.2	170.2	206.1	178.0
Building Information Technology Strengths – Advanced Networks program	7.0	5.0	-	-	-	-	-	-	-	-
Building Information Technology Strengths – Incubators	10.6	5.0	3.5	-	-	-	-	-	-	-
Cairns Institute Tropical Innovation Hub - Contribution	-	-	-	-	-	15.0	4.5	-	-	-

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Commercialisation Australia	-	-	-	-	2.3	23.5	51.0	63.5	65.8	40.9
Commercialising Emerging Technologies (COMET)	8.4	9.7	14.0	13.5	11.2	6.1	-	-	-	-
Commonwealth Serum Laboratories (CSL) - Commonwealth assistance	-	-	-	-	-	9.3	10.6	8.0	2.1	-
Competitive Pre-Seed Fund	12.5	8.8	11.1	6.9	5.5	2.1	1.3	0.9	3.1	-
Cooperative Research Centres	208.1	189.3	211.9	182.3	178.9	172.6	165.5	155.6	144.1	149.7
Energy Innovation Fund	-	-	-	5.8	-	-	-	-	-	-
Enterprise Connect	-	-	0.2	0.3	1.0	1.1	1.1	1.7	1.5	1.5
Entrepreneurs' Infrastructure Programme	-	-	-	-	-	-	-	-	-	9.3
Establishment of an ICT-enabled Research Laboratory - Commonwealth Assistance	-	-	-	-	-	0.7	2.3	4.1	5.6	6.7
European Molecular Biology Laboratory Partner Facility	-	-	-	-	2.0	2.0	2.0	2.0	-	-
Global Carbon Capture and Storage Institute	-	-	-	82.3	100.0	100.0	25.0	35.0	-	-
Green Car Innovation Fund	-	-	-	-	108.1	62.9	125.4	47.4	6.0	0.2
Industry and Melbourne Institute Innovation Research Program	-	-	-	-	-	-	-	0.4	0.2	-
Industry Cooperative Innovation Program	1.9	3.7	4.5	5.2	4.2	1.4	-	-	-	-
Information Technology Online (ITOL)	2.2	1.3	-	-	-	-	-	-	-	-
Innovation Investment Fund including Innovation Investment Follow-on Fund	14.7	12.3	12.1	8.1	121.8	23.2	16.9	23.0	35.0	60.1
Intermediary Access Program (Pilot)	-	1.0	3.0	-	-	-	-	-	-	-
International Education and Training (Australia-India Strategic Research Fund)	-	-	2.1	6.9	5.6	7.4	7.5	12.2	9.3	6.4
International Science Linkages	10.2	11.1	11.4	11.7	10.1	12.3	-	-	-	-
Low Emissions Technology Demonstration Fund	1.5	1.3	1.0	-	-	-	-	-	20.0	-
Motor Vehicle Producer R&D Scheme	6.7	12.0	15.0	15.9	12.7	22.5	-	-	-	-
National Enabling Technologies Strategy	-	-	-	-	0.9	0.4	0.4	0.4	-	-
National Low Emissions Coal Initiative	-	-	14.0	8.7	32.3	47.6	25.6	22.7	44.1	35.0

Table 4 - continued

Portfolio / Activity									Estimated	Budget
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Actual 2013-14	Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Otway Basin Pilot Project	-	-	2.4	-	0.6	-	-	-	-	-
Pharmaceutical Partnerships Program	12.4	21.6	26.9	25.3	-	-	-	-	-	-
R&D Start Loans Program	1.5	-	-	-	-	-	-	-	-	-
Renewable Energy Fund	-	-	-	4.9	-	-	-	-	-	-
Small-Scale Mammalian Cell Production Facility	-	-	-	-	1.0	1.0	4.0	4.0	-	-
Square Kilometre Array Radio Telescope	-	-	-	-	-	-	1.6	1.5	8.4	7.6
Wind Forecasting Capability	4.5	4.0	3.2	1.3	-	-	-	-	-	-
Inspiring Australia - Higher Education Research Promotion (HERP) component	-	-	-	-	-	-	0.5	0.5	0.5	-
Industry R&D Tax Measures										
· Premium Tax Concession for Additional R&D (175%)	225.0	290.0	330.0	500.0	430.0	440.0	120.0	50.0	-	-
· R&D Tax Concession - Interim Transition Measure	-	-	-	-	55.0	55.0	-	-	-	-
· R&D Tax Concession (125%)	430.0	480.0	700.0	980.0	980.0	1120.0	500.0	170.0	30.0	-
· R&D Refundable Tax Offset	242.0	235.0	206.0	269.0	310.0	300.0	-200.0	-135.0	-85.0	-50.0
· R&D Tax Incentives - Refundable	-	-	-	-	-	-	1539.0	1483.0	1941.0	1570.0
· R&D Tax Incentives - Non Refundable	-	-	-	-	-	-	690.0	1000.0	840.0	910.0
Venture Capital Tax Measures										
· Early Stage Venture Capital Limited Partnerships (ESVCLP)	-	-	-	-	-	-	-	-	-	-
· Pooled Development Funds	9.0	11.0	10.0	5.0	5.0	40.0	-	-	-	-
· Venture Capital Limited Partnerships (VCLP)	-	-	-	-	-	-	-	-	-	-
Infrastructure and Regional Development										
Air Cargo X-ray Trials	-	4.9	3.8	-	-	-	-	-	-	-
ANCAP-Vehicle Testing/Stars on Cars	-	-	-	-	0.6	1.1	1.1	1.1	0.6	1.1
Funding to Transport Certification Australia - Heavy vehicle telematics and the Intelligent Access Project	-	-	-	-	1.0	1.0	0.7	0.5	0.3	0.5
International Study on the Effectiveness of Reversing cameras	-	-	-	-	-	-	-	0.1	-	0.1
Joint Liquids, Aerosols and Gels Trial	-	-	-	-	-	0.2	-	-	-	-
Liquids, Aerosols and Gels Screening Technology Trials	-	-	0.9	3.5	-	-	-	-	-	-
Low Volume Roads Research	-	-	1.6	0.6	0.3	0.1	-	-	-	-
Payments to Austroads/ARRB Transport Research Ltd.	2.2	2.2	2.8	2.7	3.1	3.2	3.3	3.4	3.0	3.1
Teledyne - Stand-Off Body Scanner project	-	-	-	-	-	0.1	-	-	-	-

Table 4 - continued

[illegible]

Table 4 - continued

Portfolio / Activity	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Gambling Research Australia	-	-	-	-	0.3	0.3	0.3	0.6	-	-
Household, Income and Labour Dynamics in Australia (HILDA) Survey	-	-	-	-	-	9.3	9.3	9.3	10.5	10.1
Independent research and evaluation of key assumptions around the impact of problem and recreational gamblers	-	-	-	-	-	-	0.0	-	-	-
Independent study on impacts of problem gambling	-	-	-	-	-	-	0.2	-	-	-
Longitudinal study - Journey's Home	-	-	-	-	-	1.6	1.7	2.5	2.7	0.1
Longitudinal Study of Indigenous Children (LSIC)	5.9	0.8	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.3
Longitudinal Survey of Australian Children (LSAC)	-	-	-	-	-	-	7.8	7.8	8.8	8.5
National Disability Research and Development Agenda	-	-	-	-	-	-	-	1.0	0.9	2.5
National Survey on Community Attitudes to Violence Against Women (VicHealth)	-	-	-	-	-	-	1.5	1.7	-	-
Research projects under the Social Policy Research Investment Strategy (SPRIS)	-	-	-	-	-	-	0.3	0.0	-	-
Research under the National Framework for Protecting Australia's Children 2009-2020	-	-	-	-	-	-	-	-	0.1	-
Veterans' Affairs										
Department of Veterans' Affairs Applied Research Program	-	-	-	-	1.4	2.0	1.7	1.7	2.4	2.5
Anzac Day at home and abroad: A centenary history of Australia's National Day	-	-	-	-	-	0.1	0.1	0.1	0.1	-
Australian Centre for Post-Traumatic Mental Health	-	-	-	-	1.4	1.4	1.4	1.4	1.2	1.3
Centre for Military and Veterans' Health	1.0	1.0	1.0	1.1	0.5	1.7	0.9	0.9	0.6	-
Veteran Health Research	-	-	-	-	-	-	-	-	-	1.3
Total	4,666.3	5,104.7	5,079.1	5,896.3	6,686.4	7,223.8	8,034.8	7,746.2	7,716.1	7,348.3

Table 5. Industry contributions - rural research levies

Sector ²	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	Estimated Actual 2013-14	Budget Estimate 2014-15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Fish	5.7	5.7	0.8	0.2	0.8	0.9	0.9	0.9	0.9	0.9
Grains										
Wheat	41.5	27.6	40.4	31.1	45.2	64.0	64.2	62.7	65.2	64.6
Other Grains	25.9	23.2	36.4	30.8	30.2	22.2	46.6	55.5	49.8	40.1
Horticulture	26.5	16.8	18.8	18.7	21.4	21.6	21.1	23.7	22.9	24.0
Meat	21.8	22.1	30.6	34.8	35.5	35.2	36.0	35.5	35.9	36.3
Wool	42.0	46.5	45.1	41.7	35.3	47.0	52.0	43.7	46.0	45.0
Other Rural Research										
Chicken Meat	1.1	1.4	1.0	1.1	1.5	1.5	1.5	1.1	1.1	1.2
Cotton	4.1	4.2	2.0	2.2	3.4	4.6	10.3	11.8	10.3	8.6
Dairying	31.0	31.0	28.0	27.3	28.3	30.2	30.9	31.3	32.5	32.9
Egg Industry	4.4	4.1	0.8	0.9	1.1	1.7	2.0	1.8	1.8	1.8
Forestry	3.8	3.6	4.6	5.2	5.1	5.2	5.2	4.5	5.0	5.1
Grape and Wine	7.9	13.2	9.9	12.5	12.1	11.2	11.2	11.7	12.4	16.6
Honey	0.2	0.5	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Pig Industry	13.5	12.1	3.2	4.0	3.7	4.6	4.7	4.7	4.8	4.7
Sugar	5.5	5.1	4.8	4.5	4.1	3.8	3.9	4.3	20.7	22.4
Rural Industries R&D Corporation	3.0	4.9	0.8	0.4	1.8	2.4	4.3	4.6	5.3	4.0
Total	237.9	222.0	227.4	215.8	230.0	256.5	295.2	298.0	314.9	308.6

Table 6. Australian Government support for science, research and innovation by socio-economic objective

Socio-Economic Objective (SEO)	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	2012-13 \$m	Estimated Actual	Budget Estimate	% of
									2013-14 \$m	2014-15 \$m	2014-15 expenditure
01. Exploration and exploitation of the Earth	354.8	381.8	419.9	451.7	561.6	525.5	568.1	608.7	512.3	537.2	5.8
02. Environment	116.7	152.6	183.3	197.3	308.8	310.3	313.7	369.3	364.2	330.1	3.6
03. Exploration and exploitation of space	-	-	-	1.3	64.7	58.9	38.0	73.6	20.0	37.8	0.4
04. Transport, telecommunication and other infrastructures	134.8	131.0	134.1	154.1	191.1	332.9	462.8	405.5	462.7	440.6	4.8
05. Energy	199.1	224.0	277.0	445.0	530.9	564.8	633.7	618.7	614.8	455.4	5.0
06. Industrial production and technology	1470.7	1558.7	1759.3	1955.9	2187.7	2106.4	2268.7	1998.7	1977.4	1778.9	19.4
07. Health	829.1	1130.8	851.6	1055.3	1045.6	1259.7	1369.4	1204.2	1258.9	1320.6	14.4
08. Agriculture	437.1	446.7	465.8	478.5	491.6	498.8	552.0	577.7	643.2	629.9	6.9
09. Education	16.6	17.7	19.8	24.8	24.6	34.6	31.1	51.0	26.3	26.6	0.3
10. Culture, recreation, religion and mass media	89.1	112.5	133.0	174.0	190.0	100.4	117.4	111.7	108.6	98.3	1.1
11. Political and social systems, structures and processes	143.7	149.0	177.0	229.9	264.3	400.9	496.3	593.5	554.9	506.6	5.5
12. General advancement of knowledge: R&D financed from General University Funds (GUF)	1383.3	1400.4	1391.7	1408.4	1514.0	1661.4	1774.6	1807.5	1874.5	1947.3	21.2
13. General advancement of knowledge: R&D financed from other sources	521.3	460.5	451.5	483.9	518.5	627.8	657.5	671.5	686.1	633.0	6.9
14. Defence	387.1	447.4	454.4	453.1	490.3	487.3	521.8	486.4	473.6	449.1	4.9
Total	6,083.4	6,612.8	6,718.5	7,513.2	8,383.6	8,969.8	9,805.1	9,578.1	9,577.5	9,191.5	100.0

Notes

The Science, Research and Innovation (SRI) Budget Tables provide an overview of support for science, research and innovation activities by the Australian Government over a 10 year period. The tables have been produced annually since 1979-80.

The tables report expenditure on research and development (R&D) and conform as closely as possible with the standards for reporting government budget appropriations and outlays on R&D set out in the Frascati Manual (2002, OECD).

The financial data reported within the tables has been supplied by the departments and agencies responsible for administering the listed activities. Estimates recorded in previous editions of these tables have been adjusted by departments and agencies as data has become available on actual expenditure and the R&D content of activities.

The tables are made publicly available in PDF and Excel spreadsheet formats from the Department of Industry website. Within this (the 2014-15) edition the PDF version includes:

Table 1. Summary of Australian Government support for science, research and innovation by sector

Table 2. Australian Government support for science, research and innovation by government portfolio

Table 3. Australian Government research activities

Table 4. R&D granting programs and other support for science, research and innovation

Table 5. Industry contributions - rural research levies

Table 6. Australian Government support for science, research and innovation by socio-economic objective

For the 2014-15 edition of the tables, the spreadsheet and PDF versions have been revised so that they now complement each other, rather than being duplicates as was previously the case. The PDF version no longer contains explanatory notes on activities, a sector classification reference column, or separate tables for expenditures through Budget and Special appropriations. This information is now found in the MasterTable of the spreadsheet version, which has been redesigned to enable users to take better advantage of the capabilities of the spreadsheet format.

We welcome your input on how future editions of the tables might be improved. Please send any comments or suggestions to:

SRIBudgetTables@industry.gov.au

Footnotes

1 (from Table 1) The terms 'Intramural' and 'Extramural' are defined on page 23

2 (from Table 5) The R&D expenditures for wool, meat, other rural research, fish, horticulture and grains sectors exclude that component of Australian Government outlays funded from industry levies. Industry Contributions - Rural Research Levies (estimated proportion of levies attributable to research purposes - \$m) are presented in this table.

Notes on the MasterTable

The spreadsheet version of the SRI Budget Tables now includes a MasterTable, which contains the entire collection of reported activities. The MasterTable includes the following columns:

Column A - Portfolio/Activity

This column provides the name of each R&D activity or responsible government portfolio.

Columns B-K - Expenditure years

These columns report R&D expenditure in millions of dollars shown to one decimal place (although the underlying data is accurate to three decimal places). Expenditure may occur from both administered and departmental sources.

For the purposes of compiling the tables, R&D expenditure is defined as any expenditure upon activities that conform with the definition of R&D used within the OECD's Frascati Manual (2002). For the purposes of the Manual, R&D comprises "creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications". This covers basic research, applied research, experimental development and research by students at the PhD level. Chapter 2 of the Manual provides more detailed information on this topic.

Column L - Socio-economic objective

This column classifies each R&D activity according to its socio-economic objective (SEO). Where an activity is a research agency or major programme that reports multiple objectives, detail on these is provided within the **SEOTables** tab of the spreadsheet.

The SEOs accord with the OECD's Nomenclature for the Analysis and Comparison of Scientific programs and Budgets (NABS) 2007 for reporting Government Budget Appropriations or Outlays on R&D (GBAORD), and reflect the recommendations of the Frascati Manual.

Departments and agencies report the SEO that most appropriately describes the purpose of each activity. As there can sometimes be ambiguity about the purpose of an R&D activity as compared to its content, the following fictitious examples indicate how the appropriate SEOs are determined:

- In the case of a research project to develop fuel cells to provide power in remote forestry locations, where the research activities involved are concerned with energy but where the ultimate purpose of undertaking the project is to support agriculture, the project would be classified as 'SEO 08 - Agriculture'.
- In the case of an archaeological research project on a proposed mining site, where the research activities involved belong to the humanities but where the project has been undertaken to support mining activities, the project would be classified as 'SEO 01 – Exploration and exploitation of the Earth'.

Notes on the MasterTable (continued)

Column M - Sector classification

The sector classifications used within this edition of the tables are consistent with those used in previous editions, however some titles have been amended slightly to facilitate their identification within the spreadsheet. In addition, the NHMRC has been separated from Multisector (Health).

The overall sector classifications used are consistent with the nomenclature conventions recommended in the Frascati Manual.

The 'Multisector' classification includes R&D expenditure on activities that may be undertaken within a number of sectors.

Intramural expenditures are performed within a statistical unit or sector of the economy during a specific period, whatever the source of funds (Frascati Manual, 2002, OECD). For the purposes of these tables, intramural expenditure is expenditure on R&D performed within the Government sector.

Extramural expenditures are sums that a unit, organisation or sector reports having paid or committed to pay to another unit, organisation or sector for the performance of R&D during a specific period. This includes acquisition of R&D performed by other units and grants given to others for performing R&D (Frascati Manual, 2002, OECD). All sub-sectors besides those belonging to Australian Government research are extramural.

Column N - notes on programs

Notes concerning individual activities are placed in the same row as the activity that they refer to. Notes are most usually added where:

- An activity has changed its name
- One activity has replaced another - differently named but similarly focused - activity
- A new activity consolidates several previous activities
- Only a subset of expenditure is for R&D
- Expenditure figures from past years have been revised
- Responsibility for funding an activity has been transferred from one organisation to another
- Additional information is available that helps to clarify the nature of the activity.

Column O - Appropriation type

Budget appropriations refer to funding appropriated annually, in particular, through Appropriation Act No.1 and No.2 of a given financial year (although additional funding is also appropriated through Appropriation Acts No.3 and No.4). Special appropriations refer to funding appropriated through provisions in other legislation such as the Higher Education Support Act (2003), the Income Tax Assessment Act (1936), the Industry Research and Development Act (1986) and the Nation-building Funds Act (2008).

Columns P and Q - Portfolio and Order

To assist the ordering and reordering of the MasterTable, two new columns have been added:

- a Portfolio column (at Column P), which shows the portfolio that each activity belongs to;
- an Order column (at Column Q), which provides a stable number for each row of the MasterTable.