



# The Australian Government's 2013-14 Science, Research and Innovation Budget Tables

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## Background and Explanatory Notes

(1) The Science, Research and Innovation Budget Tables provide an overview of whole-of-government support for science, research and innovation by the Australian Government over a 10 year period.

(2) The current tables generally retain the format used in earlier years, thus providing continuity and comparability with earlier budget tables. The groupings in Table 1 are classified according to sectors of the economy. This is consistent with the nomenclature conventions recommended in the Frascati Manual (2002, OECD).

(3) The tables also conform as closely as possible with the standards for reporting government budget appropriations and outlays on research and development (R&D) as recommended in the Frascati Manual (2002, OECD). Accordingly, extramural expenditures report only current costs and capital expenditures. It is important to note that the expenditure categories reflect the funder's perspective, which are then aggregated according to the sectors of performance.

(4) The support for science, research and innovation programs, administered on behalf of the Australian Government, may be provided either through annual appropriations (see Table 3) or through special appropriations (see Table 4). All expenditures reported in these tables have been recorded in accordance with the principles of accrual accounting.

(5) Table 1 summarises the total Australian Government support by sector of performance. Tables 2, 3 and 4 provide a detailed disaggregation of the total expenditure identified in Table 1 by program, which can be identified by the reference numbers. Table 5 identifies the allocation of science, research and innovation support by socio-economic objective. To assist with the use of the tables, definitions are provided below for key terms that are used in these tables.

(6) The financial data have been supplied by the departments and agencies responsible for administering the programs listed in the tables. Previous estimates are adjusted by departments and agencies as data becomes available on actual expenditure and R&D content of programs.

## Definitions

**Budget and Special Appropriations.** Budget appropriations refer to funding appropriated annually, in particular, under *Appropriation Act No.1* and *No.2* of a given financial year (additional funding is appropriated under *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)*.

**Intramural Expenditure.** Intramural expenditures are all expenditures for R&D 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 Expenditure.** 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).

**Table 1. Summary of Australian Government Support for Science, Research and Innovation through the Budget and Other Appropriations - Actual Cost in Year Incurred <sup>a,b</sup>**

	Ref. no. <sup>c</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated Actual 2012-13 \$m	Budget Estimate 2013-14 \$m
<b>Intramural Expenditure on Science, Research and Innovation <sup>d</sup></b>											
<b>Australian Government Research Activities</b>											
· CSIRO	1	577.1	593.9	610.1	663.1	675.8	714.8	730.3	724.9	733.8	757.1
· Defence Science and Technology Organisation	2	315.4	351.1	408.1	406.0	379.5	407.6	421.7	450.9	441.3	427.1
· Other R&D Activities	3	485.3	467.4	485.3	565.4	556.0	565.1	582.9	578.2	655.5	640.4
<i>Sub-total</i>		<i>1,377.8</i>	<i>1,412.4</i>	<i>1,503.5</i>	<i>1,634.6</i>	<i>1,611.3</i>	<i>1,687.5</i>	<i>1,734.9</i>	<i>1,754.0</i>	<i>1,830.6</i>	<i>1,824.6</i>
<b>Extramural Expenditure on Science, Research and Innovation <sup>d</sup></b>											
<b>Business Enterprise Sector</b>											
· Industry R&D Tax Measures <sup>e</sup>	4	729.0	897.0	1,005.0	1,236.0	1,619.0	1,655.0	1,585.0	2,011.9	2,004.6	1,680.4
· Other R&D Support	5	175.0	191.1	212.2	234.0	179.3	64.5	43.8	16.6	13.7	4.4
· Other Innovation Support	6	214.9	232.5	245.2	255.7	266.9	534.2	432.8	411.6	430.3	432.4
<i>Sub-total</i>		<i>1,118.9</i>	<i>1,320.6</i>	<i>1,462.4</i>	<i>1,725.7</i>	<i>2,065.2</i>	<i>2,253.7</i>	<i>2,061.6</i>	<i>2,440.1</i>	<i>2,448.6</i>	<i>2,117.2</i>
<b>Higher Education Sector</b>											
· Australian Research Council	7	480.9	544.4	570.3	571.8	585.9	652.8	708.7	808.8	879.1	884.0
· Performance Based Block Funding	8	1,333.0	1,383.3	1,400.4	1,391.7	1,408.4	1,514.0	1,661.4	1,774.6	1,807.5	1,889.3
· Other R&D Support	9	8.2	139.8	9.6	12.1	15.7	205.1	226.7	176.3	84.3	81.9
<i>Sub-total</i>		<i>1,822.0</i>	<i>2,067.4</i>	<i>1,980.3</i>	<i>1,975.6</i>	<i>2,010.0</i>	<i>2,371.9</i>	<i>2,596.9</i>	<i>2,759.7</i>	<i>2,770.9</i>	<i>2,855.2</i>
<b>Multisector <sup>f</sup></b>											
· National Health and Medical Research Council and Other Health	10	380.6	674.9	962.5	618.4	812.4	797.3	910.4	1,085.2	873.1	945.3
· Cooperative Research Centres	11	194.5	208.1	189.3	211.9	182.3	178.9	172.6	165.5	155.6	144.1
· Rural	12	229.5	237.2	241.6	244.5	248.9	232.6	222.4	274.4	267.0	340.5
· Energy and the Environment	13	43.7	47.1	74.0	83.4	185.7	262.9	252.0	242.3	205.4	206.7
· Other Science Support	14	71.7	93.8	172.8	175.3	197.6	401.6	579.8	392.9	422.5	210.7
<i>Sub-total</i>		<i>920.0</i>	<i>1,261.1</i>	<i>1,640.2</i>	<i>1,333.5</i>	<i>1,626.9</i>	<i>1,873.3</i>	<i>2,137.3</i>	<i>2,160.4</i>	<i>1,923.7</i>	<i>1,847.4</i>
<b>Total Australian Government Support</b>		<b>5,238.7</b>	<b>6,061.5</b>	<b>6,586.3</b>	<b>6,669.4</b>	<b>7,313.4</b>	<b>8,186.5</b>	<b>8,530.7</b>	<b>9,114.2</b>	<b>8,973.7</b>	<b>8,644.4</b>

- Notes:**
- The financial data presented in this table are an aggregate of the expenditure data sourced from Tables 2, 3 and 4.
  - A breakdown of the total expenditure by portfolio is summarised in the table below. Tax measures are included in the relevant policy portfolio rather than Treasury.
  - Reference numbers in Column 2 identify their respective disaggregated source data in Tables 2, 3 and 4.
  - A definition of the expenditure categories is provided on page 1.
  - The amounts indicated for Industry R&D Tax Measures are estimates only.
  - 'Multisector' includes programs that may be accessed by several sectors, including Australian Government agencies.

**Table 1 (page 2)**

<b>Portfolio Summary</b>										
<b>Portfolio</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Estimated Actual 2012-13</b>	<b>Budget Estimate 2013-14</b>
	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>
<b>Agriculture, Fisheries and Forestry</b>	247.4	259.1	260.5	261.4	260.6	252.5	240.2	282.1	268.4	342.1
<b>Attorney-General</b>	3.8	3.6	4.6	5.1	5.0	4.7	5.1	6.2	3.6	4.3
<b>Broadband, Communications and the Digital Economy</b>	17.2	23.5	24.0	26.8	27.3	25.4	25.9	25.0	23.8	22.6
<b>Defence</b>	316.7	352.4	409.4	409.5	391.7	424.7	441.3	472.5	451.9	439.7
<b>Families, Housing, Community Services and Indigenous Affairs</b>	0.0	0.0	0.0	0.1	0.4	0.3	15.6	29.8	27.4	25.8
<b>Foreign Affairs and Trade</b>	42.8	46.4	51.3	56.8	56.1	72.8	88.3	97.5	109.3	118.6
<b>Health and Ageing</b>	380.6	674.9	962.5	620.5	816.7	799.3	912.4	1,087.2	875.0	947.3
<b>Human Services</b>	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.2	2.0	2.0
<b>Industry, Innovation, Climate Change, Science, Research and Tertiary Education</b>	3,981.4	4,433.0	4,546.1	4,923.8	5,301.2	6,068.3	6,299.5	6,629.5	6,757.0	6,322.1
<b>Infrastructure and Transport</b>	1.9	2.2	7.1	9.1	6.8	7.6	6.4	5.1	6.5	5.6
<b>Regional Australia, Local Government, Arts and Sport</b>	0.8	1.0	1.0	1.6	1.6	3.3	3.7	3.7	4.7	4.7
<b>Resources, Energy and Tourism</b>	102.6	113.6	131.5	168.2	250.7	328.7	308.2	254.2	235.1	233.2
<b>Sustainability, Environment, Water, Population and Communities</b>	143.5	151.8	188.4	186.5	195.2	196.8	182.1	219.2	209.2	176.5
<b>Total</b>	<b>5,238.7</b>	<b>6,061.5</b>	<b>6,586.3</b>	<b>6,669.4</b>	<b>7,313.4</b>	<b>8,186.5</b>	<b>8,530.7</b>	<b>9,114.2</b>	<b>8,973.7</b>	<b>8,644.4</b>

**Table 2. Australian Government Research Activities - Budget Expenditures <sup>a</sup>**

Portfolio / Activity	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
<b>Attorney-General</b>											
Australian Institute of Criminology Research Program	3	3.2	3.0	4.0	4.5	4.5	4.2	4.5	4.2	3.0	2.5
<b>Defence</b>											
Defence Science and Technology Organisation <sup>b</sup>	2	315.4	351.1	408.1	406.0	379.5	407.6	421.7	450.9	441.3	427.1
<b>Foreign Affairs and Trade</b>											
Australian Centre for International Agricultural Research	3	42.8	46.4	51.3	56.8	56.1	72.8	88.3	97.5	109.3	118.6
<b>Health and Ageing</b>											
Australian Radiation Protection and Nuclear Safety Agency	3	0.0	0.0	0.0	2.1	4.3	2.0	2.0	2.0	1.9	1.9
<b>Industry, Innovation, Climate Change, Science, Research and Tertiary Education</b>											
Australian Institute of Aboriginal and Torres Strait Islander Studies	3	1.9	1.9	1.8	1.8	2.1	2.0	2.4	2.1	2.9	3.0
Australian Institute of Marine Science	3	22.5	23.1	24.5	26.6	27.6	30.4	30.9	31.2	31.5	33.3
Australian Nuclear Science and Technology Organisation <sup>c</sup>	3	196.4	158.5	141.6	185.7	174.7	155.2	179.7	165.1	229.1	191.8
CSIRO	1	577.1	593.9	610.1	663.1	675.8	714.8	730.3	724.9	733.8	757.1
<b>Resources, Energy and Tourism</b>											
Geoscience Australia	3	100.9	107.4	125.4	145.0	139.0	130.6	116.2	111.4	113.2	131.2
<b>Sustainability, Environment, Water, Population and Communities</b>											
Antarctic Division	3	86.5	94.6	99.6	105.5	104.6	116.9	101.6	103.1	101.8	101.6
Bureau of Meteorology Research Activities	3	11.0	11.7	12.8	12.6	19.9	22.6	27.8	31.0	32.4	27.5
Great Barrier Reef Marine Park Authority	3	4.0	4.9	4.8	4.8	3.4	3.0	2.6	2.8	1.9	1.9
Supervising Scientist Division <sup>d</sup>	3	7.8	7.5	11.1	11.2	11.0	12.4	12.9	13.8	14.0	13.9
<b>Total</b>		<b>1,369.5</b>	<b>1,404.1</b>	<b>1,495.1</b>	<b>1,625.8</b>	<b>1,602.6</b>	<b>1,674.5</b>	<b>1,720.9</b>	<b>1,740.1</b>	<b>1,816.1</b>	<b>1,811.5</b>

**Notes:**

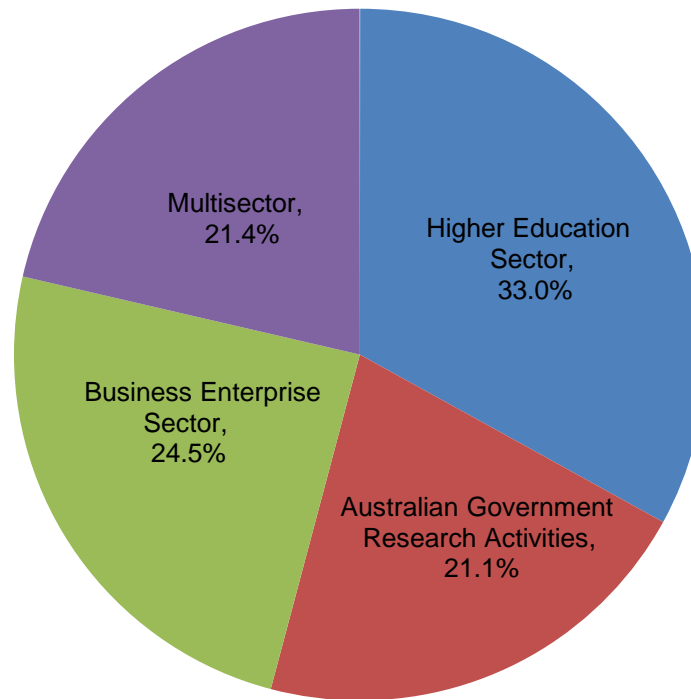
a. The financial data have been supplied and confirmed by the departments and agencies responsible for administering the programs listed in the Table. Reference numbers in Column 2 reconcile agency expenditures with their respective sector aggregates in Table 1.

b. DSTO expenditures shown here are for direct expenses on the research program and exclude costs associated with overheads and administrative support provided by other Defence Groups. DSTO expenditures also include expenses on national security R&D programs which were previously reported by the Department of the Prime Minister and Cabinet.

c. The fluctuations in the years 2007-08 onwards are timing issues relating to several large equity projects and two special purpose expense areas: disposition of spent fuel and ANSTO's decommissioning program.

d. Formerly referred to as the Environmental Research Institute of the Supervising Scientist. From 2006-07, total divisional expenses have been assessed as supporting research and innovation.

**Figure 1. Percentage breakdown of Australian Government support for Science, Research and Innovation by sector of performance in 2013-14**



The support from the Australian Government for Science, Research and Innovation by sector of performance in 2013-14 shows that the recipient of the highest proportion of support was the Higher Education Sector (33.0%), followed by the Business Enterprise Sector (24.5%), Multisector research activities (21.4%), and the Government Sector (21.1%).

**Table 3. R&D Granting Programs and Other Support for Science, Research and Innovation through the Budget <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										2012-13 \$m	Actual 2013-14 \$m
<b>Agriculture, Fisheries and Forestry</b>											
Carbon Farming Futures - Action on the Ground	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	7.1	23.0
Carbon Farming Futures - Filling the Research Gap	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	8.1	51.9
Carbon Farming Futures - Extension and Outreach	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.3	16.5
Carbon Farming Initiative	12	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	2.2	1.2
Centres of Excellence - Biosecurity Risk Analysis and Research	14	0.4	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	6	3.4	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Animal Welfare, Biosecurity and Exotic Disease Preparedness Programs <sup>b</sup>	12	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.2	0.2	0.2
Climate Change Research Program	13	0.0	0.0	0.0	0.0	10.0	15.0	15.0	6.2	0.0	0.0
Fisheries Resources Research Fund	12	3.8	3.1	3.1	3.1	3.2	3.8	1.6	0.1	2.1	2.1
Food Innovation Grants - National Food Industry Strategy	6	10.8	15.4	13.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0
Forest Industry Climate Change Research Fund	5	0.0	0.0	0.0	0.0	0.0	3.5	1.3	0.0	0.0	0.0
Land and Water Research	12	12.5	12.5	12.8	13.0	13.0	6.7	0.0	0.0	0.0	0.0
National Weeds and Productivity Research Program	12	0.0	0.0	0.0	0.0	3.1	4.1	4.0	4.0	0.0	0.0
New Industries Development Program	6	3.5	2.6	2.0	2.3	0.2	0.0	0.0	0.0	0.0	0.0
Regional Food Producers/Seafood Industry Innovation and Productivity	12	0.0	0.0	0.0	0.0	0.0	3.0	5.1	0.4	0.0	0.0
Rural Industries R&D Corporation	12	14.6	14.9	14.9	13.4	13.3	14.0	13.1	15.1	14.2	14.5
<b>Attorney-General</b>											
Australian Institute of Criminology - Criminology Research Grant Program	9	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.4	0.5
Australian Institute of Criminology - National Drug and Law Enforcement Research Program	9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.7	0.2	1.3
<b>Broadband, Communications and the Digital Economy</b>											
ICT Centre of Excellence	14	17.2	23.5	24.0	26.8	27.3	25.4	25.9	25.0	23.8	22.6

Table 3 - Continued <sup>a</sup>

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
<b>Defence</b>											
Asia Pacific Civil Military Centre of Excellence Research and Lessons Learnt	14	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.9	1.3	1.3
Defence Materiel Organisation - Capability Technology Demonstrator - Extension Program	14	0.0	0.0	0.0	2.2	10.9	10.4	10.1	10.4	0.0	0.0
Defence Materiel Organisation - Defence Industry Innovation Centre	14	0.0	0.0	0.0	0.0	0.0	2.8	3.2	4.4	3.5	5.2
Jet Fuel Exposure Syndrome Study	14	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	0.8
<b>Families, Housing, Community Services and</b>											
ARC Linkage Grants - FaHCSIA Cash Contributions	9	0.0	0.0	0.0	0.1	0.4	0.3	0.3	0.1	0.0	0.0
Longitudinal Surveys <sup>c</sup>	14	0.0	0.0	0.0	0.0	0.0	0.0	13.9	21.7	22.4	23.6
Social Policy Research Programs <sup>d</sup>	14	0.0	0.0	0.0	0.0	0.0	0.0	1.4	8.0	5.0	2.2
<b>Health and Ageing</b>											
Adult Stem Cell Research Centre	10	0.0	0.0	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0
Australian Longitudinal Study on Male Health	10	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.1	3.1	0.0
Australian National Preventive Health Agency Research Fund	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	7.1	4.9
Cancer Clinical Trials	10	0.0	0.0	5.1	5.2	5.4	5.5	5.5	5.4	5.6	5.9
Cancer Data	10	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.4	0.4	0.0
Cancer Research	10	0.0	3.0	5.1	5.7	5.9	4.4	4.4	4.4	4.5	4.7
Chronic Disease Prevention and Service Improvement Fund <sup>e</sup>	10	0.0	0.0	5.0	5.0	5.0	5.9	0.9	0.8	0.3	0.0
Cooperative Research Centre for Aboriginal and Torres Strait Islander Health	10	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
Health Sciences - Australian Longitudinal Study on Women's Health <sup>f</sup>	10	1.1	1.4	1.4	1.4	1.4	1.3	2.4	3.1	3.6	1.6
Improving Lung Cancer and Treatment Guidelines <sup>g</sup>	10	0.0	0.0	0.0	0.0	0.0	0.9	2.4	1.5	1.5	0.0
Indigenous Public Health Workforce Capacity Building Project, University of Melbourne (ONEMDA) and Deakin University Institute of Koori Education <sup>h</sup>	10	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.3	0.0

**Table 3 - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
Alcohol and Drugs Information and Awareness <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.6	3.4
Australian Drug and Alcohol services mapping and database creation <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Bettering the Evaluation and Care of Health Disease Prevention and Health Promotion in Medicare	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
Locals Program <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.0
Investing in Hearing Research	10	0.0	0.0	0.0	0.5	1.1	3.0	1.1	0.3	0.1	0.0
Jigsaw Foundation - Support for Craniofacial Surgery	10	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
Juvenile Diabetes Research Foundation - Australian Type 1 Diabetes Clinical Research Network	10	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
Medical Research Infrastructure Projects <sup>j</sup>	10	0.0	215.0	435.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Acoustic Laboratories	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.2
National Breast Cancer Foundation Cohort Study	10	0.0	0.0	0.0	0.0	0.5	0.6	0.5	0.5	0.5	0.0
National Cancer Plan - Boost Cancer Research	10	0.0	0.0	0.0	0.0	5.0	5.2	5.0	0.0	0.0	0.0
National Centre for Immunisation Research and Surveillance	10	0.2	0.3	0.3	0.3	0.7	0.7	0.8	0.8	0.8	0.8
National Drug and Alcohol Research Centres of Excellence, Substance Misuse Prevention and Service Improvement Grants Fund	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	4.5	4.2
National Illicit Drug Strategy Research	10	0.2	0.2	0.7	0.5	0.3	0.5	0.0	0.0	0.2	0.0
National Public Health Communicable Disease Control - Research Centres	10	0.0	8.2	8.2	8.5	8.8	9.0	9.2	9.3	9.5	9.7
NHMRC Research Grants	10	378.2	424.6	471.7	560.7	699.3	707.1	754.2	811.8	761.0	858.6
Palliative Care Clinical Studies Collaborative 2011 - 2014 <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.5	2.3
Pandemic Vaccine Accelerated Development	10	0.0	2.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Primary Care Policy, Innovation and Research	10	0.0	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	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	11.1	10.3
Primary Health Care Research Evaluation and Development - Primary Health Care Research and Information Service	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.8	1.4



Table 3 - Continued <sup>a</sup>

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
Research for Australian Dietary Guidelines <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Research for Change - Alcohol and Drug Prevention <sup>i</sup>	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
Review of the Australian Radiation Protection and Nuclear Safety Act 1998	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Support for Diabetes Research	10	0.2	4.9	6.8	6.0	9.8	4.4	0.0	0.0	0.0	0.0
The Palliative Care Clinical Studies Collaborative	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.5	0.5
Two Dedicated Prostate Cancer Research Centres	10	0.0	0.0	0.0	0.0	3.0	2.0	1.0	5.0	4.0	0.0
<b>Human Services</b>											
Human Services Delivery Research Alliance	3	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
Service Delivery Reform Research	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
<b>Industry, Innovation, Climate Change, Science,</b>											
Australia-China Science and Research Fund	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	3.0
Australian Astronomical Observatory	9	4.1	4.6	4.7	4.8	4.9	9.0	10.4	10.3	11.2	11.3
Australian Climate Change Science program	13	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	8.2
Australian National University Research Infrastructure Projects	9	0.0	125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Australian National Stem Cell Centre	5	5.8	7.1	6.5	6.0	5.5	5.0	4.5	0.0	0.0	0.0
Australian Space Science Program	14	0.0	0.0	0.0	0.0	0.0	5.8	12.0	12.2	13.4	0.0
Australian Synchrotron Contribution	14	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Automotive Competitiveness Investment Scheme	6	130.4	145.7	168.9	178.4	202.4	233.8	141.7	0.0	0.0	0.0
Automotive Transformation Scheme	6	0.0	0.0	0.0	0.0	0.0	0.0	107.3	197.2	229.7	236.4
Bilateral Climate Change Partnerships program <sup>k</sup>	6	0.2	0.1	1.1	1.2	6.5	0.0	0.0	0.0	0.0	0.0
Bond University - Grant for Clinical Education and Research Centre Building	9	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Bond University - Grant for Health Science and Medicine Building	9	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Building Information Technology Strengths – Advanced Networks Program	6	8.0	7.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Building Information Technology Strengths – Incubators	6	12.6	10.6	5.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0
Cairns Institute Tropical Innovation Hub - Contribution	9	0.0	0.0	0.0	0.0	0.0	0.0	15.0	4.5	0.0	0.0

**Table 3 - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
Carbon Farming Futures - Methodology Development	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.4
Clean Business Australia - Climate Ready Program	6	0.0	0.0	0.0	0.0	15.9	37.6	14.6	8.0	0.0	0.0
Clean Technology Innovation Program	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	60.7
Collaborative Research Network Program	9	0.0	0.0	0.0	0.0	0.0	0.0	8.7	30.4	20.7	10.4
Commercial Ready Program <sup>l</sup>	5	152.1	163.4	172.1	186.0	132.3	41.3	4.1	0.9	0.0	0.0
Commercialisation Australia <sup>m</sup>	6	0.0	0.0	0.0	0.0	0.0	2.3	23.5	51.0	63.5	65.8
Commercialising Emerging Technologies (COMET)	6	7.9	8.4	9.7	14.0	13.5	11.2	6.1	0.0	0.0	0.0
Commonwealth Serum Laboratories (CSL) - Commonwealth Assistance	5	0.0	0.0	0.0	0.0	0.0	0.0	9.3	10.6	8.0	2.1
Commonwealth Strategic Relationship with ANU · Australian National Institute for Public Policy	9	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.4	0.1	0.8
· The Australian Building the Centre on China in the World	9	0.0	0.0	0.0	0.0	0.0	0.0	10.1	5.4	2.7	0.0
· Building the National Security College	9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0
· Australian Centre on China in the World	9	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0
· National Security College	9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
· Sir Roland Wilson Foundation	9	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
Competitive Pre-Seed Fund <sup>m</sup>	6	6.7	12.5	8.8	11.1	6.9	5.5	2.1	1.3	4.1	0.0
Cooperative Research Centres (CRC)	11	194.5	208.1	189.3	211.9	182.3	178.9	172.6	165.5	155.6	144.1
Enterprise Connect	5	0.0	0.0	0.0	0.2	0.3	1.0	1.1	1.1	1.7	1.5
Enterprise Solution	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Establishment of an ICT-Enabled Research Laboratory - Commonwealth Assistance	6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.3	4.1	5.6
European Molecular Biology Laboratory Partner Facility	14	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0
Green Car Innovation Fund	6	0.0	0.0	0.0	0.0	0.0	108.1	62.9	125.4	47.4	6.0
Indigenous Carbon Farming Fund	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9

Table 3 - Continued <sup>a</sup>

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
Industry Cooperative Innovation Program	6	0.0	1.9	3.7	4.5	5.2	4.2	1.4	0.0	0.0	0.0
Information Technology Online (ITOL)	6	1.9	2.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Innovation Access Program – Industry (IAccP) <sup>l</sup>	5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Innovation Investment Fund including Innovation Investment Follow-on Fund <sup>m</sup>	6	19.6	14.7	12.3	12.1	8.1	121.8	23.2	16.9	60.8	39.1
Intermediary Access Program (Pilot)	6	0.0	0.0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
International Education and Training (Australia-India Strategic Research Fund)	14	0.0	0.0	0.0	2.1	6.9	5.6	7.4	7.5	12.2	9.3
International Science Linkages	14	9.3	10.2	11.1	11.4	11.7	10.1	12.3	0.0	0.0	0.0
Major National Research Facilities <sup>n</sup>	14	42.3	42.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Motor Vehicle Producer R&D Scheme	5	0.0	6.7	12.0	15.0	15.9	12.7	22.5	0.0	0.0	0.0
National Carbon Accounting System	6	0.0	0.0	0.0	2.5	3.2	0.0	0.0	0.0	0.0	0.0
National Carbon Accounting Toolbox	6	0.0	0.0	0.0	0.0	0.0	4.0	4.0	3.9	0.3	0.0
National Collaborative Research Infrastructure Strategy <sup>n</sup>	14	0.0	13.1	78.2	120.6	102.8	104.1	107.1	0.0	0.0	80.1
National Enabling Technologies Strategy	6	0.0	0.0	0.0	0.0	0.0	0.9	0.4	0.4	0.4	0.0
National Measurement Institute	3	8.0	8.0	8.0	8.5	8.5	9.0	9.5	9.5	9.5	8.0
Pharmaceutical Industry Investment Program	5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pharmaceutical Partnerships Program	5	4.2	12.4	21.6	26.9	25.3	0.0	0.0	0.0	0.0	0.0
Regional Natural Resource Management Planning for Climate Change (Stream 2)	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6
R&D Start Loans Program	5	10.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Shipbuilding Innovation Scheme	6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small-Scale Mammalian Cell Production Facility	5	0.0	0.0	0.0	0.0	0.0	1.0	1.0	4.0	4.0	0.0
Square Kilometre Array Radio Telescope	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.7
<b>Infrastructure and Transport</b>											
ABS Freight Data	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Air Cargo X-ray Trials	14	0.0	0.0	4.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0

**Table 3 - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
ANCAP-Vehicle Testing/Stars on Cars	14	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.1	1.1	1.1
COAG Road Reform Contribution	14	0.0	0.0	0.0	0.0	0.0	2.6	0.7	0.0	0.8	0.7
Funding to Transport Certification Australia - Heavy Vehicle Telematics and the Intelligent Access Project	14	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.7	0.5	0.3
International Study on the Effectiveness of Reversing cameras	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Joint Liquids, Aerosols and Gels Trial	14	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Liquids, Aerosols and Gels Screening Technology Trials	14	0.0	0.0	0.0	0.9	3.5	0.0	0.0	0.0	0.0	0.0
Low Volume Roads Research	14	0.0	0.0	0.0	1.6	0.6	0.3	0.1	0.0	0.0	0.0
Patronage Forecasting	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Payments to Austroads/ARRB Transport Research Ltd.	14	1.9	2.2	2.2	2.8	2.7	3.1	3.2	3.3	3.4	3.5
Teledyne - Stand-Off Body Scanner Project	14	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
University of Tasmania - Pre-Blast Explosive Analyser Project	14	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
<b>Regional Australia, Local Government, Arts and Sport</b>											
Anti-doping Research Program (ADRP)	14	0.6	0.5	0.6	1.2	1.3	0.8	0.7	0.7	0.8	1.0
ARC Linkage Grants - National Museum of Australian Contribution Payment	3	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
ARC Linkage Grant (through the University of Sydney) - Cultures of Coast and Sea: Maritime Environmental, Cultural and Ethnographic Histories of Northeast Australia	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Australia Council - Synapse Program	14	0.0	0.3	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1
Alcohol in Sport	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Australian Sport Commission Research Programs	3	0.0	0.0	0.0	0.0	0.0	1.8	2.2	2.1	2.8	2.8
Conservation and Preservation Program	14	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.4
Disability and Volunteers Segmentation	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Regional and Rural Development Grant	12	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regional and Rural Research and Development Grants	12	0.0	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.0	0.2
Regional and Rural Research and Information and Data Program	12	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Table 3 - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
<b>Resources, Energy and Tourism</b>											
Advanced Electricity Storage Technologies	13	0.0	0.2	0.8	2.5	8.7	0.0	0.0	0.0	0.0	0.0
Australian Renewable Energy Agency <sup>o</sup>	13	0.0	0.0	0.0	0.0	0.0	65.3	44.4	74.5	64.9	36.4
Energy Innovation Fund	13	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0
Global Carbon Capture and Storage Institute	13	0.0	0.0	0.0	0.0	82.3	100.0	100.0	25.0	35.0	0.0
Low Emissions Technology Demonstration Fund	13	0.8	1.5	1.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0
National Low Emissions Coal Initiative	13	0.0	0.0	0.0	14.0	8.7	32.3	47.6	43.3	22.1	65.6
Otway Basin Pilot Project	13	0.0	0.0	0.0	2.4	0.0	0.6	0.0	0.0	0.0	0.0
Renewable Energy Fund	13	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0
Wind Forecasting Capability	13	0.9	4.5	4.0	3.2	1.3	0.0	0.0	0.0	0.0	0.0
<b>Sustainability, Environment, Water, Population and</b>											
Australian Biological Resources Study	13	3.0	3.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Emissions Measurement and Analysis	13	7.7	6.8	6.3	6.1	6.6	0.0	0.0	0.0	0.0	0.0
Greenhouse Gas Abatement Program	13	15.4	13.3	17.7	7.9	1.5	0.0	0.0	0.0	0.0	0.0
Low Emissions Technology and Abatement	13	0.9	2.0	6.7	3.1	1.7	0.0	0.0	0.0	0.0	0.0
Marine and Biodiversity Research	13	1.8	2.1	9.6	8.5	13.9	6.4	2.9	4.7	9.6	3.3
National Environmental Research Program	13	0.0	2.9	15.5	23.0	25.4	24.4	20.0	19.0	20.0	20.5
Office of Water Science	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	15.0	0.0
Reef Resilience R&D Portfolio	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
Reef Water Quality	13	0.0	0.0	0.0	0.0	1.0	0.1	3.4	3.0	2.5	1.5
Renewable Energy Commercialisation Program	13	2.9	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewable Energy Equity Fund	13	0.4	1.3	0.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
Urban Water Centres of Excellence Program	13	0.0	0.0	0.0	0.0	4.0	9.0	8.0	8.0	10.0	1.0
<b>Veterans' Affairs</b>											
Australian War Memorial - Official Histories	3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2
<b>Total</b>		<b>1,115.4</b>	<b>1,612.3</b>	<b>1,889.6</b>	<b>1,612.7</b>	<b>1,795.1</b>	<b>2,040.1</b>	<b>1,999.2</b>	<b>1,924.3</b>	<b>1,802.6</b>	<b>1,939.8</b>

**Notes:**

- a. The financial information has been provided and confirmed by the Departments responsible for administering the programs listed in the table. Reference numbers in Column 2 reconcile program expenditures with their respective sector aggregates in Table 1. Departmental expenses attributable to the administration of programs are excluded from the data in accordance with the recommendations of the Frascati Manual (2002, OECD).
- b. The item includes expenditure from three programs. They are: The Australian Animal Welfare Strategy; Animal Biosecurity and Response Reform; Other Exotic Disease Preparedness Program.
- c. These figures show annual spending for longitudinal surveys from the time they were made ongoing budget measures. There has been previous funding to the surveys but the figures broken down by year are not currently available.
- d. There has been additional previous funding to the programs prior to 2011-12 but the figures broken down by year are not currently available.
- e. Commencing 2011-12, 159 existing health programs were consolidated into 18 new flexible funds, as a result the Priority Medical Research program has been consolidated into the Chronic Disease Prevention and Service Improvement Fund.
- f. The Australian Longitudinal Study on Women's Health was originally funded from within the Women's Health Program and then through existing resources of the health portfolio until 2003. From 2004-05, funding for the study was provided by a new measure called the Australian Longitudinal Study on Women's Health. The \$1.7m in 2003-04 includes \$0.8m from the Office for the Status of Women. In December 2010 an additional \$5.3 million over the next three years in funding was announced to support the Australian Longitudinal Study on Women's Health that will help continue to build the evidence base on women's health. The additional funding will enable a new younger cohort of women to be added to the study, providing valuable information on the changes and challenges to women's health over time across a broader range of age groups.
- g. This program was previously listed as Attacking Lung Cancer.
- h. This program was previously listed as University of Melbourne's ONEMDA Vic Health Koori Health Unit.
- i. In the 2011-12 Budget the Australian Government announced the consolidation of 159 whole or part Health and Ageing programs within eighteen flexible Funds. The flexible Funds were established on 1 July 2011 and the associated Fund Guidelines were approved in November 2011. Subsequently, six programs were transferred to the Department's portfolio agencies.
- j. Please note that from 2008-09, expenditure for this program is reported under the Health and Hospitals Fund, refer to Special Appropriations.
- k. This program has been amended to show the approximate proportion of the funding that was allocated to science and innovation related activity in 2008-09. There is no separate line item for science and innovation in the 2009-10 Budget.
- l. From 1 July 2004, funding for Biotechnology Innovation Fund, R&D Start Grants and part of the IAccP - Industry were combined with the new Commercial Ready funding to form a single program.
- m. Programs provide support for commercialisation activities, including proof of concept activities.
- n. The National Collaborative Research Infrastructure Strategy (NCRIS) Program is a successor to the Major National Research Facilities.
- o. In 2012 the Australian Centre for Renewable Energy was combined with the Australian Solar Institute to form, and continued under, the Australian Renewable Energy Agency.

**Table 4. R&D Granting Programs and Other Support for Science, Research and Innovation through  
Special Appropriations and Other Measures <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
<b>Agriculture, Fisheries and Forestry <sup>b</sup></b>											
Dairy Australia Limited	12	14.5	15.4	16.0	18.3	19.2	19.6	17.7	18.4	19.3	19.1
Fishing Industry Research	12	31.7	32.8	28.0	14.9	21.4	16.3	16.5	17.5	16.5	17.3
Grains	12	35.1	35.1	35.8	37.5	42.2	50.1	53.4	57.6	62.7	64.3
Horticulture Research	12	30.0	32.9	34.0	36.2	32.4	40.2	39.2	42.0	43.0	44.0
Meat Research	12	35.6	36.3	37.6	45.0	42.8	42.0	37.8	49.4	47.0	49.9
Other Rural Research	12	37.7	37.8	47.6	50.8	45.9	22.3	23.7	29.3	26.9	25.0
Wool Research	12	13.7	16.2	11.6	12.1	12.2	10.3	9.6	11.5	12.0	11.5
<b>Health and Ageing</b>											
Health and Hospitals Fund	10	0.0	0.0	0.0	0.0	46.0	24.3	99.7	194.0	37.6	28.7
<b>Industry, Innovation, Climate Change, Science,</b>											
Australian Research Council	7	480.9	544.4	570.3	571.8	585.9	652.8	708.7	808.8	879.1	884.0
Clean Energy Initiative	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	16.7	64.9
Education Investment Fund - Round 1											
· Institute of Photonics	9	0.0	0.0	0.0	0.0	0.2	18.6	9.8	0.1	0.1	0.0
· New Horizons - Monash University Project	9	0.0	0.0	0.0	0.0	0.4	8.0	11.5	58.0	11.8	0.2
Education Investment Fund - Round 2											
· Australian Institute for Innovative Materials	9	0.0	0.0	0.0	0.0	0.0	27.8	16.0	0.0	0.0	0.0
· Building the Sydney Institute of Marine Science	9	0.0	0.0	0.0	0.0	0.0	10.5	6.0	3.0	0.0	0.0
· Centre for Climate Change and Energy Research	9	0.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0
· Centre for Neural Engineering	9	0.0	0.0	0.0	0.0	0.0	3.9	10.2	3.4	0.0	0.0
· Institute for Marine and Antarctic Studies	9	0.0	0.0	0.0	0.0	0.0	45.0	0.0	0.0	0.0	0.0
· La Trobe Institute for Molecular Sciences	9	0.0	0.0	0.0	0.0	0.0	14.4	34.2	15.5	0.0	0.0
· National Centre for Synchrotron Science	9	0.0	0.0	0.0	0.0	0.0	18.0	15.8	3.0	0.0	0.0
· Smart State Medical Research Centre	14	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	0.0

**Table 4. - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual 2012-13 \$m	Estimate 2013-14 \$m
Education Investment Fund - Round 3											
· AuScope Australian Geophysical Observing System	14	0.0	0.0	0.0	0.0	0.0	0.0	7.3	6.8	5.3	3.6
· Australian Future Fibres Research and Innovation Centres	14	0.0	0.0	0.0	0.0	0.0	0.0	3.5	15.0	18.5	0.0
· Green Chemical Futures	14	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.3	15.6	8.3
· Indian Ocean Marine Research Centre	14	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.5	11.0	13.0
· National Imaging Facility	14	0.0	0.0	0.0	0.0	0.0	0.0	34.6	5.6	0.0	0.0
· The Australian Institute for Nanoscience	14	0.0	0.0	0.0	0.0	0.0	0.0	7.1	26.1	6.8	0.0
Education Investment Fund - Super Science											
· Super Science - Future Industries <sup>c</sup>	14	0.0	0.0	0.0	0.0	20.0	109.0	109.0	112.5	100.5	3.0
· Super Science - Marine and Climate <sup>d</sup>	14	0.0	0.0	0.0	0.0	8.0	71.0	116.0	64.4	97.6	0.0
· Super Science - Space Science and Astronomy	14	0.0	0.0	0.0	0.0	0.0	20.0	20.0	7.5	42.5	0.0
Education Investment Fund - Sustainability Round											
· Newcastle Institute for Energy and Resources	9	0.0	0.0	0.0	0.0	0.0	0.0	13.8	12.1	4.1	0.0
· Retrofitting for Resilient and Sustainable Buildings	9	0.0	0.0	0.0	0.0	0.0	0.0	10.1	15.0	0.0	0.0
· Sustainable Energy for SKA	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	11.6	11.5
Funding for Higher Education Research Promotion <sup>e</sup>	9	2.5	4.1	3.3	5.6	4.6	4.7	4.3	4.5	5.7	5.2
Funding for Research and Research Training Provided Under HESA (2003)											
· Australian Postgraduate Awards	8	91.2	93.1	94.1	96.6	101.4	151.1	183.0	218.9	248.4	266.3
· Commercialisation Training Scheme	8	0.0	0.4	5.5	5.5	5.5	5.6	5.7	2.9	0.0	0.0
· Institutional Grants Scheme	8	290.6	296.1	302.0	308.1	311.3	157.3	0.0	0.0	0.0	0.0
· International Postgraduate Research Scholarships	8	18.1	18.5	18.4	19.2	19.4	19.8	20.2	20.7	21.5	22.3
· Joint Research Engagement Program	8	0.0	0.0	0.0	0.0	0.0	160.6	323.7	332.5	333.3	336.0
· Regional Protection Scheme	8	3.0	3.1	6.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0



**Table 4. - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual	Estimate
										2012-13 \$m	2013-14 \$m
- Research Infrastructure Block Grants	8	183.0	199.9	203.9	206.0	210.2	214.6	218.5	224.5	224.6	225.9
- Research Training Scheme	8	552.2	562.6	573.9	585.4	591.5	603.9	615.1	631.8	656.1	678.7
- Sustainable Research Excellence in Universities	8	0.0	0.0	0.0	0.0	0.0	30.0	121.0	165.2	139.2	171.3
- Systemic Infrastructure Initiative <sup>f</sup>	8	39.9	48.7	29.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
- Collaborative Research Infrastructure Scheme											
- National Sea Simulator	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
- Atlas of Living Australia	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9
- Astronomy National Research Infrastructure	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3
Facility	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4
- Australian National Data Service	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
- Australian National Fabrication Facility	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
- Australian Phenomics Network	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.1
- Australian Plant Phenomics Facility	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
- Emerging Biomolecular Platforms and Informatics	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0
Support	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
- Heavy Ion Accelerators	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5
- Integrated Marine Observing System	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8
- National Imaging Facility	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
- Population Health Research Network	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1
- Structure and Evolution of the Australian Continent	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7
- Terrestrial Ecosystems Research Network	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
Giant Magellan Telescope	14	0.0	0.0	0.0	0.0	0.0	24.6	19.4	15.1	14.9	14.4
Inspiring Australia - Higher Education Research Promotion (HERP) Component	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
Learned Academies Supplementation Funding	9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0
National Institutes Program - ANU Component <sup>g</sup>	8	154.9	160.7	166.6	167.7	167.5	171.1	174.2	178.2	184.4	188.8

**Table 4. - Continued <sup>a</sup>**

Program	Ref. no. <sup>a</sup>	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m	2010-11 \$m	2011-12 \$m	Estimated	Budget
										Actual	Estimate
										2012-13 \$m	2013-14 \$m
Industry R&D Tax Measures <sup>h</sup>											
· Premium Tax Concession for Additional R&D (175%) <sup>i</sup>	4	130.0	225.0	290.0	330.0	460.0	400.0	370.0	100.0	40.0	0.0
· R&D Tax Concession - Interim Transition Measure	4	0.0	0.0	0.0	0.0	0.0	55.0	55.0	0.0	0.0	0.0
· R&D Tax Concession (125%)	4	370.0	430.0	480.0	700.0	890.0	890.0	860.0	230.0	90.0	0.0
· R&D Refundable Tax Offset <sup>j</sup>	4	229.0	242.0	235.0	206.0	269.0	310.0	300.0	-200.0	-135.0	-80.0
· R&D Tax Incentive - Refundable	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,081.9	1,209.6	1,210.4
· R&D Tax Incentive - Non Refundable	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	800.0	800.0	550.0
Venture Capital Tax Measures <sup>k</sup>											
· Early Stage Venture Capital Limited Partnerships (ESVCLP) <sup>j</sup>	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
· Pooled Development Funds (PDFs) <sup>m</sup>	6	7.0	9.0	11.0	10.0	5.0	5.0	45.0	5.0	10.0	10.0
· Venture Capital Limited Partnerships (VCLP) <sup>j</sup>	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sustainability, Environment, Water, Population and Communities</b>											
Bush Blitz Strategic Taxonomy Grants Scheme	13	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	0.0	0.0
National Oceans Office <sup>n</sup>	13	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Veterans' Affairs</b>											
Australian Centre for Post-Traumatic Mental Health	9	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.2
Centre for Military and Veterans' Health	9	1.0	1.0	1.0	1.0	1.1	0.5	1.7	0.9	1.3	1.4
Department of Veterans' Affairs Applied Research Program	9	0.0	0.0	0.0	0.0	0.0	1.4	2.0	1.7	1.7	2.5
Family Study Research	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2	0.0
<b>Total</b>		<b>2,753.8</b>	<b>3,045.2</b>	<b>3,201.6</b>	<b>3,430.9</b>	<b>3,915.7</b>	<b>4,471.9</b>	<b>4,810.7</b>	<b>5,449.8</b>	<b>5,355.0</b>	<b>4,893.1</b>

**Notes:**

- a. The financial information has been provided and confirmed by the Departments responsible for administering the programs listed in the table. Reference numbers in Column 2 reconcile program expenditures with their respective sector aggregates in Table 1. Departmental expenses attributable to the administration of programs are excluded from the data in accordance with the recommendations of the Frascati Manual (2002, OECD).
- b. 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 the table below.
- c. This includes funding for nuclear science facilities which are the responsibility of the Australian Nuclear Science Technology Organisation.
- d. This includes funding for tropical marine research facilities which are the responsibility of the Australian Institute of Marine Science.
- e. Includes funding to the Learned Academies and ACOLA, CHASS, FASTS, ACCP and ANZAAS under the Higher Education Research Promotion program.
- f. The Systemic Infrastructure Initiative has been replaced by the National Collaborative Research Infrastructure Strategy. For an explanation on the disaggregation of the Research Infrastructure Block Grants program and the Research Training Scheme reported in this table, see notes on p.37, Portfolio Budget Statements 2008-09 - Budget Related Paper No. 1.14 - Innovation, Industry, Science & Research Portfolio.
- g. This item refers to funds for research and research training provided to the Institute of Advanced Studies (IAS) of the Australian National University (ANU) through the ANU's operating grant.
- h. This data is based on estimates of revenue forgone as published in the Taxation Expenditures Statement (TES) and earlier issues. The TES estimates, particularly in later years, are revised each year as more data come to hand. Thus, the series here will be revised in the future. The data relates to the financial year when companies undertake the activity for which they subsequently claim a deduction or offset, i.e. they are the estimated costs to revenue that would have occurred if companies had made the tax claim in the same financial year in which the expenditure was incurred. Thus, the data presented in this table are brought forward by one year with respect to that published in the TES, since the TES data series reports data in the year in which revenue is forgone by the Government (normally, the year after expenditure is undertaken by companies). This will bring the time series into alignment with (1) business expenditure on R&D as reported by the Australian Bureau of Statistics, and (2) times series for R&D program data in Tables 2 and 3 above.
- i. Supplementing the pre-existing 125% tax concession for Industrial R&D and with effect from 1 July 2001. A 175% incremental (Premium) R&D Tax Concession for companies undertaking additional R&D was introduced. Note that the TES estimates provide for downwards adjustment of Pay as You Go (PAYG) tax instalments, particularly with respect to the first year in which the premium applies (with an estimate of \$20 million for 2000-01). This was replaced by the R&D Tax Incentive for income years starting on or after 1 July 2011.
- j. Treasury has advised that '...the calculation of the R&D Tax Offset and the refundable component of the R&D Tax Incentive given in the table is the sum of the ATO's administered payments for the Offset and the calculation of the tax expenditure in the 2011 Tax Expenditure Statement produced by the Treasury. This calculation is only a proxy for the benefit provided to taxpayers by this measure rather than an exact representation. An exact calculation cannot be constructed as taxpayers future tax positions cannot be calculated at this point. The future tax positions is integral to calculating the value of deductions forgone by receiving the Offset.'
- k. The PDFs, VCLP and ESVCLP programs are venture capital tax concession programs. The funds are registered under the respective legislation and the fund manager has responsibility for raising funds from the capital markets (both domestic and overseas). These fund managers use commercial decisions to make eligible investments - normally to Australian investee companies. The investments are normally held for several years and depending on the program and the sale of investments can result in profits being made. Any associated returns for profits are reflected in either the PDF being provided with concessional tax rate of 15% tax rate or there is flow through tax treatment of the ESVCLP/VCLP to the respective manager and the fund manager is taxed on capital account. Caution needs to be exercised when analysing these figures with investments made by PDFs in any given year.

**Notes:**

l. Estimates of the tax benefit for VCLP and ESVCLP programs are no longer able to be reliably quantified.

m. PDFs buy shares in Australian companies and their income includes profits made on the sale of these shares and dividends on holding those shares. A PDF could make an investment but it could be several years before any tax benefits are realised. Therefore, caution should be exercised when analysing these figures with investments made by PDFs in any given year.

n. This program has been administered as part of the Marine Research program since 2004-05.

**Industry Contributions - Rural Research Levies**

<b>Sector</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Estimated Actual 2012-13</b>	<b>Budget Estimate 2013-14</b>
	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>	<b>\$m</b>
Fish	2.0	5.7	5.7	0.8	0.2	0.8	0.9	0.9	0.9	1.0
Grains										
· Wheat	41.5	41.5	27.6	40.4	31.1	45.2	64.0	64.2	67.1	57.9
· Other Grains	25.7	25.9	23.2	36.4	30.8	30.2	22.2	46.6	58.9	42.0
Horticulture	26.5	26.5	16.8	18.8	18.7	21.4	21.6	21.1	22.4	22.4
Meat	21.1	21.8	22.1	30.6	34.8	35.5	35.2	36.0	34.8	35.7
Wool	40.4	42.0	46.5	45.1	41.7	35.3	47.0	52.0	41.7	46.0
Other Rural Research										
· Chicken Meat	1.1	1.1	1.4	1.0	1.1	1.5	1.5	1.5	1.8	1.2
· Cotton	3.5	4.1	4.2	2.0	2.2	3.4	4.6	10.3	11.6	9.0
· Dairying	31.0	31.0	31.0	28.0	27.3	28.3	30.2	30.9	34.1	34.6
· Egg Industry	4.4	4.4	4.1	0.8	0.9	1.1	1.7	2.0	2.0	1.8
· Forestry	3.8	3.8	3.6	4.6	5.2	5.1	5.2	5.2	4.8	5.0
· Grape and Wine	7.9	7.9	13.2	9.9	12.5	12.1	11.2	11.2	11.3	11.0
· Honey	0.2	0.2	0.5	0.3	0.3	0.4	0.4	0.4	0.5	0.3
· Pig Industry	13.5	13.5	12.1	3.2	4.0	3.7	4.6	4.7	4.8	4.8
· Sugar	5.5	5.5	5.1	4.8	4.5	4.1	3.8	3.9	4.2	4.3
Rural Industries R&D Corporation	2.6	3.0	4.9	0.8	0.4	1.8	2.4	4.3	4.7	5.1
<b>Total</b>	<b>230.8</b>	<b>237.9</b>	<b>222.0</b>	<b>227.4</b>	<b>215.8</b>	<b>230.0</b>	<b>256.5</b>	<b>295.2</b>	<b>305.4</b>	<b>282.1</b>

**Table 5. Australian Government Support for Science, Research and Innovation by Socio-economic Objective<sup>a</sup>**

Socio-economic Objective <sup>b,c</sup>	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Estimated Actual 2012-13	Budget Estimate 2013-14	% of 2013-14 Expenditure
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	%
01. Exploration and exploitation of the Earth	330.5	355.0	386.7	422.5	443.0	539.5	449.1	476.1	492.2	427.5	4.9
02. Environment	172.8	186.1	205.7	234.4	240.0	398.9	421.4	413.2	467.9	313.0	3.6
03. Exploration and exploitation of space infrastructures	5.1	4.9	4.7	4.8	6.2	53.8	49.3	46.6	45.8	36.3	0.4
05. Energy	101.2	120.2	123.1	133.3	149.4	192.2	290.3	376.8	352.2	338.1	3.9
06. Industrial production and technology	149.4	200.4	224.3	282.1	428.4	519.2	500.5	561.3	541.5	518.7	6.0
07. Health	1,240.0	1,357.4	1,457.6	1,637.5	1,758.4	1,837.5	1,688.8	1,748.0	1,655.3	1,510.2	17.5
08. Agriculture	521.8	835.1	1,125.3	838.6	1,030.6	1,041.4	1,183.7	1,373.6	1,203.9	1,251.6	14.5
09. Education <sup>d</sup>	441.2	476.8	488.4	513.1	534.5	548.6	540.4	579.8	576.7	677.9	7.8
10. Culture, recreation, religion and mass media <sup>d</sup>	15.8	16.6	17.6	19.5	20.7	21.3	23.0	21.8	24.3	26.2	0.3
11. Political and social systems, structures and processes <sup>d</sup>	70.3	87.7	110.8	131.3	161.8	178.5	90.2	100.1	96.8	88.5	1.0
R&D financed from General University Funds (GUF)	115.2	127.2	132.3	155.1	188.9	218.8	301.7	338.2	419.4	357.2	4.1
13. General advancement of knowledge: R&D financed from other sources	1,178.0	1,347.5	1,233.8	1,224.0	1,240.9	1,342.9	1,487.2	1,596.4	1,623.0	1,700.5	19.7
14. Defence	553.5	560.1	629.4	619.5	662.4	808.2	1,025.4	970.8	988.5	927.4	10.7
<b>Total</b>	<b>5,238.7</b>	<b>6,061.5</b>	<b>6,586.3</b>	<b>6,669.4</b>	<b>7,313.4</b>	<b>8,186.5</b>	<b>8,530.7</b>	<b>9,114.2</b>	<b>8,973.7</b>	<b>8,644.4</b>	<b>100.0</b>

**Notes:**

a. Table 5 represents the total Commonwealth support for science, research and innovation through the Budget and other appropriations allocated by broad socio-economic objective (SEO) categories, classified according to the Nomenclature for the Analysis of Science Budgets (NABS) 2007 SEO classification. The allocation of Budget funds corresponds to the primary intention of the funder. Hence, the allocation according to the SEO categories may vary from that reported in the R&D surveys of the Australian Bureau of Statistics (ABS).

b. The socio-economic objective (SEO) nomenclature is in accordance 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 reflects the recommendations of the Frascati Manual (2002, OECD).

c. Figures previously reported against the NABS 1992 SEO category of 'Other civil research' prior to 2006-07 have been allocated across NABS 2007 categories 01-13.

d. Under the NABS 1992 SEO classification, these socio-economic objectives were combined as 'Social structures and relationships'.