



The Australian Government's 2012-13 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 ^{a,b}

| | Ref. no. ^c | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated Actual 2011-12 \$m | Budget Estimate 2012-13 \$m |
|--|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------------------|--------------------------------------|
| Intramural Expenditure on Science, Research and Innovation ^d | | | | | | | | | | | |
| Australian Government Research Activities | | | | | | | | | | | |
| · CSIRO | 1 | 568.6 | 577.1 | 593.9 | 610.1 | 663.1 | 675.8 | 714.8 | 730.3 | 724.9 | 736.8 |
| · Defence Science and Technology Organisation | 2 | 293.9 | 315.4 | 351.1 | 408.1 | 406.0 | 379.5 | 407.6 | 421.7 | 462.2 | 439.5 |
| · Other R&D Activities | 3 | 568.6 | 492.1 | 474.3 | 492.3 | 572.6 | 563.1 | 572.3 | 580.1 | 591.6 | 599.3 |
| <i>Sub-total</i> | | <i>1,431.1</i> | <i>1,384.6</i> | <i>1,419.3</i> | <i>1,510.5</i> | <i>1,641.7</i> | <i>1,618.5</i> | <i>1,694.7</i> | <i>1,732.2</i> | <i>1,778.8</i> | <i>1,775.6</i> |
| Extramural Expenditure on Science, Research and Innovation ^d | | | | | | | | | | | |
| Business Enterprise Sector | | | | | | | | | | | |
| · Industry R&D Tax Measures ^e | 4 | 665.0 | 729.0 | 897.0 | 1,005.0 | 1,156.0 | 1,429.0 | 1,455.0 | 1,445.0 | 1,906.0 | 1,833.0 |
| · Other R&D Support | 5 | 219.5 | 175.0 | 191.1 | 212.2 | 234.0 | 179.3 | 64.5 | 43.8 | 16.6 | 13.5 |
| · Other Innovation Support | 6 | 266.9 | 223.7 | 242.4 | 254.1 | 264.0 | 274.2 | 549.2 | 412.7 | 580.1 | 407.3 |
| <i>Sub-total</i> | | <i>1,151.4</i> | <i>1,127.7</i> | <i>1,330.5</i> | <i>1,471.3</i> | <i>1,654.0</i> | <i>1,882.5</i> | <i>2,068.7</i> | <i>1,901.5</i> | <i>2,502.7</i> | <i>2,253.8</i> |
| Higher Education Sector | | | | | | | | | | | |
| · Australian Research Council | 7 | 399.6 | 480.9 | 544.4 | 570.3 | 571.8 | 585.9 | 652.8 | 708.7 | 808.8 | 879.1 |
| · Performance Based Block Funding | 8 | 1,322.5 | 1,333.0 | 1,383.2 | 1,400.4 | 1,391.7 | 1,408.4 | 1,514.0 | 1,661.4 | 1,774.6 | 1,907.4 |
| · Other R&D Support | 9 | 449.1 | 8.2 | 139.8 | 9.6 | 12.1 | 15.7 | 202.9 | 225.4 | 167.1 | 58.5 |
| <i>Sub-total</i> | | <i>2,171.2</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>2,369.7</i> | <i>2,595.5</i> | <i>2,750.5</i> | <i>2,845.1</i> |
| Multisector ^f | | | | | | | | | | | |
| · National Health and Medical Research Council and Other Health | 10 | 365.7 | 380.4 | 674.7 | 962.2 | 618.2 | 842.1 | 798.2 | 1,017.1 | 1,084.9 | 949.8 |
| · Cooperative Research Centres | 11 | 201.8 | 194.5 | 208.1 | 189.3 | 211.9 | 182.3 | 178.9 | 172.6 | 165.5 | 154.1 |
| · Rural | 12 | 226.3 | 225.7 | 234.0 | 238.5 | 241.4 | 245.7 | 228.8 | 220.8 | 264.8 | 256.0 |
| · Energy and the Environment | 13 | 63.6 | 43.9 | 47.2 | 75.1 | 87.1 | 195.4 | 266.9 | 256.0 | 329.4 | 271.3 |
| · Other Science Support | 14 | 60.3 | 71.7 | 93.8 | 172.8 | 175.3 | 187.7 | 400.4 | 579.0 | 393.6 | 429.2 |
| <i>Sub-total</i> | | <i>917.7</i> | <i>916.1</i> | <i>1,257.8</i> | <i>1,637.9</i> | <i>1,333.9</i> | <i>1,653.1</i> | <i>1,873.1</i> | <i>2,245.6</i> | <i>2,238.2</i> | <i>2,060.3</i> |
| Total Australian Government Support | | 5,671.4 | 5,250.5 | 6,075.1 | 6,600.0 | 6,605.3 | 7,164.1 | 8,006.3 | 8,474.8 | 9,270.3 | 8,934.7 |

Notes:

a. The financial data presented in this table are an aggregate of the expenditure data sourced from Tables 2, 3 and 4.

b. 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.

c. Reference numbers in Column 2 identify their respective disaggregated source data in Tables 2, 3 and 4.

d. A definition of the expenditure categories is provided on page 1.

e. The amounts indicated for Industry R&D Tax Measures are estimates only.

f. 'Multisector' includes programs that may be accessed by several sectors, including Australian Government agencies.

Table 1 (page 2)

Portfolio Summary

| Portfolio | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | Estimated Actual 2011-12 | Budget Estimate 2012-13 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|-------------------------------|
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Agriculture, Fisheries and Forestry | 247.3 | 250.3 | 262.9 | 264.4 | 265.4 | 264.5 | 255.9 | 245.8 | 279.9 | 265.1 |
| Attorney-General | 4.0 | 3.8 | 3.6 | 4.6 | 5.1 | 5.0 | 4.7 | 5.1 | 6.3 | 3.7 |
| Broadband, Communications and the Digital Economy | 11.3 | 17.2 | 23.5 | 24.0 | 26.8 | 27.3 | 25.4 | 25.9 | 25.0 | 23.8 |
| Climate Change and Energy Efficiency | 3.6 | 8.0 | 7.9 | 8.9 | 11.5 | 17.5 | 11.8 | 11.8 | 11.8 | 24.1 |
| Defence | 293.9 | 316.7 | 352.4 | 409.4 | 409.5 | 391.7 | 422.8 | 440.3 | 486.0 | 450.5 |
| Families, Housing, Community Services and Indigenous Affairs | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.3 | 14.0 | 28.2 | 25.1 |
| Foreign Affairs and Trade | 41.2 | 42.8 | 46.4 | 51.3 | 56.8 | 56.1 | 72.8 | 88.3 | 110.8 | 116.7 |
| Health and Ageing | 365.7 | 380.4 | 674.7 | 962.2 | 620.3 | 846.4 | 800.2 | 1,019.1 | 1,086.9 | 951.7 |
| Human Services | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.0 | 2.2 | 2.0 |
| Industry, Innovation, Science, Research and Tertiary Education | 4,437.7 | 3,982.4 | 4,435.1 | 4,547.2 | 4,844.3 | 5,100.7 | 5,875.5 | 6,121.6 | 6,751.6 | 6,656.5 |
| Infrastructure and Transport | 1.9 | 1.9 | 2.2 | 7.1 | 9.1 | 7.0 | 6.1 | 6.8 | 6.2 | 5.6 |
| Regional Australia, Local Government, Arts and Sport | 1.3 | 0.8 | 1.0 | 1.0 | 1.6 | 1.6 | 3.3 | 3.7 | 3.3 | 3.4 |
| Resources, Energy and Tourism | 96.9 | 102.6 | 113.6 | 131.5 | 168.2 | 250.7 | 328.7 | 308.2 | 254.2 | 200.7 |
| Sustainability, Environment, Water, Population and Communities | 166.6 | 143.5 | 151.8 | 188.4 | 186.5 | 195.2 | 196.8 | 182.1 | 217.8 | 205.9 |
| Total | 5,671.4 | 5,250.5 | 6,075.1 | 6,600.0 | 6,605.3 | 7,164.1 | 8,006.3 | 8,474.8 | 9,270.3 | 8,934.7 |

Table 2. Australian Government Research Activities - Budget Expenditures^a

| Portfolio / Activity | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|---|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| Agriculture, Fisheries and Forestry | | | | | | | | | | | |
| Australian Animal Health Laboratory | 3 | 6.2 | 6.8 | 6.9 | 7.0 | 7.2 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 |
| Attorney-General | | | | | | | | | | | |
| Australian Institute of Criminology Research Program | 3 | 3.3 | 3.2 | 3.0 | 4.0 | 4.5 | 4.5 | 4.2 | 4.5 | 4.2 | 3.0 |
| Defence | | | | | | | | | | | |
| Defence Science and Technology Organisation ^b | 2 | 293.9 | 315.4 | 351.1 | 408.1 | 406.0 | 379.5 | 407.6 | 421.7 | 462.2 | 439.5 |
| Foreign Affairs and Trade | | | | | | | | | | | |
| Australian Centre for International Agricultural Research | 3 | 41.2 | 42.8 | 46.4 | 51.3 | 56.8 | 56.1 | 72.8 | 88.3 | 110.8 | 116.7 |
| Health and Ageing | | | | | | | | | | | |
| Australian Radiation Protection and Nuclear Safety Agency | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.3 | 2.0 | 2.0 | 2.0 | 2.0 |
| Industry, Innovation, Science, Research and Tertiary Education | | | | | | | | | | | |
| Australian Institute of Aboriginal and Torres Strait Islander Studies | 3 | 1.8 | 1.9 | 1.9 | 1.8 | 1.8 | 2.1 | 2.0 | 2.4 | 2.1 | 2.9 |
| Australian Institute of Marine Science | 3 | 22.1 | 22.5 | 23.1 | 24.5 | 26.6 | 27.6 | 30.4 | 30.9 | 31.2 | 31.6 |
| Australian Nuclear Science and Technology Organisation ^c | 3 | 290.4 | 196.4 | 158.5 | 141.6 | 185.7 | 174.7 | 155.2 | 169.7 | 159.1 | 162.7 |
| CSIRO | 1 | 568.6 | 577.1 | 593.9 | 610.1 | 663.1 | 675.8 | 714.8 | 730.3 | 724.9 | 736.8 |
| Resources, Energy and Tourism | | | | | | | | | | | |
| Geoscience Australia | 3 | 96.9 | 100.9 | 107.4 | 125.4 | 145.0 | 139.0 | 130.6 | 116.2 | 111.4 | 113.8 |
| Sustainability, Environment, Water, Population and Communities | | | | | | | | | | | |
| Antarctic Division | 3 | 85.5 | 86.5 | 94.6 | 99.6 | 105.5 | 104.6 | 116.9 | 101.6 | 101.7 | 97.0 |
| Bureau of Meteorology Research Activities | 3 | 10.1 | 11.0 | 11.7 | 12.8 | 12.6 | 19.9 | 22.6 | 27.8 | 31.0 | 32.8 |
| Great Barrier Reef Marine Park Authority | 3 | 3.9 | 4.0 | 4.9 | 4.8 | 4.8 | 3.4 | 3.0 | 2.6 | 2.8 | 1.9 |
| Supervising Scientist Division ^d | 3 | 7.1 | 7.8 | 7.5 | 11.1 | 11.2 | 11.0 | 12.4 | 12.9 | 13.8 | 14.0 |
| Total | | 1,431.1 | 1,376.3 | 1,411.0 | 1,502.1 | 1,633.0 | 1,609.7 | 1,681.7 | 1,718.2 | 1,764.8 | 1,762.2 |

Notes:

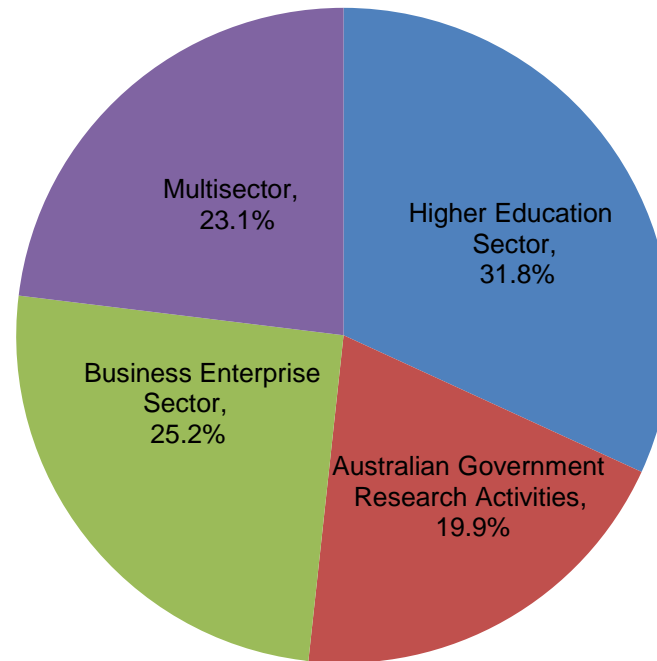
a. The financial data have been supplied and confirmed by the departments and agencies responsible for administering the programs listed in the Table. Reference numbers in Column 2 reconcile agency expenditures with their respective sector aggregates in Table 1.

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 2012-13



The support from the Australian Government for Science, Research and Innovation by sector of performance in 2012-13 shows that the recipient of the highest proportion of support was the Higher Education Sector (31.8%), followed by the Business Enterprise Sector (25.2%), Multisector research activities (23.1%), and the Government Sector (19.9%).

Table 3. R&D Granting Programs and Other Support for Science, Research and Innovation through the Budget ^a

| Program | Ref. no. ^a | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | Estimated | Budget |
|---|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|----------|
| | | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | 2011-12 | 2012-13 |
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 | 2012-13 |
| | | | | | | | | | | \$m | \$m |
| Agriculture, Fisheries and Forestry | | | | | | | | | | | |
| Carbon Farming Futures - Action on the Ground | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 6.3 |
| Carbon Farming Futures - Filling the Research Gap | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.8 | 5.6 |
| Carbon Farming Initiative | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.3 | 2.2 |
| Centres of Excellence - Biosecurity Risk Analysis and Research | 14 | 0.0 | 0.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 |
| Centres of Excellence - National Food Industry Strategy | 6 | 3.0 | 3.4 | 2.4 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Climate Change Research Program | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 15.0 | 15.0 | 6.2 | 0.0 |
| Food Innovation Grants - National Food Industry Strategy | 6 | 8.9 | 10.8 | 15.4 | 13.1 | 13.1 | 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 | 0.0 | 3.5 | 1.3 | 0.0 | 0.0 |
| Land and Water Research | 12 | 12.2 | 12.5 | 12.5 | 12.8 | 13.0 | 13.0 | 6.7 | 0.0 | 0.0 | 0.0 |
| National Weeds and Productivity Research Program | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 4.1 | 4.0 | 4.0 | 0.0 |
| New Industries Development Program | 6 | 3.2 | 3.5 | 2.6 | 2.0 | 2.3 | 0.2 | 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 | 0.0 | 3.0 | 5.1 | 2.3 | 0.0 |
| Rural Industries R&D Corporation | 12 | 14.8 | 14.6 | 14.9 | 14.9 | 13.4 | 13.3 | 14.0 | 13.1 | 15.1 | 14.8 |
| Attorney-General | | | | | | | | | | | |
| Australian Institute of Criminology - Australian Crime and Violence Prevention Awards Program | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| Australian Institute of Criminology - Criminology Research Grant Program | 9 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 | 0.3 | 0.4 |
| Australian Institute of Criminology - National Drug and Law Enforcement Research Program | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.7 | 0.2 |
| Broadband, Communications and the Digital Economy | | | | | | | | | | | |
| ICT Centre of Excellence | 14 | 11.3 | 17.2 | 23.5 | 24.0 | 26.8 | 27.3 | 25.4 | 25.9 | 25.0 | 23.8 |
| Climate Change and Energy Efficiency | | | | | | | | | | | |
| Australian Climate Change Science Program | 13 | 0.0 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| Bilateral Climate Change Partnerships Program ^b | 13 | 0.0 | 0.2 | 0.1 | 1.1 | 1.2 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| Carbon Farming Futures - Methodology Development | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.7 |
| Indigenous Carbon Farming Fund | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| National Carbon Accounting System | 13 | 3.6 | 0.0 | 0.0 | 0.0 | 2.5 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 3 (page 2) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|--|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------|----------------------------|
| | | | | | | | | | | Actual 2011-12 \$m | Estimate 2012-13 \$m |
| National Carbon Accounting Toolbox | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 4.0 | 3.9 | 4.0 |
| Regional Natural Resource Management Planning for Climate Change (Stream 2) | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 |
| Defence | | | | | | | | | | | |
| Asia Pacific Civil Military Centre of Excellence Research and Lessons Learnt | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.6 | 1.6 |
| Defence Materiel Organisation - Capability Technology Demonstrator - Extension Program | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 10.9 | 10.4 | 10.1 | 11.1 | 0.0 |
| Defence Materiel Organisation - Defence Industry Innovation Centre | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 3.2 | 3.5 | 3.6 |
| Jet Fuel Exposure Syndrome Study | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.9 | 0.5 |
| Families, Housing, Community Services and Indigenous Affairs | | | | | | | | | | | |
| ARC Linkage Grants - FaHCSIA Cash Contributions | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.3 | 0.3 | 0.1 | 0.0 |
| Longitudinal Surveys ^c | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.3 | 20.1 | 20.1 |
| Social Policy Research Programs ^d | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 8.0 | 5.0 |
| Health and Ageing | | | | | | | | | | | |
| Adult Stem Cell Research Centre | 10 | 0.0 | 0.0 | 0.0 | 5.0 | 5.0 | 5.0 | 5.0 | 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 | 0.0 | 1.7 | 2.1 | 3.1 |
| Australian National Preventive Health Agency Research Fund | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 3.4 |
| Cancer Clinical Trials | 10 | 0.0 | 0.0 | 0.0 | 5.1 | 5.2 | 5.4 | 5.5 | 5.5 | 5.4 | 5.6 |
| Cancer Data | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.4 | 0.4 |
| Cancer Research | 10 | 0.0 | 0.0 | 3.0 | 5.1 | 5.7 | 5.9 | 4.4 | 4.4 | 4.4 | 4.4 |
| Chronic Disease Prevention and Service Improvement Fund ^e | 10 | 0.0 | 0.0 | 0.0 | 5.0 | 5.0 | 5.0 | 5.9 | 0.9 | 0.8 | 0.3 |
| Cooperative Research Centre for Aboriginal and Torres Strait Islander Health | 10 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.4 |
| Health Sciences - Australian Longitudinal Study on Women's Health ^f | 10 | 1.7 | 1.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 2.4 | 3.1 | 2.5 |
| Improving Lung Cancer and Treatment Guidelines ^g | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.4 | 1.5 | 1.5 |
| Indigenous Public Health Workforce Capacity Building Project, University of Melbourne (ONEMDA) and Deakin University Institute of Koori Education ^h | 10 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |

Table 3 (page 3) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|---|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------|----------------------------|
| | | | | | | | | | | Actual 2011-12 \$m | Estimate 2012-13 \$m |
| Investing in Hearing Research | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.2 | 1.4 | 3.0 | 2.3 | 1.7 |
| Jigsaw Foundation - Support for Craniofacial Surgery | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 5.0 | 0.0 | 0.0 |
| Medical Research Infrastructure Projects ⁱ | 10 | 31.2 | 0.0 | 215.0 | 435.8 | 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 | 0.0 | 4.1 |
| National Breast Cancer Foundation Cohort Study | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 |
| National Cancer Plan - Boost Cancer Research | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 5.2 | 5.0 | 0.0 | 0.0 |
| National Centre for Immunisation Research and Surveillance | 10 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 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 | 0.0 | 5.9 | 0.0 |
| National Illicit Drug Strategy Research | 10 | 0.0 | 0.2 | 0.2 | 0.7 | 0.5 | 0.3 | 0.5 | 0.0 | 0.0 | 0.0 |
| National Public Health Communicable Disease Control - Research Centres | 10 | 0.0 | 0.0 | 8.2 | 8.2 | 8.5 | 8.8 | 9.0 | 9.2 | 9.3 | 9.5 |
| NHMRC Research Grants | 10 | 332.4 | 378.2 | 424.6 | 471.7 | 560.7 | 699.3 | 707.1 | 754.2 | 804.5 | 835.3 |
| Pandemic Vaccine Accelerated Development | 10 | 0.0 | 0.0 | 2.0 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Primary Care Policy, Innovation and Research | 10 | 0.0 | 0.0 | 14.6 | 14.2 | 16.4 | 14.6 | 16.5 | 14.4 | 14.7 | 15.3 |
| 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 | 0.0 | 0.2 | 0.0 |
| Support for Diabetes Research | 10 | 0.0 | 0.2 | 4.9 | 6.8 | 6.0 | 9.8 | 4.4 | 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 | 0.0 | 2.9 | 2.7 |
| Two Dedicated Prostate Cancer Research Centres | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.0 | 1.0 | 5.0 | 4.0 |
| Human Services | | | | | | | | | | | |
| Human Services Delivery Research Alliance | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 0.2 | 0.0 |
| Industry, Innovation, Science, Research and Tertiary Education | | | | | | | | | | | |
| Australia-China Science and Research Fund | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 |
| Australian Astronomical Observatory | 9 | 4.0 | 4.1 | 4.6 | 4.7 | 4.8 | 4.9 | 9.0 | 10.4 | 10.5 | 11.1 |

Table 3 (page 4) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|---|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------|----------------------------|
| | | | | | | | | | | Actual 2011-12 \$m | Estimate 2012-13 \$m |
| Australian National University Research Infrastructure Projects | 9 | 0.0 | 0.0 | 125.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Australian National Stem Cell Centre | 5 | 4.6 | 5.8 | 7.1 | 6.5 | 6.0 | 5.5 | 5.0 | 4.5 | 0.0 | 0.0 |
| Australian Space Science Program | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 12.0 | 12.2 | 12.5 |
| Australian Synchrotron Contribution | 14 | 0.0 | 0.0 | 0.0 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Automotive Competitiveness Investment Scheme | 6 | 128.7 | 130.4 | 145.7 | 168.9 | 178.4 | 202.4 | 233.8 | 141.7 | 0.0 | 0.0 |
| Automotive Transformation Scheme | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 107.3 | 219.8 | 240.8 |
| Biotechnology Innovation Fund ^j | 6 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| Bond University - Grant for Health Science and Medicine Building | 9 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Building Information Technology Strengths – Advanced Networks Program | 6 | 6.6 | 8.0 | 7.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Building Information Technology Strengths – Incubators | 6 | 11.6 | 12.6 | 10.6 | 5.0 | 3.5 | 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 | 0.0 | 15.0 | 4.5 | 0.0 |
| Clean Business Australia - Climate Ready Program | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 | 37.6 | 14.6 | 8.0 | 0.0 |
| Clean Technology Innovation Program | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 |
| Collaborative Research Network Program | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 18.6 | 18.6 |
| Commercial Ready Program ^j | 5 | 0.0 | 152.1 | 163.4 | 172.1 | 186.0 | 132.3 | 41.3 | 4.1 | 0.9 | 0.0 |
| Commercialisation Australia ^k | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 23.5 | 51.0 | 60.7 |
| Commercialising Emerging Technologies (COMET) | 6 | 8.7 | 7.9 | 8.4 | 9.7 | 14.0 | 13.5 | 11.2 | 6.1 | 0.0 | 0.0 |
| Commonwealth Serum Laboratories (CSL) - Commonwealth Assistance | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 10.6 | 8.0 |
| Commonwealth Strategic Relationship with ANU | | | | | | | | | | | |
| · Australian National Institute for Public Policy | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 1.5 | 1.0 |
| · Building the Australian Centre on China in the World | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 8.0 | 0.0 |
| · Building the National Security College | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| · Australian Centre on China in the World | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.0 | 0.0 | 0.0 |
| · National Security College | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 |
| · Sir Roland Wilson Foundation | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 0.0 | 0.0 |

Table 3 (page 6) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|--|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| Small-Scale Mammalian Cell Production Facility | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 4.0 | 4.0 |
| Société Internationale de Télécommunications | 6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Software-Engineering Australia | 6 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Technology Diffusion Program | 6 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Infrastructure and Transport | | | | | | | | | | | |
| Air Cargo X-ray Trials | 14 | 0.0 | 0.0 | 0.0 | 4.9 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ANCAP-Vehicle Testing/Stars on Cars | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.1 | 1.1 |
| COAG Road Reform Contribution | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 1.1 | 1.1 |
| Funding to Transport Certification Australia - Heavy Vehicle Telematics and the Intelligent Access Project | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.7 | 0.0 |
| Joint Liquids, Aerosols and Gels Trial | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Liquids, Aerosols and Gels Screening Technology Trials | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| Low Volume Roads Research | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.6 | 0.3 | 0.1 | 0.0 | 0.0 |
| Payments to Austroads/ARRB Transport Research Ltd. | 14 | 1.9 | 1.9 | 2.2 | 2.2 | 2.8 | 2.9 | 3.1 | 3.2 | 3.3 | 3.4 |
| Teledyne - Stand-Off Body Scanner Project | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 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 | 0.0 | 0.1 | 0.0 | 0.0 |
| Regional Australia, Local Government, Arts and Sport | | | | | | | | | | | |
| Anti-doping Research Program (ADRP) | 14 | 0.9 | 0.6 | 0.5 | 0.6 | 1.2 | 1.3 | 0.8 | 0.7 | 0.3 | 0.4 |
| ARC Linkage Grants - National Museum of Australia Contribution Payment | 3 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 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 | 0.0 | 0.1 | 0.1 |
| Australia Council - Synapse Program | 14 | 0.1 | 0.0 | 0.3 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |

Table 3 (page 7) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|---|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| Australian Sport Commission Research Programs | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.2 | 2.1 | 2.1 |
| Conservation and Preservation Program | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.4 | 0.4 |
| Regional and Rural Development Grant | 12 | 0.2 | 0.2 | 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 | 0.0 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 |
| Regional and Rural Research and Information and Data Program | 12 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Resources, Energy and Tourism | | | | | | | | | | | |
| Advanced Electricity Storage Technologies | 13 | 0.0 | 0.0 | 0.2 | 0.8 | 2.5 | 8.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Australian Centre for Renewable Energy ⁿ | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.5 | 14.4 | 41.9 | 0.0 |
| Australian Solar Institute ⁿ | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 49.8 | 30.0 | 32.7 | 0.0 |
| Energy Innovation Fund | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Global Carbon Capture and Storage Institute | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 82.3 | 100.0 | 100.0 | 25.0 | 35.0 |
| Low Emissions Technology Demonstration Fund | 13 | 0.0 | 0.8 | 1.5 | 1.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| National Low Emissions Coal Initiative | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 14.0 | 8.7 | 32.3 | 47.6 | 43.3 | 51.9 |
| Otway Basin Pilot Project | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 |
| Renewable Energy Fund | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| Wind Forecasting Capability | 13 | 0.0 | 0.9 | 4.5 | 4.0 | 3.2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sustainability, Environment, Water, Population and Communities | | | | | | | | | | | |
| Australian Biological Resources Study | 13 | 3.1 | 3.0 | 3.0 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Emissions Measurement and Analysis | 13 | 0.0 | 7.7 | 6.8 | 6.3 | 6.1 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| Greenhouse Gas Abatement Program | 13 | 38.9 | 15.4 | 13.3 | 17.7 | 7.9 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| Greenhouse Research (NGRP) | 13 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Low Emissions Technology and Abatement | 13 | 0.0 | 0.9 | 2.0 | 6.7 | 3.1 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| Marine and Biodiversity Research | 13 | 0.0 | 1.8 | 2.1 | 9.6 | 8.5 | 13.9 | 6.4 | 2.9 | 4.7 | 9.6 |
| National Environmental Research Program | 13 | 0.0 | 0.0 | 2.9 | 15.5 | 23.0 | 25.4 | 24.4 | 20.0 | 19.0 | 20.0 |
| Office of Water Science | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.0 | 15.0 |
| Reef Water Quality | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 3.4 | 3.0 | 2.5 |
| Renewable Energy Commercialisation Program | 13 | 9.2 | 2.9 | 1.7 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Renewable Energy Equity Fund | 13 | 3.4 | 0.4 | 1.3 | 0.8 | 1.8 | 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 | 0.0 | 4.0 | 9.0 | 8.0 | 8.0 | 11.0 |
| Veterans' Affairs | | | | | | | | | | | |
| Australian War Memorial - Official Histories | 3 | 0.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Total | | 1,164.5 | 1,111.4 | 1,608.9 | 1,886.3 | 1,609.4 | 1,791.9 | 2,033.2 | 1,998.4 | 2,028.2 | 1,809.5 |

Table 3 (page 8)

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. 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.
- 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. From 2008-09, expenditure for this program is reported under the Health and Hospitals Fund, refer to Table 4.
- j. 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.
- k. Programs provide support for commercialisation activities, including proof of concept activities.
- l. The National Collaborative Research Infrastructure Strategy (NCRIS) Program is a successor to the Major National Research Facilities (MNRF).
- m. The National Collaborative Research Infrastructure Strategy (NCRIS) Program is a successor to the Systemic Infrastructure Initiative.
- n. These programs are transferring to the Australian Renewable Energy Agency as at 1 July 2012.

Table 4. R&D Granting Programs and Other Support for Science, Research and Innovation through Special Appropriations and Other Measures ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|---|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| Agriculture, Fisheries and Forestry ^b | | | | | | | | | | | |
| Dairy Australia Limited | 12 | 15.4 | 14.5 | 15.4 | 16.0 | 18.3 | 19.2 | 19.6 | 17.7 | 18.4 | 19.3 |
| Fishing Industry Research | 12 | 27.9 | 31.7 | 32.8 | 28.0 | 14.9 | 21.4 | 16.3 | 16.5 | 16.7 | 16.4 |
| Grains | 12 | 39.2 | 35.1 | 35.1 | 35.8 | 37.5 | 42.2 | 50.1 | 53.4 | 57.6 | 61.5 |
| Horticulture Research | 12 | 30.0 | 30.0 | 32.9 | 34.0 | 36.2 | 32.4 | 40.2 | 39.2 | 42.0 | 43.0 |
| Meat Research | 12 | 28.5 | 35.6 | 36.3 | 37.6 | 45.0 | 42.8 | 42.0 | 37.8 | 49.4 | 50.2 |
| Other Rural Research | 12 | 41.9 | 37.7 | 37.8 | 47.6 | 50.8 | 45.9 | 22.3 | 23.7 | 29.3 | 25.0 |
| Wool Research | 12 | 16.2 | 13.7 | 16.2 | 11.6 | 12.1 | 12.2 | 10.3 | 9.6 | 11.5 | 11.5 |
| Health and Ageing | | | | | | | | | | | |
| Health and Hospitals Fund | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 75.8 | 27.0 | 204.7 | 218.7 | 52.8 |
| Industry, Innovation, Science, Research and Tertiary Education | | | | | | | | | | | |
| Australian Research Council | 7 | 399.6 | 480.9 | 544.4 | 570.3 | 571.8 | 585.9 | 652.8 | 708.7 | 808.8 | 879.1 |
| Clean Energy Initiative | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 100.0 |
| Education Investment Fund - Round 1 | | | | | | | | | | | |
| · Institute of Photonics | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 18.6 | 9.8 | 0.1 | 0.1 |
| · New Horizons - Monash University Project | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 8.0 | 11.5 | 58.0 | 11.8 |
| Education Investment Fund - Round 2 | | | | | | | | | | | |
| · Australian Institute for Innovative Materials | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.8 | 16.0 | 0.0 | 0.0 |
| · Building the Sydney Institute of Marine Science | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 6.0 | 3.0 | 0.0 |
| · Centre for Climate Change and Energy Research | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 0.0 | 0.0 | 0.0 |
| · Centre for Neural Engineering | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 10.2 | 3.4 | 0.0 |
| · Institute for Marine and Antarctic Studies | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 45.0 | 0.0 | 0.0 | 0.0 |
| · La Trobe Institute for Molecular Sciences | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.4 | 34.2 | 15.5 | 0.0 |
| · National Centre for Synchrotron Science | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.0 | 15.8 | 3.0 | 0.0 |
| · Smart State Medical Research Centre | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.0 | 0.0 | 0.0 |
| Education Investment Fund - Round 3 | | | | | | | | | | | |
| · AuScope Australian Geophysical Observing System | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.3 | 6.8 | 5.3 |

Table 4 (page 2) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|--|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| · Australian Future Fibres Research and Innovation Centres | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 15.0 | 18.5 |
| · Green Chemical Futures | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 4.3 | 15.6 |
| · Indian Ocean Marine Research Centre | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 8.5 | 11.0 |
| · National Imaging Facility | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.6 | 5.6 | 0.0 |
| · The Australian Institute for Nanoscience | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 26.1 | 6.8 |
| Education Investment Fund - Super Science | | | | | | | | | | | |
| · Super Science - Future Industries ^c | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 109.0 | 109.0 | 112.5 | 100.5 |
| · Super Science - Marine and Climate ^d | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 | 71.0 | 116.0 | 64.4 | 97.6 |
| · Super Science - Space Science and Astronomy | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 20.0 | 7.5 | 42.5 |
| Education Investment Fund - Sustainability Round | | | | | | | | | | | |
| · Newcastle Institute for Energy and Resources | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.8 | 12.1 | 4.1 |
| · Retrofitting for Resilient and Sustainable Buildings | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 15.0 | 0.0 |
| · Sustainable Energy for SKA | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 | 22.9 |
| Estimate of Other Research and Research Training Support Sourced from the Australian Government ^e | 9 | 434.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Funding for Higher Education Research Promotion ^f | 9 | 2.4 | 2.5 | 4.1 | 3.3 | 5.6 | 4.6 | 4.7 | 4.3 | 4.5 | 4.6 |
| Funding for Research and Research Training Provided Under HESA (2003) | | | | | | | | | | | |
| · Australian Postgraduate Awards | 8 | 89.5 | 91.2 | 93.1 | 94.1 | 96.6 | 101.4 | 151.1 | 183.0 | 218.9 | 248.4 |
| · Commercialisation Training Scheme | 8 | 0.0 | 0.0 | 0.4 | 5.5 | 5.5 | 5.5 | 5.6 | 5.7 | 2.9 | 0.0 |
| · Institutional Grants Scheme | 8 | 285.2 | 290.6 | 296.1 | 302.0 | 308.1 | 311.3 | 157.3 | 0.0 | 0.0 | 0.0 |
| · International Postgraduate Research Scholarships | 8 | 17.8 | 18.1 | 18.5 | 18.4 | 19.2 | 19.4 | 19.8 | 20.2 | 20.7 | 21.5 |
| · Joint Research Engagement Program | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 160.6 | 323.7 | 332.5 | 345.3 |
| · Regional Protection Scheme | 8 | 5.8 | 3.0 | 3.1 | 6.2 | 3.2 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| · Research Infrastructure Block Grants | 8 | 160.6 | 183.0 | 199.9 | 203.9 | 206.0 | 210.2 | 214.6 | 218.5 | 224.5 | 233.1 |
| · Research Training Scheme | 8 | 541.9 | 552.2 | 562.6 | 573.9 | 585.4 | 591.5 | 603.9 | 615.1 | 631.8 | 656.1 |
| · Sustainable Research Excellence in Universities | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.0 | 121.0 | 165.2 | 218.6 |
| · Systemic Infrastructure Initiative ^g | 8 | 71.4 | 39.9 | 48.7 | 29.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 4 (page 3) ^a

| Program | Ref. no. ^a | 2003-04 \$m | 2004-05 \$m | 2005-06 \$m | 2006-07 \$m | 2007-08 \$m | 2008-09 \$m | 2009-10 \$m | 2010-11 \$m | Estimated | Budget |
|--|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | | | | | | Actual | Estimate |
| | | | | | | | | | | 2011-12 \$m | 2012-13 \$m |
| Giant Magellan Telescope | 14 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.6 | 19.4 | 15.1 | 14.9 |
| Inspiring Australia - Higher Education Research Promotion (HERP) Component | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.4 |
| Learned Academies Supplementation Funding | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Mount Stromlo Observatory Reconstruction | 9 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| National Institutes Program - ANU Component ^h | 8 | 150.3 | 154.9 | 160.7 | 166.6 | 167.7 | 167.5 | 171.1 | 174.2 | 178.2 | 184.4 |
| Industry R&D Tax Measures ⁱ | | | | | | | | | | | |
| · Premium Tax Concession for Additional R&D (175%) ^j | 4 | 100.0 | 130.0 | 225.0 | 290.0 | 300.0 | 390.0 | 320.0 | 310.0 | 80.0 | 30.0 |
| · R&D Tax Concession - Interim Transition Measure | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 55.0 | 55.0 | 0.0 | 0.0 |
| · R&D Tax Concession (125%) | 4 | 330.0 | 370.0 | 430.0 | 480.0 | 650.0 | 770.0 | 770.0 | 780.0 | 200.0 | 80.0 |
| · R&D Refundable Tax Offset ^k | 4 | 235.0 | 229.0 | 242.0 | 235.0 | 206.0 | 269.0 | 310.0 | 300.0 | -210.0 | -140.0 |
| · R&D Tax Incentive - Refundable | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,146.0 | 1,133.0 |
| · R&D Tax Incentive - Non Refundable | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 690.0 | 730.0 |
| Venture Capital Tax Measures ^l | | | | | | | | | | | |
| · Early Stage Venture Capital Limited Partnerships (ESVCLP) ^m | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.0 | 9.0 | 15.0 | 18.0 | * |
| · Pooled Development Funds (PDFs) ⁿ | 6 | 9.0 | 7.0 | 9.0 | 11.0 | 10.0 | 6.0 | 4.0 | 3.0 | 2.0 | 1.0 |
| · Venture Capital Limited Partnerships (VCLP) ^m | 6 | 35.0 | 9.0 | 10.0 | 10.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | * |
| Sustainability, Environment, Water, Population and Communities | | | | | | | | | | | |
| Bush Blitz Strategic Taxonomy Grants Scheme | 13 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.7 | 0.0 |
| National Oceans Office ^o | 13 | 1.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Veterans' Affairs | | | | | | | | | | | |
| Australian Centre for Post-Traumatic Mental Health | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| Centre for Military and Veterans' Health | 9 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 |
| Department of Veterans' Affairs Applied Research Program | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.0 | 2.4 |
| Family Study Research | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.2 |
| Total | | 3,075.9 | 2,762.8 | 3,055.2 | 3,211.6 | 3,362.9 | 3,762.5 | 4,291.4 | 4,758.3 | 5,477.3 | 5,362.9 |

Table 4 (page 4)

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.

Industry Contributions - Rural Research Levies

| Sector | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | Estimated Actual 2011-12 | Budget Estimate 2012-13 |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------------|-------------------------------|
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Fish | 6.1 | 2.0 | 5.7 | 5.7 | 0.8 | 0.2 | 0.8 | 0.9 | 0.9 | 0.9 |
| Grains | | | | | | | | | | |
| · Wheat | 41.4 | 41.5 | 41.5 | 27.6 | 40.4 | 31.1 | 45.2 | 64.0 | 64.2 | 55.6 |
| · Other Grains | 28.2 | 25.7 | 25.9 | 23.2 | 36.4 | 30.8 | 30.2 | 22.2 | 46.6 | 38.3 |
| Horticulture | 25.3 | 26.5 | 26.5 | 16.8 | 18.8 | 18.7 | 21.4 | 21.6 | 21.1 | 22.4 |
| Meat | 20.5 | 21.1 | 21.8 | 22.1 | 30.6 | 34.8 | 35.5 | 35.2 | 36.0 | 35.6 |
| Wool | 40.4 | 40.4 | 42.0 | 46.5 | 45.1 | 41.7 | 35.3 | 47.0 | 52.0 | 49.5 |
| Other Rural Research | | | | | | | | | | |
| · Chicken Meat | 1.1 | 1.1 | 1.1 | 1.4 | 1.0 | 1.1 | 1.5 | 1.5 | 1.5 | 1.8 |
| · Cotton | 3.4 | 3.5 | 4.1 | 4.2 | 2.0 | 2.2 | 3.4 | 4.6 | 10.3 | 9.7 |
| · Dairying | 16.3 | 31.0 | 31.0 | 31.0 | 28.0 | 27.3 | 28.3 | 30.2 | 30.9 | 30.8 |
| · Egg Industry | 5.3 | 4.4 | 4.4 | 4.1 | 0.8 | 0.9 | 1.1 | 1.7 | 2.0 | 2.0 |
| · Forestry | 3.8 | 3.8 | 3.8 | 3.6 | 4.6 | 5.2 | 5.1 | 5.2 | 5.2 | 5.4 |
| · Grape and Wine | 7.7 | 7.9 | 7.9 | 13.2 | 9.9 | 12.5 | 12.1 | 11.2 | 11.2 | 10.7 |
| · Honey | 0.2 | 0.2 | 0.2 | 0.5 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 |
| · Pig Industry | 13.3 | 13.5 | 13.5 | 12.1 | 3.2 | 4.0 | 3.7 | 4.6 | 4.7 | 4.8 |
| · Sugar | 5.5 | 5.5 | 5.5 | 5.1 | 4.8 | 4.5 | 4.1 | 3.8 | 3.9 | 4.2 |
| Rural Industries R&D Corporation | 0.0 | 2.6 | 3.0 | 4.9 | 0.8 | 0.4 | 1.8 | 2.4 | 4.3 | 4.9 |
| Total | 218.5 | 230.8 | 237.9 | 222.0 | 227.4 | 215.8 | 230.0 | 256.5 | 295.2 | 277.1 |

Table 4 (page 5)

Notes:

- 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. Following the 2002 Review of Higher Education, the Australian Government announced a package of new higher education policies, to be implemented between 2004 and 2008. The legislation to give effect to the reform package, the Higher Education Support Act 2003 (HESA), was passed by Parliament on 5 December 2003. As a result, this estimate is no longer consistent with the implementation of the new funding arrangements for higher education institutions under the provisions of the HESA and has not been included from 2004-05 onwards.
- f. Includes funding to the Learned Academies and ACOLA, CHASS, FASTS, ACCP and ANZAAS under the Higher Education Research Promotion program.
- g. 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.
- h. 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.
- i. This data is based on estimates of revenue forgone as published in the Taxation Expenditures Statement (TES). 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 concession or deduction, 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, (2) R&D expenditure data as reported by companies registered for the 125% rate, and (3) time series for R&D program data in Tables 2 and 3 above.
- j. 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.
- k. Treasury has advised that '...the calculation of the R&D Tax Offset 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 2010 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.'
- l. 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.
- m. Estimates of the tax benefit for VCLP and ESVCLP programs are no longer able to be reliably quantified.
- n. 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.
- o. This program has been administered as part of the Marine Research program since 2004-05.

Table 5. Australian Government Support for Science, Research and Innovation by Socio-economic Objective^a

| Socio-economic Objective ^{b,c} | 2003-04 | 2004-05 | 2005-06 | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 | Estimated Actual | Budget Estimate | % of |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|-----------------|---------------------|
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | 2011-12 | 2012-13 | 2012-13 Expenditure |
| | | | | | | | | | \$m | \$m | % |
| 01. Exploration and exploitation of the Earth | 317.6 | 330.8 | 355.1 | 386.9 | 421.0 | 439.1 | 540.5 | 466.8 | 472.1 | 524.5 | 5.9 |
| 02. Environment | 188.1 | 173.6 | 186.3 | 205.9 | 232.8 | 236.0 | 389.8 | 385.6 | 410.9 | 399.9 | 4.5 |
| 03. Exploration and exploitation of space | 5.7 | 5.1 | 4.9 | 4.7 | 4.8 | 6.2 | 53.8 | 49.3 | 46.9 | 42.6 | 0.5 |
| 04. Transport, telecommunication and other infrastructures | 89.8 | 103.4 | 120.8 | 123.7 | 129.6 | 140.1 | 180.9 | 277.3 | 367.9 | 328.1 | 3.7 |
| 05. Energy | 133.0 | 151.1 | 195.3 | 219.5 | 263.8 | 384.6 | 429.5 | 444.7 | 559.7 | 581.4 | 6.5 |
| 06. Industrial production and technology | 1,260.1 | 1,235.0 | 1,369.3 | 1,468.9 | 1,611.9 | 1,689.9 | 1,809.1 | 1,632.4 | 1,930.4 | 1,579.4 | 17.7 |
| 07. Health | 511.2 | 522.7 | 835.2 | 1,125.4 | 836.0 | 1,054.4 | 1,034.1 | 1,285.8 | 1,371.4 | 1,244.9 | 13.9 |
| 08. Agriculture | 436.6 | 444.8 | 480.8 | 492.5 | 515.8 | 534.9 | 548.3 | 543.9 | 589.6 | 580.1 | 6.5 |
| 09. Education ^d | 13.9 | 15.9 | 16.6 | 17.6 | 19.4 | 20.4 | 21.0 | 22.8 | 21.6 | 23.8 | 0.3 |
| 10. Culture, recreation, religion and mass media ^d | 72.7 | 72.5 | 88.3 | 111.5 | 125.9 | 148.1 | 164.4 | 87.6 | 98.1 | 100.9 | 1.1 |
| 11. Political and social systems, structures and processes ^d | 103.9 | 119.0 | 128.1 | 133.1 | 149.3 | 174.3 | 203.6 | 289.8 | 330.5 | 398.9 | 4.5 |
| 12. General advancement of knowledge: R&D financed from General University Funds (GUF) | 1,606.9 | 1,178.0 | 1,347.5 | 1,233.8 | 1,224.0 | 1,240.9 | 1,322.9 | 1,477.2 | 1,590.4 | 1,700.0 | 19.0 |
| 13. General advancement of knowledge: R&D financed from other sources | 611.6 | 553.5 | 560.1 | 629.4 | 619.4 | 652.4 | 828.0 | 1,033.8 | 957.4 | 946.3 | 10.6 |
| 14. Defence | 320.3 | 345.1 | 386.8 | 447.0 | 451.6 | 442.9 | 480.4 | 477.8 | 523.4 | 484.0 | 5.4 |
| Total | 5,671.4 | 5,250.5 | 6,075.1 | 6,600.0 | 6,605.3 | 7,164.1 | 8,006.3 | 8,474.8 | 9,270.3 | 8,934.7 | 100.0 |

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. 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 Programmes 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'.