



# Reference list

## Introduction

1. Australian Government (2016) *Australian Innovation System Report*, Office of the Chief Economist, viewed 28 October 2016 [www.industry.gov.au/innovationreport](http://www.industry.gov.au/innovationreport)
2. OECD (2005) *Oslo manual: guidelines for collecting and interpreting innovation data*, 3rd edition, OECD and European Commission.
3. See a review of innovation systems definitions in Deloitte Access Economics and Business Council of Australia (2014) *Australia's innovation imperative*, pp. 7–8 and the appendix.

## Chapter 1

4. OECD (2016) *Oslo Manual: Guidelines for Collecting and Interpreting Innovation Data*, 3rd Edition, OECD, viewed 14 September 2016, <http://www.oecd.org/innovation/inno/oslomanualguidelinesforcollectingandinterpretinginnovationdata3rdedition.htm>
5. OECD (2015) *Frascati Manual 2015: Guidelines for Collecting and Reporting Data on Research and Experimental Development*, OECD Publishing
6. OECD (2009) *Innovation in Firms: A Microeconomic Perspective*, OECD Publishing
7. University of Tasmania (2016) *New Evidence on the Frequency, Impacts and Costs of Activities to Develop Innovations in Australian Businesses*, *Australian Innovation Research Centre*, viewed 14 September 2016, <http://www.utas.edu.au/australian-innovation-research-centre/research/business-sector-innovation/innovation-impacts>
8. Bloom, N. et al. (2014) *The new empirical economics of management*, NBER Working Paper 20102
9. Mason C & Brown R (2014) *Entrepreneurial Ecosystems and Growth Oriented Entrepreneurship*. OECD & LEED Publishing; World Economic Forum (2013) *Entrepreneurial Ecosystems around the Globe and Company Growth Dynamics*, World Economic Forum
10. Markley DM, Lyons TS & Macke DW (2015) *Creating Entrepreneurial Communities: Building Community Capacity for Ecosystem Development*, *Community Development*, 46(5), pp. 580–598
11. theSPACE (2016) *theSPACE is Far North Queensland's Innovation & Startup Hub*, *theSPACE*, viewed 14 September 2016, <https://thespace Cairns.com/>
12. Fagerberg J (2013) *Innovation: a new guide*, *Working Papers on Innovation Studies* 20131119, Centre for Technology, Innovation and Culture, University of Oslo.

## Chapter 2

13. UN Economic Commission for Europe (2007) *Creating a conducive environment for higher competitiveness and effective national innovation systems: lessons learned from the experiences of UNECE countries*, United Nations, New York & Geneva, pp. 9–37; Urbancová H (2013) *Competitive advantage achievement through innovation and knowledge*, *Journal of Competitiveness* 5(1), pp. 82–96; and OECD (2015) *Science, technology and industry scoreboard 2015*, OECD Publishing; Solow RM (1957) *Technical change and the aggregate production function*, *Review of Economics and Statistics* 39(3), pp. 312–320; McCloskey D (2012) *Bourgeois Dignity: Some Schumpeterian Themes*, keynote speech at 14th Joseph Schumpeter Conference, Brisbane, July 2012; Rosenberg N et al. (1992) *Technology and the wealth of nations*, Stanford University Press; and Verspagen B 2005, *Innovation and economic growth*. In Fagerberg J, Mowery DC & Nelson RR (eds.), *The Oxford handbook of innovation*, Oxford University Press
14. OECD (2015) *The OECD Innovation Strategy 2015*, OECD Publishing
15. Hall BH (2011) *Innovation and productivity*, Nordic Economic Policy Conference on Productivity and Competitiveness; Soames L et al. (2011) *Competition, innovation and productivity in Australian businesses*, Productivity Commission and Australian Bureau of Statistics Research Paper, ABS catalogue no. 1351.0.55.035, Canberra; and Hashi I & Stojčić N (2013) *The impact of innovation activities on business performance using a multi-stage model: evidence from the Community Innovation Survey 4*, *Research Policy* 42, pp. 353–366; Fagerberg J (2013) *Innovation: a new guide*, Working Papers on Innovation Studies 20131119, Centre for Technology, Innovation and Culture, University of Oslo.
16. Business Council of Australia (2014) *Building Australia's innovation system*, submission to the Senate Economics Committee Inquiry into the Australia Innovation System
17. Bloom N, Draca M & Van Reenen J (2012) *Trade-induced technological change? The impact of Chinese imports on innovation, diffusion of IT and productivity*, National Bureau of Economic Research working paper 16717
18. This argument is based on many evolutionary economics studies. Nelson R & Winter S (1982) *An evolutionary theory of economic change*, Belknap Press, Cambridge, MA; and the works of Joseph Schumpeter (1934, 1942). Australian evidence comes from Parham D (2002) *The role of exit and entry in Australian productivity growth*, OECD Science, Technology and Industry Working Papers 2002/06, OECD Publishing; Foster et al. (2005) *Reallocation, business turnover and efficiency: selection on productivity or profitability?* NBER Working Papers 11555; and, Hendrickson L, Bucifal S, Balaguer A and Hansell D (2015) *The employment dynamics of Australian entrepreneurship*, Office of the Chief Economist Research Paper, Department of Industry and Science
19. Lydon J et al. (2014) *Compete to prosper: improving Australia's global competitiveness*, McKinsey Australia.
20. Center for International Development at Harvard University (2016) *Atlas of Economic Complexity*, 2016, URL: <http://atlas.cid.harvard.edu/>
21. Department of Industry (2014) *Australian Innovation System Report — 2014*
22. OECD (2015) *The Future of Productivity*, 2015, OECD Publishing
23. van Reenen J (1996) *The creation and capture of rents: Wages and innovation in a panel of UK companies*, *Quarterly Journal of Economics*, 11, pp. 195–226

24. Moreno F and Coad A (2015) High-growth firms: Stylized facts and conflicting results, *Entrepreneurship Growth: Individual, Firm, and Region*, pp.187–230
  25. Hendrickson L, Bucifal S, Balaguer A, et al. (2016) Employment Dynamics of Australian Entrepreneurship: A Management Perspective, *Technology Innovation Management Review*, 6(6) pp. 33–40
  26. Hendrickson L, Bucifal S, Balaguer A, et al. (2016) Employment Dynamics of Australian Entrepreneurship: A Management Perspective, *Technology Innovation Management Review*, 6(6) pp. 33–40
  27. ABS (2013) 1218.0 — Standard Economic Sector Classifications of Australia (SESCA), 2008 (Version 1.1), *Australian Bureau of Statistics*, 11 September 2013, viewed 16 September 2016, <http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/40F31FE6397B8AA3CA257BDD001163AC?opendocument>
  28. ABS (2014) *Customised report based on the Business Characteristics Survey data commissioned by the Australian Government Department of Industry*. These relationships are statistically significant. Analysis of variance tests show the correlation between innovation and jobs growth, innovation and productivity growth, and innovation and growth in the range of goods and services being offered is highly significant ( $P < 0.0001$ ).
  29. Department of Industry (2013) *Australian Innovation System Report — 2013*, pp. 4–56
  30. Hall BH (2011) *Innovation and productivity*, Nordic Economic Policy Conference on productivity and competitiveness; Hashi I & Stojčić N (2013) The impact of innovation activities on business performance using a multi-stage model: evidence from the Community Innovation Survey 4, *Research Policy*, 42, pp. 353–366
  31. Balasubramanian N & Sivadasan J (2011) What happens when businesses patent? New evidence from US manufacturing census data, *Review of Economics and Statistics*, 93, pp. 126–46
  32. CSIRO (2015) *Australian National Outlook 2015: Living standards, resource use, environmental performance and economic activity, 1970–2050*, CSIRO
  33. OECD (2015) *OECD Innovation Strategy 2015 – An agenda for policy action*, Meeting of the OECD Council at Ministerial Level Paris, 3–4 June 2015
  34. The Conference Board (2016) *The Conference Board Total Economy Database™*, May 2016, viewed September 2016, <http://www.conference-board.org/data/economydatabase/>
- ## Chapter 3
35. CSIRO (2016) CSIRO Futures, CSIRO, viewed 14 September 2016, <https://www.csiro.au/en/Do-business/Futures>
  36. Department of Industry, Innovation and Science (2016) *Science, Research and Innovation Budget Tables 2016–17*, <http://www.industry.gov.au/innovation/reportsandstudies/Pages/SRIBudget.aspx>
  37. Department of Industry (2014) *Australian Innovation System Report — 2014*
  38. Department of Industry (2014) *Australian Innovation System Report — 2014*; Soames L, Brunner D and Talgaswatta T (2011) *Competition, Innovation and Productivity in Australian Businesses*, Productivity Commission Australian Bureau of Statistics, Research Paper, cat. no. 1351.0.55.035, ABS
  39. Australian Bureau of Statistics (ABS) (2016) *Innovation in Australian Businesses, 2014–15*, cat. no. 8158.0 <http://www.abs.gov.au/ausstats/abs@.nsf/mf/8158.0>
  40. Griliches Z (1995) R&D and Productivity: Econometric Results and Measurement Issues, In Stoneman P (ed.) *Handbook of the Economics of Innovation and Technological Change*, Blackwell
  41. Audretsch DB (2012) *Determinants of high-growth entrepreneurship*, OECD Publishing
  42. OECD (2013) *New Sources of Growth: Knowledge-Based Capital — Key Analyses and Policy Conclusions*, OECD Publishing
  43. OECD (2015) *Frascati Manual 2015: Guidelines for Collecting and Reporting Data on Research and Experimental Development*, OECD Publishing
  44. Galindo-Rueda F and Verger F (2016) *OECD Taxonomy of Economic Activities Based on R&D Intensity*, OECD Science, Technology and Industry Working Papers, 2016/04, OECD Publishing
  45. Department of Industry, Innovation and Science, (2016) National Innovation Map, *Australian Government*, viewed 14 September 2016, <http://www.industry.gov.au/Office-of-the-Chief-Economist/Publications/Pages/Nat-Innovation-Map.aspx>

## Chapter 4

46. OECD (2010) *The OECD innovation strategy: getting a head start on tomorrow*, OECD Publishing; ACOLA (2014) The role of science, research and technology in lifting Australian productivity, Securing Australia's future Project 4 final report, [www.acola.org.au](http://www.acola.org.au); Microsoft Australia (2014) Joined-up innovation, discussion paper, [www.microsoft.com/enterprise/en-au/business-leaders/joined-up-innovation/default.aspx](http://www.microsoft.com/enterprise/en-au/business-leaders/joined-up-innovation/default.aspx).
47. Department of Industry (2014) *Australian Innovation System Report — 2014*, p.126
48. Vinding AL (2006) Absorptive capacity and innovative performance: a human capital approach, *Economics of Innovation and New Technology* 15, pp. 507–517
49. Lane PJ, Salk JE and Lyles MA (2001) Absorptive capacity, learning, and performance in international joint ventures, *Strategic management journal*, 22(12), pp.1139–1161
50. Australian Government (2016) *National Science and Research Commercialisation*, viewed 28 October 2016 <http://www.industry.gov.au/innovation/NSRC/Pages/default.aspx>
51. Lane P, & Lubatkin M (1998) Relative absorptive capacity and interorganizational learning. *Strategic Management Journal*, 19(5), pp. 461–477; Lane PJ, Salk JE and Lyles MA (2001) Absorptive capacity, learning, and performance in international joint ventures, *Strategic management journal*, 22(12), pp 1139–1161
52. Yiu D & Lau CM (2008). Corporate entrepreneurship as resource capital configuration in emerging market firms, *Entrepreneurship Theory and Practice*, 32, pp. 37–58; Zahra S (2007) Contextualizing theory building in entrepreneurship research. *Journal of Business Venturing*, 22(3), pp. 433–452
53. Zahra SA & George G (2002) Absorptive capacity: a review, reconceptualization, and extension, *Academy of Management Review* 27(2), pp. 185–203; Cohen WM, Levinthal DA. Absorptive capacity: a new perspective on learning and innovation, *Administrative Science Quarterly*, 35, pp. 128–152
54. Vinding AL (2006) Absorptive capacity and innovative performance: a human capital approach, *Economics of Innovation and New Technology* 15, pp. 507–517; Department of Industry (2013) *Australian Innovation System Report — 2013*, pp. 54–55
55. OECD (2015) *OECD Science, Technology and Industry Scoreboard 2015*, OECD Publishing, pp. 142.
56. OECD (2014) *Main science and technology indicators*, OECD Publishing
57. OECD (2014) *Main science and technology indicators*, OECD Publishing

## Chapter 5

58. OECD (2016) *Back to Work: Australia: Improving the Re-employment Prospects of Displaced Workers*, OECD Publishing
59. NAB Group Economics (2016) *NAB Quarterly Business Survey – June Quarter 2016*, National Australia Bank
60. Singer S, Amorós JE, Arreola DM and Global Entrepreneurship Research Association (2015) *Global Entrepreneurship Monitor 2014 Global Report*, Babson College, Universidad del Desarrollo, Universiti Tun Abdul Razak, Tecnológico de Monterrey, p. 80
61. Shane S (2009) Why encouraging more people to become entrepreneurs is bad public policy, *Small business economics*, 33(2), pp.141–149, 143
62. Department of Industry (2014) *Australian Innovation System Report — 2014*
63. Soames L, Bruncker D and Talgaswatta T (2011) Competition, innovation and productivity in Australian businesses, *Productivity Commission and Australian Bureau of Statistics joint research paper*
64. Falvey R, Foster N and Greenaway D (2006) Trade, imitative ability and intellectual property rights, research paper, *Nottingham: The University of Nottingham*
65. McDaniel C (2014) *The relationship between international trade and patent rights: evidence for Australia's exports*, Office of the Chief Economist, IP Australia.
66. IP Australia (2016) *Australian Intellectual Property Report 2016*, Australian Government
67. Productivity Commission (2015) *Business Set-up, Transfer and Closure*, Australian Government
68. The Treasury (2014), *Financial System Inquiry Final Report*, Australian Government
69. OECD (2015) *New Approaches to SME and entrepreneurship finance: Broadening the range of instruments-Final Synthesis Report*, Working Party on SMEs and Entrepreneurship (WPSMEE)
70. ABS (2016), *Venture Capital and Later Stage Private Equity, Australia, 2014–15*, cat. no. 5678.0
71. OECD (2015) *Entrepreneurship at a Glance 2015*, OECD Publishing
72. Koske I et al. (2015) The 2013 update of the OECD's database on product market regulation: Policy insights for OECD and non-OECD countries, *OECD Economics Department Working Papers*, No. 1200, OECD Publishing
73. Department of Industry, Innovation and Science (2015) *Australian Industry Report — 2015*
74. Landau I, O'Connell A and Ramsay I (2013), *Incentivising Employees: The theory, policy and practice of employee share ownership plans in Australia*, Melbourne University Press
75. Sesil JC, Kroumova MK & Kruse DL; Blasi J (2004) *Broad-based Employee Stock Options in the US: Company Performance and Characteristics*; Sesil JC & Lin YP (2011) The Impact of Employee Stock Option Adoption and Incidence on Productivity: Evidence from U.S. Panel Data, *Industrial Relations: A Journal of Economy and Society* 50(3), pp. 514–534; Chang X, Fu K, Low A, Zhang W (2015) Non-executive employee stock options and corporate innovation, *Journal of Financial Economics* 115(1), pp. 168–188
76. Senate Standing Committees on Economics (2009) *Inquiry into the Employee Share Schemes*, Parliament of Australia; House of Representatives Standing Committee on Employment, Education and Workplace Relations (2000) *Shared Endeavours: Employee share ownership in Australia*, Parliament of Australia

77. House of Representatives Standing Committee on Employment, Education and Workplace Relations (2000) *Shared Endeavours: Employee share ownership in Australia*, Parliament of Australia
78. Landau I, O'Connell A and Ramsay I (2013), *Incentivising Employees: The theory, policy and practice of employee share ownership plans in Australia*, Melbourne University Press
79. Australian Government (2016) *Australian Innovation System Report*, Office of the Chief Economist, viewed 14 September 2016, <http://www.industry.gov.au/Office-of-the-Chief-Economist/Publications/Pages/Australian-Innovation-System.aspx>
80. McGowan MA & Andrews D (2015) Skills Labour Market mismatch and labour productivity: Evidence from PIAAC data, *OECD Economics Department Working Papers* No. 1209, OECD Publishing
81. Ghemawat P & Altman SA (2014), *DHL Global Connectedness Index 2014*, DHL, p. 12
82. Munro K (2016) Investment in research driving improvements in Australian universities' QS World University Rankings, *The Canberra Times*, 6 September 2016, viewed 7 September 2016, <http://www.canberratimes.com.au/national/education/investment-in-research-driving-improvements-in-australian-universities-global-rankings-20160902-gr7hbd.html>
83. OECD (2015) *Science, Technology and Industry Scoreboard 2015*, OECD Publishing
84. Australian Government (2016) Welcome to the ideas boom, *National Innovation and Science Agenda*, viewed 13 September 2016, <http://www.innovation.gov.au/>
85. Department of Innovation, Industry, Science and Research (2011) *Australian Innovation System Report — 2011*, DIISR; Department of Industry, Innovation, Science, Research and Tertiary Education (2012) *Australian Innovation System Report — 2012*
86. Soriano F, Rotaru C & Dzhumasheva, S (2012) *Propensity Score Matching: An Application Using the ABS Business Characteristics Survey*, ABS
87. Griliches Z (1984) *Introduction to R&D, Patents, and Productivity*, University of Chicago Press; Goto A and Suzuki K (1989) R&D capital, rate of return on R&D investment and spillover of R&D in Japanese manufacturing industries, *The Review of Economics and Statistics*, pp.555–564; Terleckyj NE (1980) What Do R&D Numbers Tell Us about Technological Change?, *The American Economic Review*, 70(2), pp.55–61; Scherer FM (1982) Inter-industry technology flows and productivity growth, *The Review of Economics and Statistics*, pp.627–634; Griliches Z and Lichtenberg F (1984) Inter-industry technology flows and productivity growth: A re-examination, *The Review of Economics and Statistics*, pp 324–329
88. Elnasri A and K. Fox (2014) *The Contribution of Research and Innovation to Productivity and Economic Growth*, UNSW Australian School of Business Research Paper No 8, 2014.
89. Bloom N, Griffith R and Van Reenen J (2002) Do R&D tax credits work? Evidence from a panel of countries 1979–1997, *Journal of Public Economics*, 85(1), pp.1–31
90. Alvarez R, Bravo-Ortega C & Poniachik D (2015) *Empirical Evidence on R&D Targeting and Transitions*, Faculty of Business and Economics Working Paper Series SDT 402, University of Chile
91. Department of Industry, Innovation and Science (2016) Business Longitudinal Analysis Data Environment (BLADE), *Department of Industry, Innovation and Science*, viewed 16 September 2016, <http://www.industry.gov.au/Office-of-the-Chief-Economist/Data/Pages/Business-Longitudinal-Analytical-Data-Environment.aspx>