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| Natural Environment Climate Change Adaptation Action Plan 2022-2026 |
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| Supporting document – Further reading |

List of further reading

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| **TOPIC**  | **FURTHER READING** |
| Biodiversity and climate change overviews | [Dunlop M., Hilbert D.W., Ferrier S., House A., Liedloff A., Prober S.M., Smyth A., Martin T.G., Harwood T., Williams K.J., Fletcher C., and Murphy H. (2012) *The Implications of Climate Change for Biodiversity Conservation and the National Reserve System: Final Synthesis*. A report prepared for the Department of Sustainability, Environment, Water, Population and Communities, and the Department of Climate Change and Energy Efficiency. CSIRO Climate Adaptation Flagship, Canberra.](https://publications.csiro.au/rpr/download?pid=csiro:EP105380&dsid=DS4)[Urban, M. C., Bocedi, G., Hendry, A. P., Mihoub, J.-B., Pe’er, G., Singer, A., Bridle, J. R., Crozier, L. G., De Meester, L., Godsoe, W., Gonzalez, A., Hellmann, J. J., Holt, R. D., Huth, A., Johst, K., Krug, C. B., Leadley, P. W., Palmer, S. C. F., Pantel, J. H., Schmitz, A., Zollner, P. A. and Travis, J. M. J. (2016) Improving the forecast for biodiversity under climate change *Science* **353**(6304): 1113-1122.](https://science.sciencemag.org/content/353/6304/aad8466.full)[Staudt, A., Leidner, A. K., Howard, J., Brauman, K. A., Dukes, J. S., Hansen, L. J., Paukert, C., Sabo, J. and Solorzano, L. A. (2013). The added complications of climate change: understanding and managing biodiversity and ecosystems *Front Ecol Environ* **11**(9): 494-501.](https://esajournals.onlinelibrary.wiley.com/doi/epdf/10.1890/120275) [Steffen, W., Burbidge, A. A., Hughes, L., Kitching, R., Lindenmayer D., Musgrave, W., Stafford Smith M. and Werner P. A. (2009) *Australia's biodiversity and climate change: A strategic assessment of the vulnerability of Australia's biodiversity to climate change*. A report to the Natural Resource Management Ministerial Council commissioned by the Australian Government. CSIRO Publishing.](https://www.researchgate.net/publication/285745717_Australia%27s_biodiversity_and_climate_change_A_strategic_assessment_of_the_vulnerability_of_Australia%27s_biodiversity_to_climate_change)  [Hoffman, A. A., Rymer, P. D., Byrne, M., Ruthrof, K. X., Whinam, J., McGeoch, M., Bergstrom, D. M., Guerin, G. R., Sparrow, B., Joseph, L., Hill, S. J., Andrew, N. R., Camac, J., Bell, N., Riegler, M., Gardner, J. L. and Williams, S. E. (2019) Impacts of recent climate change on terrestrial flora and fauna: Some emerging Australian examples *Austral Ecology* **44:** 3-27.](https://onlinelibrary.wiley.com/doi/10.1111/aec.12674) |
| Abrupt ecosystem change | [Bergstrom, D. M. et al. (2021) Combating ecosystem collapse from the tropics to the Antarctic *Global Change Biology* **27**(9):1692-1703.](https://onlinelibrary.wiley.com/doi/10.1111/gcb.15539) [Godfree, R. C., Knerr, N., Godfree, D. Busby, J., Robertson, B. and Encinas-Viso, F. (2019) Historical reconstruction unveils the risk of mass mortality and ecosystem collapse during pancontinental megadrought *PNAS* **116**(31):15580-15589](https://www.pnas.org/content/116/31/15580) |
| Changes in species distribution and abundance and timing of lifecycle events | [Pecl, G. T. et al. (2017) Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being *Science* **355**(6332): 1389-1398.](https://science.sciencemag.org/content/355/6332/eaai9214) [Olsen, P. (2007) Australia’s birds 2007. Birds in a Changing Climate. Supplement to *Wingspan* **14**.](https://www.environment.gov.au/system/files/resources/ce43673c-a28e-4cdf-8541-c5d60cd9efb0/files/birds-07.pdf)[Lindenmayer, D, B., Lane, P., Foster, C. N., Westgate, M. J., Sato, C. Ikin, K., Crane, M., Michael, D., Florance, D, and Scheele, B. C. (2018) Do migratory and resident birds differ in their responses to interacting effects of climate, weather and vegetation? *Diversity and Distributions* **25**:449-461.](https://onlinelibrary.wiley.com/doi/10.1111/ddi.12874)  |
| Impacts on terrestrial ecosystems (including bushfires) | [Ecological Society of Australia (2018) *Fire-driven loss of obligate seeder forests in the Alps*](https://www.ecolsoc.org.au/?hottopic-entry=fire-driven-loss-of-obligate-seeder-forests-in-the-alps) [Department of Environment Land Water and Planning (2019) *Bushfire-affected Alpine Ash forests given a helping hand*](https://www.delwp.vic.gov.au/media-centre/media-releases/bushfire-affected-alpine-ash-forests-given-a-helping-hand) [Hale, S. et al. (2016) Fire and climatic extremes shape mammal distributions in a fire-prone landscape *Diversity and Distributions* **22**(11):1127-1138](https://onlinelibrary.wiley.com/doi/full/10.1111/ddi.12471) [Williams R. J. et al (2009) *Interactions between climate change, fire regimes and biodiversity in Australia – a preliminary assessment*. Report to the Department of Climate Change and Department of the Environment, Water, Heritage and the Arts, Canberra.](https://www.environment.gov.au/climate-change/adaptation/publications/fire-regimes) [Slatyer R. (2010) Climate change impacts on Australia’s alpine ecosystems *The ANU Undergraduate Research Journal* **2:**81-97.](http://press-files.anu.edu.au/downloads/press/n1676/pdf/ch05.pdf) [Fenner School of Environment Society (2020) *Dieback* Australian National University](https://www.saveoursnowgum.org/dieback)  |
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| Invasive species and disease | [Low, T. (2008) *Climate Change and Invasive Species. A Review of Interactions November 2006 Workshop Report* Commonwealth of Australia](https://www.environment.gov.au/system/files/resources/ab5b298b-7374-4bea-a613-2ffa6fac63fe/files/interactions-cc-invasive.pdf)[Ogden, L. E. (2018) Climate change, pathogens and people: The challenges of monitoring a moving target *BioScience* **68**(10):733–739](https://doi.org/10.1093/biosci/biy101)[Daszak, P., Cunningham, A. A. and Hyatt, A. D. (2000) Emerging infection diseases of wildlife – threats to biodiversity and human health *Science* **287**(5452): 443-449.](https://science.sciencemag.org/content/287/5452/443.full)[Australian Government (2018)](http://www.environment.gov.au/system/files/resources/ee1f3b9f-6e2e-4a01-86f3-6abb167fb443/files/tap-phytophthora-cinnamomi-2018-background.pdf) *[Background document:](http://www.environment.gov.au/system/files/resources/ee1f3b9f-6e2e-4a01-86f3-6abb167fb443/files/tap-phytophthora-cinnamomi-2018-background.pdf)**[Threat abatement plan for disease in natural](http://www.environment.gov.au/system/files/resources/ee1f3b9f-6e2e-4a01-86f3-6abb167fb443/files/tap-phytophthora-cinnamomi-2018-background.pdf)**[ecosystems caused by Phytophthora cinnamomi](http://www.environment.gov.au/system/files/resources/ee1f3b9f-6e2e-4a01-86f3-6abb167fb443/files/tap-phytophthora-cinnamomi-2018-background.pdf)*[(Commonwealth of Australia)](http://www.environment.gov.au/system/files/resources/ee1f3b9f-6e2e-4a01-86f3-6abb167fb443/files/tap-phytophthora-cinnamomi-2018-background.pdf)[Department of Sustainability and Environment (2008) *Victoria’s Public Land Phytophora cinnamomi Management Strategy* (State Government of Victoria).](http://lakeshub.com/wp-content/uploads/2013/04/Phytophthora_cinnamomi_Strategy-1.pdf) |
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| Supporting adaptation of the natural environment | [Stein, B. A., Staudt, A., Cross, M. S., Dubois, N. S., Enquist, C., Griffis, R., Hansen, L. J., Hellman, J. J., Lawler, J. J., Nelson, E. J. and Pairis, A. (2013) Preparing for and managing change: climate adaptation for biodiversity and ecosystems *Front Ecol Environ* **11**(9): 502-510.](https://esajournals.onlinelibrary.wiley.com/doi/full/10.1890/120277)[Prober, S. M., Doerr, V. A. J., Broadhurst, L. M., Williams, K. J. and Dickson, F. (2019) Shifting the conservation paradigm: a synthesis of options for renovating nature under climate change *Ecological Monographs* **89**(1)](https://doi.org/10.1002/ecm.1333)[Colloff, M. J., Lavorel, S., van Kerkhoff, L. E., Wyborn, C. A., Fazey, I., Gorddard, R., Mace, G. M., Foden, W. B., Dunlop, M., Prentice, I. C., Crowley, J., Leadley, P. and Degeorges, P. (2017) Transforming conservation science and practice for a postnormal world *Conservation Biology* **31**(5): 1008-1017.](https://conbio.onlinelibrary.wiley.com/doi/full/10.1111/cobi.12912)[Garnett, S., Franklin, D., Ehmke, G., VanDerWal, J., Hodgson, L., Pavey, C., Reside, A., Welbergen, J., Butchart, S., Perkins, G. and Williams, S (2013) *Climate change adaptation strategies for Australian birds* National Climate Change Adaptation Research Facility, Gold Coast, pp. 109.v](https://people.csiro.au/-/media/People-Finder/P/C/Chris-Pavey/Garnett-et-al-2013-NCCARF.pdf) |