

Resource Summary Report

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Australian Government Bureau of Meteorology

RRID:SCR_007158

Type: Tool

Proper Citation

Australian Government Bureau of Meteorology (RRID:SCR_007158)

Resource Information

URL: <http://www.bom.gov.au/>

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Description: The Bureau of Meteorology is Australia's national weather, climate and water agency. Its expertise and services assist Australians in dealing with the harsh realities of their natural environment, including drought, floods, fires, storms, tsunamis and tropical cyclones. Through regular forecasts, warnings, monitoring and advice spanning the Australian region and Antarctic territory, the Bureau provides one of the most fundamental and widely used services of government. The Bureau contributes to national social, economic, cultural and environmental goals by providing observational, meteorological, hydrological and oceanographic services and by undertaking research into science and environment related issues in support of its operations and services. The Bureau of Meteorology operates under the authority of the Meteorology Act 1955 and the Water Act 2007 which provide the legal basis for its activities, while its operation is continually assessed in accordance with the national need for climatic records, water information, scientific understanding of Australian weather and climate and effective service provision to the Australian community. The Bureau of Meteorology must also fulfill Australia's international obligations under the Convention of the World Meteorological Organization (WMO) and related international meteorological treaties and agreements.

Abbreviations: AU BOM

Synonyms: AU BOM

Resource Type: nonprofit organization

Keywords: meteorology, weather, climate, water, natural, environment, flood, fire, storm, tsunami, tropical, cyclone, economic, social, cultural, environmental, oceanographic, research, science, environment

Funding: Commonwealth of Australia

Resource Name: Australian Government Bureau of Meteorology

Resource ID: SCR_007158

Alternate IDs: nif-0000-30228, ISNI: 000000011086859X, grid.1527.1, Wikidata: Q923429

Alternate URLs: <https://ror.org/04dkp1p98>

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Ratings and Alerts

No rating or validation information has been found for Australian Government Bureau of Meteorology.

No alerts have been found for Australian Government Bureau of Meteorology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 175 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Nolan N, et al. (2026) Assessing Genetic Diversity and Inbreeding Effects in an Endangered Amphibian: Effects of Ecological Restoration and Stochasticity. Ecology and evolution, 16(5), e73649.

Shirley AK, et al. (2026) Probing the diversity in dairy cattle reticulorumen temperature for adaptation selection. Scientific reports, 16(1).

Bryceson SR, et al. (2026) Origins Under the Blowtorch: Frequent Fire Shifts the Balance Between Sunda-Origin and Sahul-Origin Plant Species in a Tropical Savanna. Ecology and evolution, 16(6), e73837.

Hereward JP, et al. (2026) Pollen Exposed to Aerial Pesticide Spray Is a Major Exposure Pathway for Stingless Bees. Ecology and evolution, 16(4), e73541.

Osunkoya OO, et al. (2025) Climate-Induced Range Shift and Risk Assessment of Emerging Weeds in Queensland, Australia. Ecology and evolution, 15(4), e71043.

Vázquez-Ramírez J, et al. (2025) Climate change may alter seed and seedling traits and shift germination and mortality patterns in alpine environments. Annals of botany, 136(3), 651.

- Wei H, et al. (2025) Changes in hydrodynamics and water quality of a subtropical meromictic urban lake. *Environmental monitoring and assessment*, 197(8), 918.
- Vázquez-Ramírez J, et al. (2025) A Drier Maternal Environment Increases Water Stress Tolerance of Alpine Seeds and Seedlings. *Ecology and evolution*, 15(10), e72247.
- Young G, et al. (2025) Artificial Waterbodies: A Valuable Source of eDNA for Detecting Threatened Birds. *Ecology and evolution*, 15(6), e71509.
- Heckscher CM, et al. (2025) Severe en route tropical weather is a predictor of morphological variation and body condition of a Nearctic-Neotropical migratory songbird. *Scientific reports*, 15(1), 25864.
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- Skelton K, et al. (2025) Hydric and Thermal Traits of Northern Australian Geckos: Water Loss Is Not Explained by Aridity. *Ecology and evolution*, 15(6), e71585.
- Haque MT, et al. (2025) Seasonal plasticity of thermal tolerance indicates resilience to future climate in Australian damselflies. *Oecologia*, 207(7), 109.
- Holmannova D, et al. (2025) Vitamin D Supplementation in the Czech Republic: Socioeconomic Determinants and Public Awareness Gaps. *Nutrients*, 17(16).
- Skinner EB, et al. (2025) Ecological suitability of Japanese encephalitis virus in Australia: A modelling analysis of vector-host transmission dynamics to potential spillover in humans. *PLoS neglected tropical diseases*, 19(11), e0013722.
- Santana MFM, et al. (2025) Predicting microplastic dynamics in coral reefs: presence, distribution, and bioavailability through field data and numerical simulation analysis. *Environmental science and pollution research international*, 32(15), 9655.
- de Tombeur F, et al. (2025) Anatomical and Trait Analyses Reveal a Silicon-Carbon Trade-Off in the Epidermis of Sedges. *Plant, cell & environment*, 48(3), 2396.
- Dimovski AM, et al. (2025) Short- and long-wavelength lights disrupt endocrine signalling but not immune function in a nocturnal marsupial. *Conservation physiology*, 13(1), coae092.
- Esperon-Rodriguez M, et al. (2025) Urban Tree Growth and Drought Responses Show Evidence of Climate Resilience. *Global change biology*, 31(6), e70281.
- Comte S, et al. (2025) Annual, seasonal, and daily space-use of Common Fallow Deer (*Dama dama*) in Australian agricultural landscapes. *Journal of mammalogy*, 106(5), 1261.