

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, tsunami 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 159 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Wei H, et al. (2025) Changes in hydrodynamics and water quality of a subtropical meromictic urban lake. Environmental monitoring and assessment, 197(8), 918.

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.

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

Young G, et al. (2025) Artificial Waterbodies: A Valuable Source of eDNA for Detecting Threatened Birds. Ecology and evolution, 15(6), e71509.

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.

Bullen AF, et al. (2025) Physiological parameter changes during field anaesthesia of bandicoots. Australian veterinary journal, 103(8), 506.

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- Haque MT, et al. (2025) Seasonal plasticity of thermal tolerance indicates resilience to future climate in Australian damselflies. *Oecologia*, 207(7), 109.
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- 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.
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- Woolway RI, et al. (2024) Multivariate extremes in lakes. *Nature communications*, 15(1), 4559.
- Strain EMA, et al. (2024) Assessing the role of natural kelp forests in modifying seawater chemistry. *Scientific reports*, 14(1), 22386.
- Manawaduge CG, et al. (2024) Conservation genetics of *Notelaea lloydii* (Oleaceae) in south-eastern Queensland, Australia. *Ecology and evolution*, 14(2), e10895.
- Jiang M, et al. (2024) Microbial competition for phosphorus limits the CO₂ response of a mature forest. *Nature*, 630(8017), 660.
- Constantinoiu C, et al. (2023) Prevalence of canine heartworm infection in Queensland, Australia: comparison of diagnostic methods and investigation of factors associated with reduction in antigen detection. *Parasites & vectors*, 16(1), 63.
- Maphosa L, et al. (2023) Effect of Sowing Date and Environment on Phenology, Growth and Yield of Lentil (*Lens culinaris* Medikus.) Genotypes. *Plants (Basel, Switzerland)*, 12(3).