Resource Summary Report

Generated by NIF on May 19, 2025

WorldClim

RRID:SCR_010244
Type: Tool

Proper Citation

WorldClim (RRID:SCR_010244)

Resource Information

URL: http://worldclim.org/

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Description: A set of global climate layers (climate grids) with a spatial resolution of about 1 square kilometer. The data can be used for mapping and spatial modeling in a GIS or with other computer programs. If you are not familiar with such programs, you can try DIVA-GIS or the R raster package.

Resource Type: data set, data or information resource

Funding:

Resource Name: WorldClim

Resource ID: SCR_010244

Alternate IDs: nlx_156877

Record Creation Time: 20220129T080257+0000

Record Last Update: 20250517T055952+0000

Ratings and Alerts

No rating or validation information has been found for WorldClim.

No alerts have been found for WorldClim.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3496 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Hertel AG, et al. (2025) Human Footprint and Forest Disturbance Reduce Space Use of Brown Bears (Ursus arctos) Across Europe. Global change biology, 31(1), e70011.

Sanchez ADS, et al. (2025) Distribution and habitat of the painted tree rat (Callistomys pictus): Evaluating areas for future surveys and conservation efforts. PloS one, 20(1), e0317356.

Okely M, et al. (2025) Climate change influences on the potential geographic distribution of the invasive Asian longhorned tick, Haemaphysalis longicornis. Scientific reports, 15(1), 2266.

Ruzzier E, et al. (2025) The role of host plants, land cover and bioclimate in predicting the invasiveness of Aromia bungii on a global scale. Scientific reports, 15(1), 2353.

Xia X, et al. (2025) Orogeny and High Pollen Flow as Driving Forces for High Genetic Diversity of Endangered Acer griseum (Franch.) Pax Endemic to China. International journal of molecular sciences, 26(2).

Owens GL, et al. (2025) Shared Selection and Genetic Architecture Drive Strikingly Repeatable Evolution in Long-Term Experimental Hybrid Populations. Molecular biology and evolution, 42(1).

Yao T, et al. (2025) Relationship between secondary metabolites and ecological suitability zones for Eucommia ulmoides. PloS one, 20(1), e0317368.

Tushabe D, et al. (2025) Patterns and Drivers of Pollen Temperature Tolerance. Plant, cell & environment, 48(2), 1366.

Bowman EA, et al. (2025) Invasive Buffelgrass, Cenchrus ciliaris, Balances Opportunistic Acquisition of Foliar fungi With Host and Environmental Filtering in Its Introduced Range. Molecular ecology, 34(2), e17609.

Wu D, et al. (2025) Risk effects of environmental factors on human brucellosis in Aksu Prefecture, Xinjiang, China, 2014-2023. Scientific reports, 15(1), 2908.

Hao Y, et al. (2025) Environmental tipping points for global soil nitrogen-fixing microorganisms. iScience, 28(1), 111634.

Battlay P, et al. (2025) Rapid Parallel Adaptation in Distinct Invasions of Ambrosia Artemisiifolia Is Driven by Large-Effect Structural Variants. Molecular biology and evolution, 42(1).

Wang Y, et al. (2025) Phylogeography and genetic diversity of Ulmus elongata (Ulmaceae), a Tertiary relict tree with extremely small populations (PSESP). BMC plant biology, 25(1), 61.

Kirkland M, et al. (2025) Extreme migratory connectivity and apparent mirroring of non-breeding grounds conditions in a severely declining breeding population of an Afro-Palearctic migratory bird. Scientific reports, 15(1), 3307.

Wi?niewska K, et al. (2025) Impact of pollution on microbiological dynamics in the pistil stigmas of Orobanche lutea flowers (Orobanchaceae). Scientific reports, 15(1), 3382.

Zhou G, et al. (2025) Fire-driven disruptions of global soil biochemical relationships. Nature communications, 16(1), 1190.

Resende RT, et al. (2025) GIS-based G?×?E modeling of maize hybrids through enviromic markers engineering. The New phytologist, 245(1), 102.

An Q, et al. (2025) Global foot-and-mouth disease risk assessment based on multiple spatial analysis and ecological niche model. The veterinary quarterly, 45(1), 1.

Chen K, et al. (2025) Anthropogenic Disturbance and Climate Change Impacts on the Suitable Habitat of Sphenomorphus incognitus in China. Ecology and evolution, 15(1), e70848.

Yang F, et al. (2025) Evaluating the Impact of Climate Change on the Asia Habitat Suitability of Troides helena Using the MaxEnt Model. Insects, 16(1).