

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 16, 2026

WorldClim

RRID:SCR_010244

Type: Tool

Proper Citation

WorldClim (RRID:SCR_010244)

Resource Information

URL: <http://worldclim.org/>

Proper Citation: WorldClim (RRID:SCR_010244)

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 or information resource, data set

Resource Name: WorldClim

Resource ID: SCR_010244

Alternate IDs: nlx_156877

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260912T200330+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 5002 mentions in open access literature.

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

Veltman MA, et al. (2026) Molecular evidence reveals unsustainable harvest of wild orchids. *Current biology : CB*, 36(7), 1842.

Zhu W, et al. (2026) Phylosymbiosis and Parallel Geographical Patterns in the Gut Microbiota of Desert-Dwelling Amphibians and Reptiles. *Integrative zoology*, 21(3), 652.

Buddenhagen CE, et al. (2026) Validating a rapid algorithmic weed hazard ranking method. *Pest management science*, 82(1), 375.

Zhou H, et al. (2026) Pangenome analysis reveals the genetic mechanism underlying high-altitude adaptation in Qinghai-Xizang (Tibet) Plateau *Rhododendron*. *Journal of integrative plant biology*, 68(7), 2166.

Li M, et al. (2026) Phylogeographic and Potential Distribution of Wild Apricot (*Prunus armeniaca*) in Xinjiang: Insights From Chloroplast/Nuclear DNA and Ecological Niche Modeling. *Ecology and evolution*, 16(3), e73206.

Li J, et al. (2026) Leveraging weighted embedding and Transformer architecture to improve phenotype prediction of complex traits for crops. *Nature communications*, 17(1).

Xiong K, et al. (2026) Acquisitive plants exhibit stronger phenological shifts in response to warming: insights from meta-analysis and long-term monitoring. *Nature communications*, 17(1).

Oyebanji O, et al. (2026) Evaluating the impact of anthropogenic activities and climate change on distribution dynamics and habitat suitability of *Lophira alata* in Nigeria. *Scientific reports*, 16(1).

Chen J, et al. (2026) Predicting the Potential Distribution of *Aconitum carmichaelii* Debeaux in China Under Climate Change Using an Optimized MaxEnt Model. *Plants (Basel, Switzerland)*, 15(7).

Coleine C, et al. (2026) Genomic and Ecological Flexibility Shape the Global Distribution of a Black Fungus. *Environmental microbiology*, 28(4), e70301.

Mekonnen MB, et al. (2026) Spatiotemporal interaction of tef head smudge disease (*Curvularia* spp.) and tef (*Eragrostis tef*) in the Western Amhara Region, Ethiopia, under the moderate (SSP245) and extreme (SSP285) climate change scenarios. *PloS one*, 21(4), e0343054.

Alvarez F, et al. (2026) Hyperdominant Trees Reveal Savanna Vulnerability Under Climate Change. *Global change biology*, 32(4), e70859.

Ramiandrisoa D, et al. (2026) Impact of protected areas on deforestation in Madagascar from 2000 to 2023: A pre-analysis plan. *PloS one*, 21(2), e0342093.

Chen Y, et al. (2026) Potential Range Shifts of Two Sympatric *Fagus* Species. *Ecology and evolution*, 16(2), e72979.

Zama N, et al. (2026) Legume cover crops ameliorate soil acidity and enhance nutrient availability in South African sugarcane fields. *Scientific reports*, 16(1).

Magdy H, et al. (2026) Climate change impacts on the global potential distribution of the human flea, *Pulex irritans*, and the global health risks. *Scientific reports*, 16(1), 5944.

Wang Y, et al. (2026) Unprecedented Burning in Tropical Peatlands During the 20th Century Compared to the Previous Two Millennia. *Global change biology*, 32(3), e70717.

Stoy PC, et al. (2026) The spatial and environmental distribution of the global eddy covariance tower network. *International journal of biometeorology*, 70(4).

Kiene F, et al. (2026) Spatial Modelling of Environmental Risk Factors Influencing Schmallenberg Virus Exposure in German Sheep. *Transboundary and emerging diseases*, 2026, 7317792.

Guo H, et al. (2026) Human Activities and Climate Separately Influence the Global Dispersal and Colonization Potential of *Lantana camara* L. *Biology*, 15(10).