

Resource Summary Report

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VectorMap

RRID:SCR_016721

Type: Tool

Proper Citation

VectorMap (RRID:SCR_016721)

Resource Information

URL: <http://vectormap.si.edu/>

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Description: Collection of disease maps, and mapped collection data and distribution models for arthropod disease vector species, including mosquitoes, ticks, sand flies, mites, and fleas, as well as the hosts/reservoirs of vector-borne disease pathogens. VectorMap is modeled after MosquitoMap.

Resource Type: service resource, data or information resource, data repository, database, data access protocol, software resource, web service, storage service resource, portal

Keywords: disease, map, collection, data, distribution, model, arthropod, disease, vector, species

Related Condition: arthropod disease

Funding: US Department of Defense Global Emerging Infections Surveillance and Response System ;
Division of the Armed Forces Health Surveillance Center ;
Global Biodiversity Information System

Availability: Public, Free, Available for download, Freely available, Acknowledgement requested, Tutorial available

Resource Name: VectorMap

Resource ID: SCR_016721

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260729T044425+0000

Ratings and Alerts

No rating or validation information has been found for VectorMap.

No alerts have been found for VectorMap.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Gabriel ANA, et al. (2025) Geospatial and modelling analyses reveal diverse tick and tick-associated microbes in the East African Community. *Infectious diseases of poverty*, 14(1), 39.

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.

Kelly PH, et al. (2025) Variables for habitat and vertebrate hosts of *Ixodes scapularis* are the best ecological predictors of the spatial spread of Lyme disease in the United States (2010-2019). *Parasites & vectors*, 18(1), 410.

Chen J, et al. (2024) Epidemiology and Ecology of Usutu Virus Infection and Its Global Risk Distribution. *Viruses*, 16(10).

Hong XG, et al. (2024) Epidemiology and Ecology of Toscana Virus Infection and Its Global Risk Distribution. *Viruses*, 17(1).

Tang T, et al. (2024) The global distribution and the risk prediction of relapsing fever group *Borrelia*: a data review with modelling analysis. *The Lancet. Microbe*, 5(5), e442.

Kopsco HL, et al. (2023) Current and Future Habitat Suitability Models for Four Ticks of Medical Concern in Illinois, USA. *Insects*, 14(3).

Lippi CA, et al. (2023) Characterizing the Vector Data Ecosystem. *Journal of medical entomology*, 60(2), 247.

Nie P, et al. (2023) Niche and Range Shifts of *Aedes aegypti* and *Ae. albopictus* Suggest That the Latecomer Shows a Greater Invasiveness. *Insects*, 14(10).

Polsomboon Nelson S, et al. (2022) Ticks (Acari: Ixodidae) and Associated Pathogens Collected From Domestic Animals and Vegetation in Stann Creek District, Southeastern Belize, Central America. *Journal of medical entomology*, 59(5), 1749.

Celone M, et al. (2022) An ecological niche model to predict the geographic distribution of *Haemagogus janthinomys*, Dyar, 1921 a yellow fever and Mayaro virus vector, in South America. *PLoS neglected tropical diseases*, 16(7), e0010564.

Martin JT, et al. (2022) Ecological Predictors of Zoonotic Vector Status Among Dermacentor Ticks (Acari: Ixodidae): A Trait-Based Approach. *Journal of medical entomology*, 59(6), 2158.

Gorris ME, et al. (2021) Updated distribution maps of predominant *Culex* mosquitoes across the Americas. *Parasites & vectors*, 14(1), 547.

Salje J, et al. (2021) Rickettsial infections: A blind spot in our view of neglected tropical diseases. *PLoS neglected tropical diseases*, 15(5), e0009353.

Hwang MJ, et al. (2020) Comparison of climatic factors on mosquito abundance at US Army Garrison Humphreys, Republic of Korea. *PloS one*, 15(10), e0240363.

Irish SR, et al. (2020) Updated list of *Anopheles* species (Diptera: Culicidae) by country in the Afrotropical Region and associated islands. *Zootaxa*, 4747(3), zootaxa.4747.3.1.

Gorsich EE, et al. (2019) A comparative assessment of adult mosquito trapping methods to estimate spatial patterns of abundance and community composition in southern Africa. *Parasites & vectors*, 12(1), 462.

Pascoe EL, et al. (2019) Modeling Potential Habitat for *Amblyomma* Tick Species in California. *Insects*, 10(7).

Gálvez R, et al. (2017) Modelling the current distribution and predicted spread of the flea species *Ctenocephalides felis* infesting outdoor dogs in Spain. *Parasites & vectors*, 10(1), 428.

Longbottom J, et al. (2017) Mapping the spatial distribution of the Japanese encephalitis vector, *Culex tritaeniorhynchus* Giles, 1901 (Diptera: Culicidae) within areas of Japanese encephalitis risk. *Parasites & vectors*, 10(1), 148.