

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/>

Proper Citation: VectorMap (RRID:SCR_016721)

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

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: 20260805T044359+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 [RRID](#) .

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.