



Supplementary Materials

Environmental and Household-Based Spatial Risks for Tungiasis in an Endemic Area of Coastal Kenya

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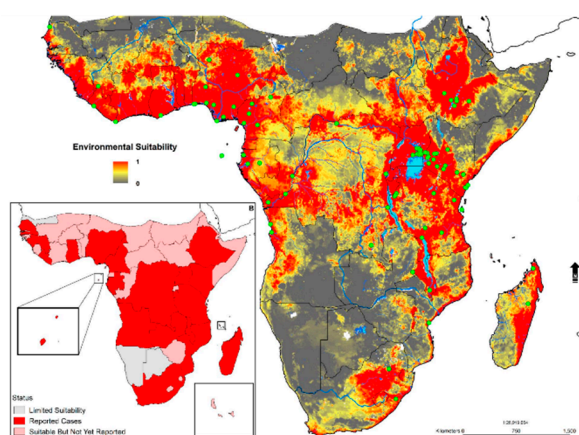
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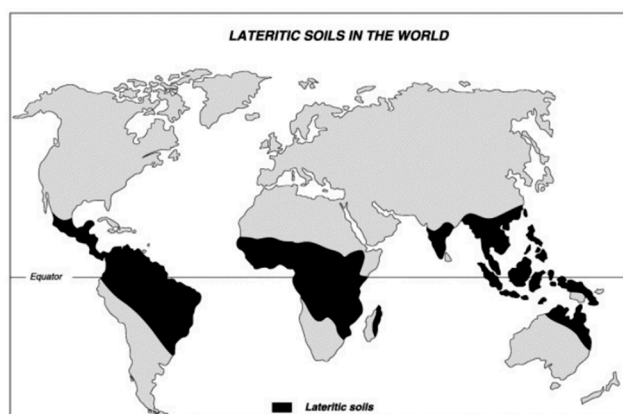
Table S1. Ecological data used in the analysis and its sources and details.

Variable	Data source	Resolution	Year/Version	Data identifier	URL
NDVI	NASA LP DAAC	250 m	2011	MOD13Q1	https://earthengine.google.com/
Land cover	NASA LP DAAC	500 m	2011	MCD12Q1	https://earthengine.google.com/
TWI	created by the authors using ASTER GDEM METI/NASA (ASTER GDEM)	30 m (ASTER GDEM)	Version 3 (ASTER GDEM)	ASTGTM v003 (ASTER GDEM)	https://search.earthdata.nasa.gov/search
Elevation	JAXA	30 m	Version 3.1	AW3D30	https://www.eorc.jaxa.jp/ALOS/en/aw3d30/index.htm
Soil pH	ISRIC	250 m		SoilGrids250m 2017-03 - Soil pH in H2O 4c59ee58-a24e-4154-912e-0ff18395ac0d	https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/4c59ee58-a24e-4154-912e-0ff18395ac0d
Soil texture	ISRIC	250 m		SoilGrids250m 2017-03 - Texture class (USDA system) f9a3a4e0-27a8-4acc-861f-26c112699c3e	https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/f9a3a4e0-27a8-4acc-861f-26c112699c3e
Soil organic carbon content	ISRIC	250 m		SoilGrids250m 2017-03 - Soil organic carbon content (fine earth fraction) 076db4e8-11a9-4262-b6aa-cfa703a3c0af	https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/076db4e8-11a9-4262-b6aa-cfa703a3c0af
Aluminium content in the soil	ISRIC	250m		Africa SoilGrids nutrients - Extractable Aluminium (Al) a36f7919-0d6e-4044-902c-64a74feade6b	https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/a36f7919-0d6e-4044-902c-64a74feade6b
Iron content in the soil	ISRIC	250 m		Africa SoilGrids nutrients - Extractable Iron (Fe) 5cd5336c-2f45-4430-a9a8-312aa2095cb6	https://data.isric.org/geonetwork/srv/eng/catalog.search#/metadata/5cd5336c-2f45-4430-a9a8-312aa2095cb6
Distance to the nearest animal consevation	created by the authors				

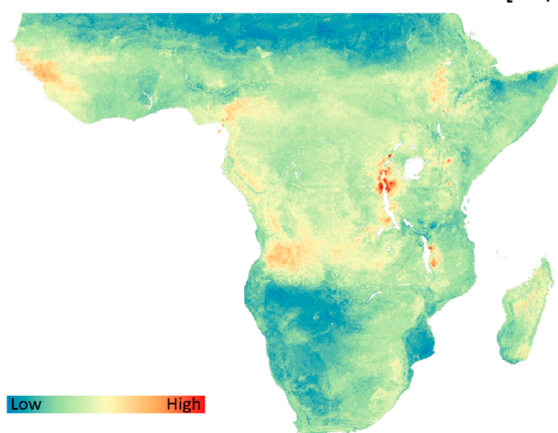
Distribution of environmental suitability for tungiasis [6]



Distribution of laterite [72]



Distribution of aluminum content in soil [30, 32]



Distribution of iron content in soil [30, 32]

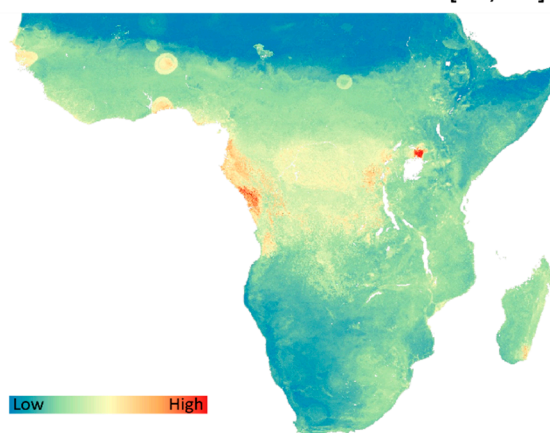


Figure S1. Distribution of environmental suitability for tungiasis, laterite, aluminum content in soil, and iron content in soil in the African continent.

References

6. Deka, M.A. Mapping the Geographic Distribution of Tungiasis in Sub-Saharan Africa. *Trop. Med. Infect. Dis.* 2020, 5, 122, <https://doi.org/10.3390/tropicalmed5030122>.
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72. Reproduced from Daniel Nahon. *Altérations dans la zone tropicale. Signification à travers les mécanismes anciens et/ou encore actuels.* *Comptes Rendus Geoscience* 2003;335(16):1109–1119. Copyright © 2003 Académie des sciences, published by Elsevier Masson SAS. All rights reserved.