

Table S1. Environmental variables used for *Cataglyphis nodus* potential habitat suitability simulation.

SI.No	Variables	Variable abbreviation	Year	Source
1	Mean annual air temperature	bio1	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
2	Mean diurnal air temperature range	bio2	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
3	Isothermality	bio3	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
4	Temperature seasonality	bio4	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
5	Mean daily maximum air temperature of the warmest month	bio5	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
6	Mean daily minimum air temperature of the coldest month	bio6	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
7	Annual range of air temperature	bio7	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
8	Mean daily mean air temperatures of the wettest quarter	bio8	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
9	Mean daily mean air temperatures of the driest quarter	bio9	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
10	Mean daily mean air temperatures of the warmest quarter	bio10	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
11	Mean daily mean air	bio11	1980-2010 2011-2040	https://chelsa-climate.org/downloads/

	temperatures of the coldest quarter		2041-2070	
12	Annual precipitation amount	bio12	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
13	Precipitation amount of the wettest month	bio13	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
14	Precipitation amount of the driest month	bio14	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
15	Precipitation seasonality	bio15	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
16	Mean monthly precipitation amount of the wettest quarter	bio16	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
17	Mean monthly precipitation amount of the driest quarter	bio17	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
18	Mean monthly precipitation amount of the warmest quarter	bio18	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
19	Mean monthly precipitation amount of the coldest quarter	bio19	1980-2010 2011-2040 2041-2070	https://chelsa-climate.org/downloads/
20	Elevation	elevation		Shuttle Radar Topography Mission
21	Enhanced vegetation index (MOD13A3)	EVI	2000-2021	https://lpdaacsvc.cr.usgs.gov/appeears
22	Day time land surface temperature	LSTD	2000-2021	https://lpdaacsvc.cr.usgs.gov/appeears
23	Night time land surface temperature (MOD11A1)	LSTN	2000-2021	https://lpdaacsvc.cr.usgs.gov/appeears
24	Normalized difference vegetation index (MOD13A3)	NDVI	2000-2021	https://lpdaacsvc.cr.usgs.gov/appeears

25	Heterotrophic respiration	RH	2015-2021	SMAP L4 https://lpdaacsvc.cr.usgs.gov/appeears
26	Root zone Soil moisture	SM	2015-2021	SMAP L4 https://lpdaacsvc.cr.usgs.gov/appeears
27	Soil organic carbon	SOC	2015-2021	SMAP L4 https://lpdaacsvc.cr.usgs.gov/appeears