**Table S1.** The 32 environmental factors used in the construction of the Trophic SDM model (including bioclimate, human disturbance, topography and vegetation)

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| Short Name | Description | Source |
| Min\_Snare\_Distance | Minimum distance to snare within a 0.1 km grid | Field data, GIS |
| River\_Distances | Distance to nearest river within a 0.1 km grid | OSM, GIS |
| Road\_Distances | Distance to nearest road within a 0.1 km grid |
| Village\_Distances | Distance to nearest village within a 0.1 km grid |
| ASPECT\_cat\_1 | Fraction of aspect category 1 (e.g., North-facing slopes) | DEM, GIS |
| ASPECT\_cat\_2 | Fraction of aspect category 2 (e.g., East-facing slopes) |
| ASPECT\_cat\_3 | Fraction of aspect category 3 (e.g., South-facing slopes) |
| ASPECT\_cat\_4 | Fraction of aspect category 4 (e.g., West-facing slopes) |
| DEM\_COP30 | Digital Elevation Model (DEM) from COPERNICUS | DEM |
| ESRI\_LULC\_cat\_11 | Land Use Land Cover category 11 (forests) | ESRI |
| ESRI\_LULC\_cat\_2 | Land Use Land Cover category 2 (rangelands/cropland) |
| SLOPE\_cat\_1 | Slope category 1 (e.g., gentle slopes, <5 degree) | DEM, GIS |
| SLOPE\_cat\_2 | Slope category 2 (e.g., moderate slopes, 5-15 degree) |
| SLOPE\_cat\_3 | Slope category 3 (e.g., steep slopes, 15-30 degree) |
| SLOPE\_cat\_4 | Slope category 4 (e.g., very steep slopes, >30 degree) |
| wc2.1\_30s\_bio\_1 | Bioclimatic variable 1 (Annual Mean Temperature) | WorldClim Data |
| wc2.1\_30s\_bio\_10 | Bioclimatic variable 10 (Mean Temperature of Warmest Quarter) |
| wc2.1\_30s\_bio\_11 | Bioclimatic variable 11 (Mean Temperature of Coldest Quarter) |
| wc2.1\_30s\_bio\_12 | Bioclimatic variable 12 (Annual Precipitation) |
| wc2.1\_30s\_bio\_13 | Bioclimatic variable 13 (Precipitation of Wettest Month) |
| wc2.1\_30s\_bio\_14 | Bioclimatic variable 14 (Precipitation of Driest Month) |
| wc2.1\_30s\_bio\_15 | Bioclimatic variable 15 (Precipitation Seasonality) |
| wc2.1\_30s\_bio\_16 | Bioclimatic variable 16 (Precipitation of Wettest Quarter) |
| wc2.1\_30s\_bio\_17 | Bioclimatic variable 17 (Precipitation of Driest Quarter) |
| wc2.1\_30s\_bio\_18 | Bioclimatic variable 18 (Precipitation of Warmest Quarter) |
| wc2.1\_30s\_bio\_2 | Bioclimatic variable 2 (Mean Diurnal Range) |
| wc2.1\_30s\_bio\_3 | Bioclimatic variable 3 (Isothermality) |
| wc2.1\_30s\_bio\_4 | Bioclimatic variable 4 (Temperature Seasonality) |
| wc2.1\_30s\_bio\_5 | Bioclimatic variable 5 (Max Temperature of Warmest Month) |
| wc2.1\_30s\_bio\_6 | Bioclimatic variable 6 (Min Temperature of Coldest Month) |
| wc2.1\_30s\_bio\_7 | Bioclimatic variable 7 (Temperature Annual Range) |
| wc2.1\_30s\_bio\_8 | Bioclimatic variable 8 (Mean Temperature of Wettest Quarter) |