Grid: Grid code

LON: longitude

LAT: latitude

AREA: area in km^2

RS: species richness of all woody plants

RS\_TREE: species richness of trees

RS\_SHRUB: species richness of shrubs

RS\_LIANA: species richness of woody lianas

Ele\_RANGE: elevational range calculated as the different between maximum and minimum elevation within each grid cell

Bio1(MAT): Annual Mean Temperature

Bio2(MDR): Mean Diurnal Range (Mean of monthly (max temp - min temp))

Bio3: Isothermality (Bio2/Bio7) (\* 100)

Bio4: Temperature Seasonality (standard deviation \*100)

Bio5(Tmax7): Max Temperature of Warmest Month

Bio6(Tmin1): Min Temperature of Coldest Month

Bio7(ART): Temperature Annual Range (Bio5-Bio6)

Bio8: Mean Temperature of Wettest Quarter

Bio9: Mean Temperature of Driest Quarter

Bio10: Mean Temperature of Warmest Quarter

Bio11: Mean Temperature of Coldest Quarter

Bio12(AP): Mean Annual Precipitation

Bio13: Precipitation of Wettest Month

Bio14: Precipitation of Driest Month

Bio15: Precipitation Seasonality (Coefficient of Variation)

Bio16: Precipitation of Wettest Quarter

Bio17: Precipitation of Driest Quarter

Bio18: Precipitation of Warmest Quarter

Bio19: Precipitation of Coldest Quarter

AET: annual actual evapotranspiration (AET) following Thornthwaite (1955)

popu\_den\_gwp: mean population density, See Wang et al. (2011) Proceedings B