Supplement S2

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| Environmental Layers | Description | Source | Website |
| Bio\_1 | Annual Mean Temperature ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_2 | Mean of monthly (max temp - min temp) ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_3 | Isothermality (BIO2/BIO7) ( \*100$℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_4 | Temperature Seasonality(standard deviation \*100$℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_5 | Max Temperature of Warmest Month ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_6 | Min Temperature of Coldest Month ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_7 | Temperature Annual Range (BIO5-BIO6) ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_8 | Mean Temperature of Wettest Quarter ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_9 | Mean Temperature of Driest Quarter ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_10 | Mean Temperature of Warmest Quarter ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_11 | Mean Temperature of Coldest Quarter ($℃$) | WorldClim | http://www.worldclim.org/ |
| Bio\_12 | Annual Precipitation (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_13 | Precipitation of Wettest Month (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_14 | Precipitation of Driest Month (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_15 | Precipitation Seasonality (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_16 | Precipitation of Wettest Quarter (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_17 | Precipitation of Driest Quarter (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_18 | Precipitation of Warmest Quarter (mm) | WorldClim | http://www.worldclim.org/ |
| Bio\_19 | Precipitation of Coldest Quarter (mm) | WorldClim | http://www.worldclim.org/ |
| Altitude | Altitude (m) | WorldClim | http://www.worldclim.org/ |
| Aspect | Aspect(°) | Derived from Alitude | http://www.worldclim.org/ |
| Slope | Slope | Derived from Alitude | http://www.worldclim.org/ |
| Landcover | Land Cover | ESA  | http://www.esa-landcover-cci.org/ |
| Disroad | Distance to roads (m) | Road layer from Natural Earth | http://www.naturalearthdata.com/ |
| Disrard | Distance to railways (m) | Rail road layer from Natural Earth | http://www.naturalearthdata.com/ |
| Disriver | Distance to Rivers (m) | River layer from Natural Earth | http://www.naturalearthdata.com/ |
| Dislake | Distance to lakes (m) | Lake layer from Natural Earth | http://www.naturalearthdata.com/ |
| Discoastline | Distance to coastline (m) | Coastline layer from Natural Earth | http://www.naturalearthdata.com/ |
| Dissettle | Distance to settlements (m) | Settle layer from Natural Earth | http://www.naturalearthdata.com/ |