

### Scheme 1. Tables. Data description and online source.

|     | Variable                                                    | Source | Code   | Unit       |
|-----|-------------------------------------------------------------|--------|--------|------------|
| 1.  | 30-arc seconds Mean annual temperature                      | 1      | BIO1   | C° x10     |
| 2.  | 30-arc seconds Mean temp warmest quarter                    | 1      | BIO10  | C° x10     |
| 3.  | 30-arc seconds Mean temp coolest quarter                    | 1      | BIO11  | C° x10     |
| 4.  | 30-arc seconds Mean annual rainfall                         | 1      | BIO12  | mm         |
| 5.  | 30-arc seconds Rainfall wettest month                       | 1      | BIO13  | mm         |
| 6.  | 30-arc seconds Rainfall driest month                        | 1      | BIO14  | mm         |
| 7.  | 30-arc seconds Rainfall seasonality                         | 1      | BIO15  | mm         |
| 8.  | 30-arc seconds Rainfall wettest quarter                     | 1      | BIO16  | mm         |
| 9.  | 30-arc seconds Rainfall driest quarter                      | 1      | BIO17  | mm         |
| 10. | 30-arc seconds Mean diurnal range in temp                   | 1      | BIO2   | C° x10     |
| 11. | 30-arc seconds Isothermality                                | 1      | BIO3   | C° x10     |
| 12. | 30-arc seconds Temperature Seasonality                      | 1      | BIO4   | C° x10     |
| 13. | 30-arc seconds Maximum temp warmest month                   | 1      | BIO5   | C° x10     |
| 14. | 30-arc seconds Minimum temp coolest month                   | 1      | BIO6   | C° x10     |
| 15. | 30-arc seconds Annual temperature range                     | 1      | BIO7   | C° x10     |
| 16. | 30-arc seconds Number of dry months                         | 1      | DM     | months     |
| 17. | 30-arc seconds Length of longest dry season                 | 1      | LLDS   | months     |
| 18. | 30-arc seconds Annual moisture index                        | 1      | MI     | index x100 |
| 19. | 30-arc seconds Moisture index arid quarter                  | 1      | MIAQ   | index x100 |
| 20. | 30-arc seconds Moisture index moist quarter                 | 1      | MIMQ   | index x100 |
| 21. | 30-arc seconds Potential evapotranspiration                 | 1      | PET    | mm         |
| 22. | 30-arc seconds Monthly precipitation                        | 1      | pr     | mm         |
| 23. | 30-arc seconds Monthly 2-metre air temperature              | 1      | tas    | C° x10     |
| 24. | 30-arc seconds Monthly average of daily maximum temperature | 1      | tasmax | C° x10     |
| 25. | 30-arc seconds Monthly average of daily minimum temperature | 1      | tasmin | C° x10     |
| 26. | 30-arc seconds digital elevation model (GTOPO30) (USGS)     | 2      | DEM    | m          |
| 27. | Slope (derived from GTOPO30)                                | 3      | Slope  | degrees    |

<sup>1</sup>[https://webfiles.york.ac.uk/KITE/AfriClim/GeoTIFF\\_30s/](https://webfiles.york.ac.uk/KITE/AfriClim/GeoTIFF_30s/);

<sup>2</sup><https://earthexplorer.usgs.gov/>; <sup>3</sup>GIS Spatial analysis