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| --- | --- | --- | --- | --- |
| Category | Data | Time span/temporal resolution | Spatial resolution | source |
| Basic data | Dem | / | 30m | https://www.gscloud.cn/search |
| Slope | / | 30m | https://www.gscloud.cn/search |
| Aspect | / | 30m | https://www.gscloud.cn/search |
| Carbon density | 2004-2014 | / | http://www.cnern.org.cn |
| Forest age | 2020 | 30m | http://www.ncdc.ac.cn |
| Historical data | The meteorological station data of China | 1991-2020/month | / | https://data.cma.cn/ |
| Land cover data | 2000、2010、2020 | 300m×300m | https://cds.climate.copernicus.eu/ |
| GDP and population data | 2000、2010、2019 | 1km×1km | https://www.resdc.cn/ |
| Future scenario data | CMIP6 climate model data (CanESM5, CNRM-ESM2-1, MIROC6 and MRI-ESM2-0) | 1840-2100/day | 2.83°× 2.78°、1.41°× 1.41°、1.41°× 1.41°、1.12°× 1.12° | https://esgf-node.llnl.gov/search/cmip6/ |
| Population and economy data under Shared Socioeconomic Pathways | 2010-2100/year | 0.5°× 0.5° | https://www.scidb.cn/en/ |