

## Data identification

|                            |   |
|----------------------------|---|
| Title                      | Longterm yearly average of direct normal irradiation - Ghana - Global Solar Atlas 2.0   |
| Date                       | 2019-10   |
| Date type                  | Publication   |
| Abstract                   | Longterm yearly average of direct normal irradiation (DNI) in kWh/m2, covering the period 1994-2018   |
| Purpose                    | Assessment of Concentrated PV (CPV) and Concentrated Solar Power (CSP) technologies, assessment of flatplate PV   |
| Unique resource identifier | 8bcda9a7-f53a-53e7-1791-3be04db290f7  |
| Supplemental information   | This data layer represents an output from the Solargis global solar model. It has been delivered for the Global Solar Atlas ( <a href="https://globalsolaratlas.info/">https://globalsolaratlas.info/</a> ), online platform funded by the Energy Sector Management Assistance Program (ESMAP), a multi-donor trust fund administered by The World Bank, under a global initiative on Renewable Energy Resource Mapping.  |
| Keywords                   | Solar resource data, DNI, direct normal irradiation, Long-term average, Solargis, World Bank, ESMAP, Global Solar Atlas   |
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## 1. Point of contact

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|                |                                      |
|----------------|--------------------------------------|
| Role           | Originator                           |
| Topic category | Climatology, meteorology, atmosphere |

## Extent

### Geographic bounding box

|             |      |
|-------------|------|
| West bound  | -4.0 |
| East bound  | 2.0  |
| South bound | 4.0  |
| North bound | 12.0 |

## Spatial resolution

|          |         |
|----------|---------|
| Units    | arc-sec |
| Distance | 9.0     |

## Lineage

|             |  |
|-------------|--|
| Statement   | Solar radiation data from satellite-based model developed by Solargis company  |
| Description | Solar radiation data is derived by Solargis algorithms (v2.1) from satellite digital images and atmospheric datasets: Meteosat PRIME and IODC by Eumetsat; GOES-East and GOES-West by NOAA; MTSAT and Himawari-8 by JMA; MACC-II/CAMS atmospheric data by ECMWF; MERRA-2 atmospheric data by NASA; GFS data by NOAA. |

|                   |                                      |
|-------------------|--------------------------------------|
| File identifier   | 86531716-4bb0-a80d-bf96-59478f6485f1 |
| Metadata language | eng                                  |
| Character set     | UTF8                                 |

## Metadata author

|                   |                     |
|-------------------|---------------------|
| Organisation name | Solargis            |
| Role              | Originator          |
| Date stamp        | 2019-10-20T00:47:27 |