

## Data identification

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title                      | Longterm yearly average of global horizontal irradiation - Rwanda - Global Solar Atlas 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Date                       | 2019-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Date type                  | Publication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Abstract                   | Longterm yearly average of daily totals of global horizontal irradiation (GHI) in kWh/m2, covering the period 1994-2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purpose                    | Reference information for the assessment of flat-plate photovoltaic and solar heating technologies (e.g. hot water)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Unique resource identifier | 86403f1e-7bf3-5253-6e2c-a1faf6b5ab9e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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, GHI, global horizontal irradiation, Long-term average, Solargis, World Bank, ESMAP, Global Solar Atlas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Legal constraints          | Copyright: Solar resource data © 2019 Solargis. The data is published in Global Solar Atlas under a Creative Commons 4.0 Attribution International license, CC BY 4.0 with the following mandatory and binding addition:<br>Any and all disputes arising under this License that cannot be settled amicably shall be submitted to mediation in accordance with the WIPO Mediation Rules 3 in effect at the time the work was published. If the request for mediation is not resolved within forty-five (45) days of the request, either You or the Licensor may, pursuant to a notice of arbitration communicated by reasonable means to the other party refer the dispute to final and binding arbitration to be conducted in accordance with UNCITRAL Arbitration Rules as then in force. The arbitral tribunal shall consist of a sole arbitrator and the language of the proceedings shall be English unless otherwise agreed. The place of arbitration shall be where the Licensor has its headquarters. The arbitral proceedings shall be conducted remotely (e.g., via telephone conference or written submissions) whenever practicable, or held at the World Bank headquarters in Washington DC. |

## 1. Point of contact

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| Role              | Owner                                                                  |

## 2. Point of contact

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

## Extent

### Geographic bounding box

|             |      |
|-------------|------|
| West bound  | 28.0 |
| East bound  | 31.0 |
| South bound | -3.0 |
| North bound | 0.0  |

## 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   | b50a1169-123a-ccfa-70a8-00d1fc610f61 |
| Metadata language | eng                                  |
| Character set     | UTF8                                 |

## Metadata author

|                   |                     |
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| Organisation name | Solargis            |
| Role              | Originator          |
| Date stamp        | 2019-10-20T01:22:06 |