

Data identification

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|----------------------------|---|
| Title | Longterm yearly average of global horizontal irradiation - Global Solar Atlas |
| Date | 2019-09 |
| Date type | Publication |
| Abstract | Longterm yearly average of daily totals of global horizontal irradiation (GHI) in kWh/m ² , from 1994/1999/2007 (depending on the region) to 2018 |
| Purpose | Reference information for the assessment of flat-plate photovoltaic and solar heating technologies (e.g. hot water) |
| Unique resource identifier | 6f46883b-b3d4-6f77-5152-d4cca9036163 |
| Supplemental information | This data layer represents an output from the Solargis global solar model. It has been delivered for the Global Solar Atlas (https://globalsolaratlas.info/), 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 |
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1. Point of contact

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2. Point of contact

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| Role | Originator |

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|----------------|--------------------------------------|
| Topic category | Climatology, meteorology, atmosphere |
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Extent

Geographic bounding box

| | |
|-------------|--------|
| West bound | -180.0 |
| East bound | 180.0 |
| South bound | -55.0 |
| North bound | 60.0 |

Spatial resolution

| | |
|----------|---------|
| Units | arc-sec |
| Distance | 30.0 |

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. |

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| File identifier | d4cae5dc-66fc-f484-ce76-dd4950ece081 |
| Metadata language | eng |
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Metadata author

| | |
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| Organisation name | Solargis |
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