

Data identification

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| Title | Longterm yearly average of diffuse horizontal irradiation - Luxembourg - Global Solar Atlas 2.0 |
| Date | 2019-10 |
| Date type | Publication |
| Abstract | Longterm yearly average of diffuse horizontal irradiation (DIF) in kWh/m2, covering the period 1994-2018 |
| Purpose | Complementary parameter to GHI and DNI |
| 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 (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, DIF, diffuse 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 | 5.0 |
| East bound | 7.0 |
| South bound | 49.0 |
| North bound | 51.0 |

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. |

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

Metadata author

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| Organisation name | Solargis |
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| Date stamp | 2019-10-20T02:33:43 |