

## Data identification

|                            |  |
|----------------------------|--|
| Title                      | Longterm yearly average of diffuse horizontal irradiation - South Africa   |
| Date                       | 2017-06  |
| Date type                  | Publication  |
| Abstract                   | Longterm yearly average of diffuse horizontal irradiation (DIF) in kWh/m2, covering the period 1994-2015   |
| Purpose                    | Complementary parameter to GHI and DNI   |
| Unique resource identifier | 388de26f-a7c7-ae34-1ebe-bdcb21b2d3cc   |
| Supplemental information   | This is an output from the contract on solar resource assessment and mapping, signed between the World Bank Group and Solargis. This activity is funded and supported 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   |
| Legal constraints          | Copyright: Solar resource data © 2017 Solargis. The data is published under a Creative Commons Attribution license (CC BY 3.0 IGO)   |

### 1. Point of contact

|                   |                          |
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### 2. Point of contact

|                   |                      |
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| Role              | Originator           |

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

## Extent

### Geographic bounding box

|             |       |
|-------------|-------|
| West bound  | 16.0  |
| East bound  | 39.0  |
| South bound | -48.0 |
| North bound | -22.0 |

### 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   | da3b3e43-4a82-ab31-614f-fdd4c1e068e1 |
| Metadata language | eng                                  |
| Character set     | UTF8                                 |

## Metadata author

|                   |                     |
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| Organisation name | Solargis            |
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| Date stamp        | 2017-06-27T15:00:05 |