

## Data identification

Title	Longterm yearly average of global horizontal irradiation - Samoa - 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 1999-2018
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
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## 1. Point of contact

Organisation name	THE WORLD BANK
Email	energydata@worldbankgroup.org
Website	<a href="http://www.esmap.org/RE_Mapping">www.esmap.org/RE_Mapping</a>
Role	Owner

## 2. Point of contact

Organisation name	Solargis
Email	<a href="mailto:company@solargis.com">company@solargis.com</a>
Website	<a href="http://solargis.com">solargis.com</a>

Role	Originator
Topic category	Climatology, meteorology, atmosphere

## Extent

### Geographic bounding box

West bound	-173.0
East bound	-171.0
South bound	-15.0
North bound	-13.0

## 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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## Metadata author

Organisation name	Solargis
Role	Originator
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