



Global solar atlas map

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Solargis releases GHI, DNI and PVOOUT maps for Google Earth in kmz format. These maps cover the whole world and can be used for fast solar feasibility studies. Maps are available for download from Global Solar Atlas - a mutual project of World Bank Group and Solargis.

Map data (e.g. PVOOUT, GHI, etc) are served as high-resolution images, provided in a format suitable for viewing and analyzing in Google Earth software. High detail of the maps reveals even very local variability of solar radiation, especially in the areas with complex terrain.

The atlas provides an access to long-term averaged yearly (for selected parameters monthly) solar, air temperature, PV power potential data and map products for almost any site on Earth.

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Delivered GIS data include eight parameters in the form of a raster data layers, providing the information on solar resource, photovoltaic power potential, air temperature and terrain elevation on global scale

Data layers are provided in Geographical coordinate system (EPSG:4326) and calculated in 30 arc-sec (nominally 1 km) resolution. On top of this, for more detailed analysis solar resource data (GHI, DIF, GTI and DNI) is also provided in 9 arc-sec (nominally 250 m) resolution. Finally, auxiliary data layer of Optimum angle features with 2 arcmin (nominally 4 km) resolution.

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