

Dates: February 26 (Wed) - 28 (Fri), 2014  
Venue: Tokyo Big Sight, Japan

Held inside **World Smart Energy Week 2014**

5th Int'l Photovoltaic Power Generation System Expo  
**PV SYSTEM EXPO**

**GEOMODEL SOLAR**

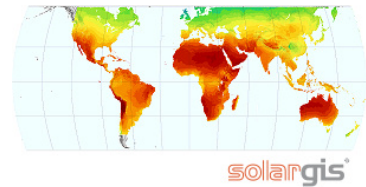
PV SYSTEM EXPO 2014 - 5th Int'l Photovoltaic Power Generation System Expo

**Product List (Manufacturer)**

**SolarGIS solar resource database**

**NEW** World's Best Daily-used New Energy Demonstration

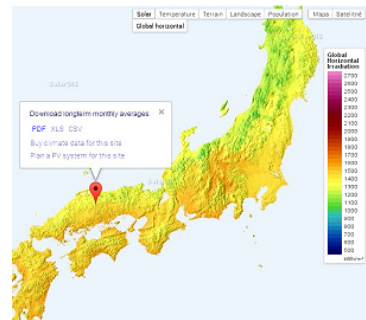
The SolarGIS database is a high resolution global database recognised as the most reliable and accurate source of solar resource information. The data are calculated using in-house developed algorithms that process satellite imagery and atmospheric and geographical inputs. The SolarGIS database features a unique set of qualities that have triggered new industry standards in terms of accuracy.



**SolarGIS iMaps**

**NEW** World's Best Daily-used New Energy Demonstration

iMaps is an interactive map that provides solar radiation and meteorological information with very high detail and accuracy. Every click on the map shows you the solar potential for the chosen location. iMaps also offers unlimited download of long-term monthly averages of solar radiation data. It is the best companion for site prospection and pre-feasibility analysis of solar energy systems.



**SolarGIS pvPlanner**

**NEW** World's Best Daily-used New Energy Demonstration

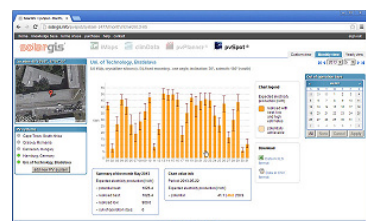
pvPlanner is online tool that allows accurate estimation of PV electricity potential within minutes. It is the best companion for site prospection. It is also the ideal tool for comparing energy yield from various PV technology options (for example cSi vs aSi, fixed mounting vs one axis tracking or vs two axis tracking). Yield reports can be downloaded also in Japanese.



**SolarGIS pvSpot**

**NEW** World's Best Japan's First Daily-used New Energy Demonstration

pvSpot allows reliable and independent performance monitoring of any PV power plant in operation. You can compare expected electricity production of any PV system calculated using SolarGIS data with the actual power production. It is the ideal tool for asset management of large PV portfolios. pvSpot eliminates the need of ground sensors for monitoring of small and medium sized PV power plants.



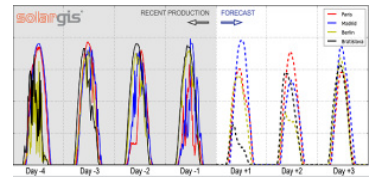
### SolarGIS Forecast

**NEW** Daily-used New Energy Demonstration

Solar radiation forecast is based on SolarGIS post-processing of the meteorological outputs from two operational numerical weather models. Forecast services are available for time horizon of 0 to 48 hours ahead (Day +1 and Day +2). Time step of forecasts is 1 hour.

The forecasts are available for:

- \*GHI - Global horizontal irradiance,
- \*GTI - Global tilted irradiance,
- \*Air temperature at 2 m.



### Expert studies and Bankable reports

**NEW** World's Best Demonstration

- \*Country studies - comprehensive evaluation of solar energy potential focused on a particular country or region
- \*Grid Integration Studies for utilities
- \*Solar resource site reports for PV, CPV and CSP
- \*PV energy yield assessment and design optimisation
- \*Performance assessment and monitoring reports for PV power plants
- \*Expert reports for Concentrated Solar Power and Concentrated Photovoltaics



### Company Information

GeoModel Solar is an independent international consultancy and technological company specialising in solar resource assessment and photovoltaic energy simulation. Our in-house developed technology platform, SolarGIS, is recognised as the most reliable source of solar resource information and helps reduce risks in solar energy investments globally.

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