# Solar Power Generation Planning Atlas

How do I use the Global Solar Atlas?
Welcome to the Global Solar Atlas. Start exploring solar potential by clicking on the map. Select sites,draw rectangles or polygons by clicking the respective map controls. Calculate energy production for selected sites. The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

What is the Global Solar Atlas program?
It included development and launch of the Global Solar Atlas and Global Wind Atlas in 2017, plus several further iterations. The program supported nine country-level activities, including detailed resource assessment and mapping, ground-based measurement campaigns and geospatial planning.

What is ESMAP's Global Solar Atlas?
Responding to client's needs,ESMAP and its partners have created a free,web-based tool--the Global Solar Atlas--that can help identify potential sites for solar power generation virtually anywhere in the world.

How accurate is the Global Solar Atlas?
While the data powering the Global Solar Atlas is the most recent and most accurate currently available,it is not fully validated in many developing countries due to the lack of ground-based measurement data from high precision solar radiation sensors.

What's new in the Global Wind Atlas?
The updated Global Wind Atlas 3.0 and Global Solar Atlas 2.0 contain: Wind resource mappingat 10,50,100,150 and 200 m above ground/sea level. It is now also possible to download GIS files for all layers,for any area of interest

Who developed the Global Wind Atlas?
In development of the Global Wind Atlas (GWA) the project partnered with the Wind Energy Department at the Technical University of Denmark (DTU Wind Energy),which had developed the first version of the atlas,and was substantially improved and co-branded under this project via the partnership between ESMAP and DTU Wind Energy.

The Global Solar Atlas provides a summary of solar power potential and solar resources globally. It is provided by the World Bank Group as a free service to governments, developers and the general public, and allows users to quickly ...

PVGIS is a free web application that allows the user to get data on solar radiation and photovoltaic system energy production, in most parts of the world. ... (PV) electricity generation potential for different technologies and configurations. ...

2 ???· The development of the carbon market is a strategic approach to promoting carbon emission restrictions and the growth of renewable energy. As the development of new hybrid ...

They designed simulated FPV plants and calculated their potential power output using satellite images, bathymetry, hill shading, future drought analyses, and discrete power ...

The World Bank, in partnership with the International Solar Alliance (ISA), launched the Global Solar Atlas at the World Future Energy Summit in Abu Dhabi. It serves as an example of the World Bank"s ...

Myanmar remains one of the few exceptions to the rapid diffusion of solar photovoltaics (PV) in power generation mixes. This is surprising considering that Myanmar is one of the countries ...

This free, web-based tool will help investors and policymakers identify potential sites for solar power generation virtually anywhere in the world, at the click of a button. The tool displays annual average solar power ...

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