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Title: Aerial photography of Chinese solar power plants

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Does China have a PV power plant?

When looking into the publicly released scientific data of China's PV power stations, only the statistical data of PV's installed capacity for each province could be achieved, lacking the spatial distribution data that could provide more details of China's PV power industry.

Does China have a spatial map of PV power stations?

Although some researchers released several PV power station maps, most only met a medium resolution of 30 meters [9,10]. There thus still lacks a national map of China's PV power stations with a higher spatial resolution (i.e., 10 meters) that could provide a global understanding of PV's spatial deployment patterns.

How many ground-mounted PV power stations are there in China?

According to our dataset, China has a total of 2467.7 km² ground-mounted PV power stations in 2020. The top three largest provinces refer to Xinjiang, Inner Mongolia and Qinghai, whose PV area ratio are 14.92%, 12.49% and 11.26%, respectively, with a total of nearly 40% of all the PV power stations of China.

What is remote sensing derived dataset for large-scale photovoltaic power stations in China?

We provide a remote sensing derived dataset for large-scale ground-mounted photovoltaic (PV) power stations in China of 2020, which has high spatial resolution of 10 meters. The dataset is based on the Google Earth Engine (GEE) cloud computing platform via random forest classifier and active learning strategy.

Sunset, photovoltaic power generation aerial photography of photovoltaic panels on the mountain - china solar farm stock pictures, royalty-free photos & images

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The US National Aeronautics and Space Administration (NASA) has released stunning aerial images of the Great Solar Wall, China's largest renewable energy initiative, located in the ...

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Drone point of view at the solar power station on the top of the mountain at sunset aerial view of solar panels on factory roof. blue shiny solar photo voltaic panels system product. - solar energy china ...

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