

# AGRIVOLTAICS PROJECTS BOSNIA AND HERZEGOVINA



Can solar power plants be used in Bosnia & Herzegovina? From all Balkan countries, it was found that Bosnia and Herzegovina has one of the largest potentials for the implementation of solar power plants. It was estimated that energy produced from solar power plants could be  $70.5 \times 10^6$  GWh/year and the most suitable area is Herzegovina.



What is the potential for bioenergy in Bosnia & Herzegovina? Concerning bioenergy, the greatest potential lies in wood residues, since forests are one of the main natural resources of Bosnia and Herzegovina. There are currently two biogas power plants, but there is no available data about biofuel and other biowaste utilization.

### 1. Introduction



Is Bosnia and Herzegovina a good place to invest in geothermal energy? Bosnia and Herzegovina has a great potential for this energy sector, primarily due to its geographical location and great wealth of underground thermal springs. Geothermal resources of Bosnia and Herzegovina include hydrothermal systems, geo-processed zones and hot dry rocks.



Is Bosnia and Herzegovina a good country for solar energy? With around 60% of the land area, Bosnia and Herzegovina could have between 1.2 and 1.4 MWh/kWp of photovoltaic capacity compared to the world's solar potential. Compared to B&H and other Balkan countries, Serbia has a great potential for the implementation of solar energy.



How many biogas power plants are there in Bosnia & Herzegovina? Currently, there are 2 biogas power plants in Bosnia and Herzegovina, one in Banja Luka and the other in Lower ? 1/2 abar near Br??ko District. However, these are very small plants, with insufficient power and an impact on savings.

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How many wind farms are there in Bosnia & Herzegovina? In total, there are seven current and planned wind farms with an annual production of 936.17 GWh. From all Balkan countries, it was found that Bosnia and Herzegovina has one of the largest potentials for the implementation of solar power plants.



Bosnia and Herzegovina Industry Press "Think Globally, Read Locally" Proposed regulatory changes, particularly in Italy, could impact broader PPA market, project supply, and pricing. The PPA landscape across Europe has the potential for significant growth, and the legislative changes have a Europe-first approach that may positively impact



To make agrivoltaics a widely available option for developers in the U.S., questions about cost, liability and other business, legal and regulatory issues need to be addressed. to solar energy development can raise local ???



Agrivoltaic projects can be deployed on rooftops or in community farms to diversify food and energy supply to cities. Image: Con Edison. According to SolarPower Europe, 49.5% of the world's



PV Tech has been running PV ModuleTech Conferences since 2017. PV ModuleTech USA, on 17-18 June 2025, will be our fourth PV ModuleTech conference dedicated to the U.S. utility scale solar sector.

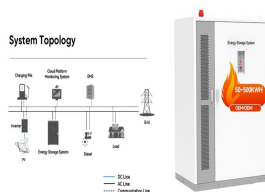
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The project is called Agrosolar Kula, the first agrivoltaics project in Serbia and the Balkans and also the largest project of its kind in Europe. The investment is worth 340 million euros and will be realized in the territory of Kula municipality. Bosnia and Herzegovina at a crossroads: Balancing coal dependency, economic growth and green



The EU recently highlighted a report showing that agrivoltaics on just 1% of the bloc's farmland could grow installed solar to approximately 944GW, which is more than four times the EU's total



To make agrivoltaics a widely available option for developers in the U.S., questions about cost, liability and other business, legal and regulatory issues need to be addressed. to solar energy development can raise local concerns that delay or derail projects. Agrivoltaics ??? the co-location of solar energy installations and agriculture



Agrivoltaics ??? or Agri-PV ??? is the synergy of agriculture and photovoltaic technology. In 2020 we set up two Agri-PV plants as pilot projects in collaboration with our partner DoppelErnte. DoppelErnte, or "double harvest," ???



Solar energy is a promising sector in Bosnia and Herzegovina, with huge untapped potential. While the sector faces numerous challenges, the recent regulatory improvements coupled with the country's abundant sunlight ???

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Agrivoltaics, the simultaneous use of land for both solar photovoltaic (PV) power generation and agricultural production, may be one of the answers we are looking for. Agrivoltaics, agrophotovoltaics, or dual-use solar is the simultaneous use of land areas for solar photovoltaic power generation and agriculture.



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Since the first projects implemented, agrivoltaics were massively deployed in Japan between 2004 and 2017, with more than 1,000 agrivoltaic power plants in operation. Agrivoltaics then spread to other areas in ???



Agrivoltaics, or the practice of solar agriculture co-location, is defined as agricultural production underneath or adjacent to solar panels, such as crops, livestock, and pollinators. As of March 2023, the National Renewable ???



Discover Agri-PV (Agrivoltaics), the innovative dual-use solution combining agriculture and solar energy production. Learn how Netafim's expertise in precision irrigation, agronomic support, ???

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Active Individual measure to strengthen the response capacity to manage migration flows in Bosnia and Herzegovina. This project builds on the three phases of the EU Special Measures to Support the Response to the Refugee and Migrant Situation in Bosnia and Herzegovina (Contract number 2020/417-356.). This Individual Measure will be implemented over the course of three ???

FLEXIBLE SETTING OF  
MULTIPLE WORKING MODES



Interest in agrivoltaics has been on the rise in the past year, with several utility-scale projects brought to commercial operation across Europe, with Italy as one of the leading countries.



However, an emerging strategy known as agrivoltaics combines solar electricity generation with agricultural production in the same location. As shown in Figure 1, more and more research is evaluating agrivoltaics for its potential to enhance land use efficiency, climate solutions, sustainable food, and local economies.



During the previous period, companies in Bosnia and Herzegovina have shown the greatest interest in generating electricity from renewable sources ??? particularly in the installation of solar power plants, ???



As agrivoltaics innovators, SCAPES project researchers experience its impact first-hand. Agrivoltaics helps energy generation and crop production. It can help farmers profit. It provides new opportunities for the energy industry. It can guide U.S. policy. And it presents new fields of study and bright career paths for the next generation.

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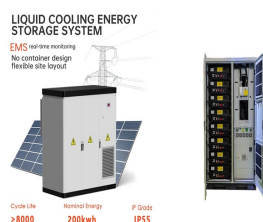
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While comparing agrivoltaics to ground-mounted PV plants, researchers have found that agrivoltaics projects tend to be more expensive. This is primarily due to higher costs incurred during the approval process and design limitations, as well as the need for specialized components such as modules, mounting systems, and trackers.



Massachusetts has enacted a feed-in tariff adder of US\$0.06/kWh for agrivoltaics projects through its Solar Massachusetts Renewable Target (SMART) programme. New Jersey authorised an ???



The European Commission has approved a ???1.7 billion (US\$1.8 billion) scheme to support the deployment of 1.04GW of agrivoltaics projects in Italy. Set to run until the 31 st December, 2024, the



MASE said that the facility would seek to finance at least 1.04GW of agrivoltaics projects across Italy, sites where solar PV generation and agricultural practice take place on the same piece of land.

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Agrivoltaics Map. This dynamic map represents a census of agrivoltaic installations located across the United States. The map is constantly expanding as new sites are developed. If you are aware of agrivoltaic sites that should be added to the map or have a correction, please click on the "Contribute to the Agrivoltaics Map" button below.



Swedish state-owned power company Vattenfall has started construction at its 79MW T?tzpatz agrivoltaics (agriPV) project in north-east Germany, which will be the country's largest agriPV plant



Into the big time. In November, the European Commission approved a ???1.7 billion (US\$1.8 billion) investment scheme to support the development of agrivoltaics in Italy. In total the funding will



the Province of Manitoba and project funding from governments inside and outside Canada, United Nations agencies, foundations, the private sector, and individuals. Agrivoltaics in India: Challenges and opportunities for scale-up May 2023 Written by Anas Rahman, Akash Sharma, Florian Postel, Siddharth Goel, Kritika Kumar, and Tara Laan Head Office