

Research Center for Agri-Photovoltaics Saxony-Anhalt



A Multifunctional Land Use Concept

The Research Center for Agri-Photovoltaics is developing practical demonstration projects that combine the production of food and animal feed with photovoltaic systems and biodiversity elements. The primary focus remains on agricultural production while simultaneously increasing economic efficiency and ecosystem services.

Research Questions on Triple Use: Agriculture - Photovoltaics - Biodiversity

AgriPVplus concepts aim to create maximum synergies for a sustainable agricultural system in Central Germany.

What yields and business results can be achieved in various system configurations?

How can biodiversity promotion measures be integrated, and what effects do they have on associated ecosystem services?

What insights from the analysis of abiotic, economic, and ecological parameters can contribute to evidence-based decision-making?

Test sites

To answer these questions, three practical test sites are being used. They investigate the effects of different mounting structures, PV module types, and biodiversity measures on arable farming and grassland.

Two sites are testing vertically and tracker-mounted PV modules in combination with the cultivation of field crops and the integration of insect-friendly wild plants.

Another site links photovoltaics with grassland use. The goal here is to advance both the production of animal feed and the promotion of biodiversity.

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