

VALUATION OF ENVIRONMENTAL AND ECONOMIC BENEFITS OF AGRIVOLTAIC INSTALLATIONS



Client: Confidential

Location: Spain

Date: 2024

PROJECT CONTEXT

Reads, together with Worley Consulting, supported a technology start-up in quantifying the environmental and economic benefits of pilot agrivoltaic installations in renowned wine-growing regions across Spain.

RESULTS/IMPACT

The study showed that a 10-hectare agrivoltaic project could generate over €3 million in environmental benefits — measured as ecosystem service improvements — over 30 years. Combining solar energy with viticulture not only increased natural capital but also improved vineyard productivity, as controlled shading from the panels benefited crops requiring cooler and more humid conditions in warm climates. Additionally, the generated energy promoted self-consumption, reduced costs, and lowered external dependence. Reads demonstrated the strategic value of agrivoltaics as a sustainable, efficient solution aligned with the energy transition.

