

# The project

SYMBIOSYST investigates innovative c-Si modules for agrivoltaics to positive influence yields and protect land & crops, and it applies modern precision farming concepts that can bring significant advantages at both production and environmental levels.

The project is an Horizon Europe Innovation Action started in January 2023, that will continue until December 2026.



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Images courtesy of EF Solare Italia - Greenhouse and Agri-PV Prototype in Scalea (Italy)

## Consortium

Coordinator

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Partners



aleo



etaflorence  
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Laborelec  
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LUCISUN



TU Delft



above

# Creating new synergies between solar energy and agriculture

 Symbiosyst



# Activities

Modelling and design of new and sustainable agri-PV solutions

Development of an effective monitoring system

Configuration of Demo Drivers, Project Demos and Demo Followers

Engagement of all the relevant stakeholders and participatory approaches

Development of innovative business models and market uptake

## Two analysed systems



Closed agri-PV



Open agri-PV

# Objective

SYMBIOSYST investigates innovative systems to go beyond the idea of solar energy production and agriculture as two separate sectors, and find a new synergy where land & crops and photovoltaics can have a mutually beneficial relationship.

## Case studies

### Demo Drivers

#### OPEN AGRI-PV

1. Apple orchard in South Tyrol (IT)
2. Citrus orchard in Scalea (IT)
3. Pear orchard in Bierbeek (BE)

#### CLOSED AGRI-PV

4. Leafy vegetables in Den Hoorn (NL)

### Project Demos

#### OPEN AGRI-PV

1. Apple orchard in Bolzano (IT)
2. Citrus orchard in Scalea (IT)
3. Vegetable crops in Barcelona (ES)

#### CLOSED AGRI-PV

4. Semi closed greenhouse in Schipluiden (NL)



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