

SUSMEDHOUSE PARTNERS



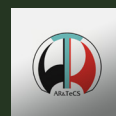
ACKNOWLEDGEMENT



This Project has received funding from the European Union's Partnership for Research and Innovation in the Mediterranean Area (PRIMA) Programme under Agreement number: [1917] [SUSMEDHOUSE] [Call 2019 Section 1 Farming IA]

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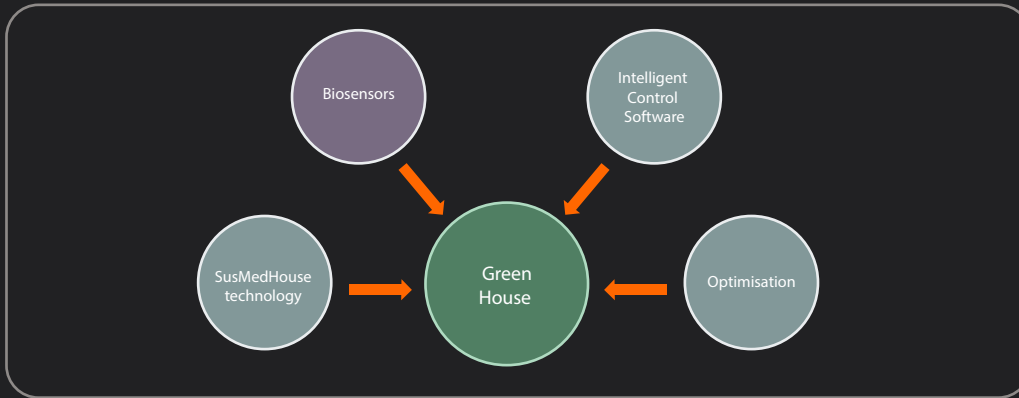


SUSMEDHOUSE
Sustainability and Competitiveness of Mediterranean Greenhouse and Intensive Horticulture

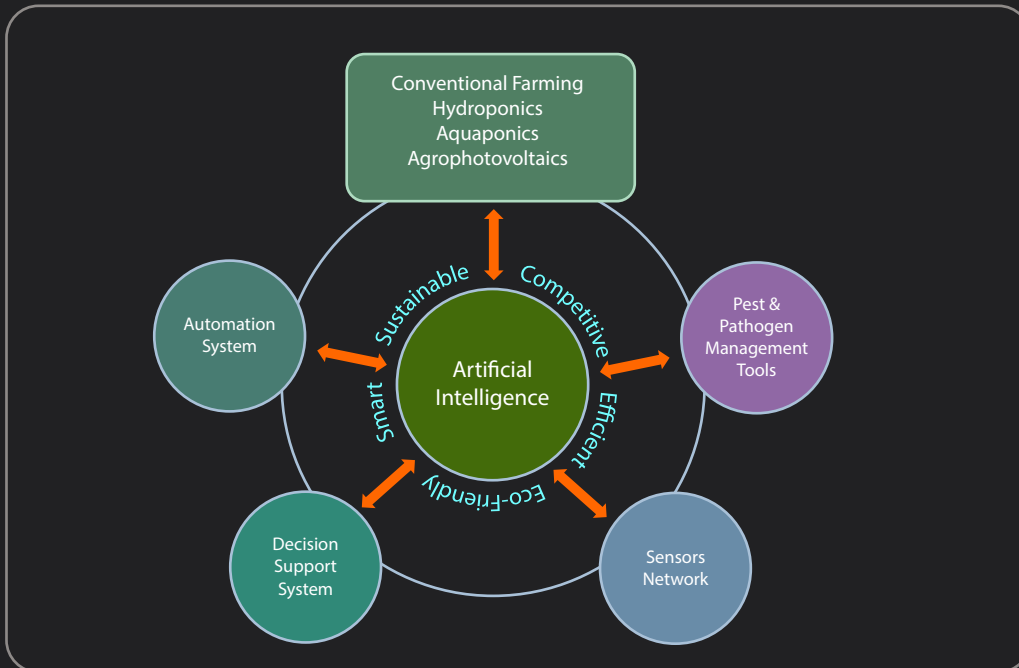
Sustainability and Competitiveness of Mediterranean Greenhouse and Intensive Horticulture.



SusMEDHouse: main concept:



SusMEDHouse: main vision



THE PROJECT

Within the **SusMEDHouse**, the aim is to develop a Sustainable Mediterranean Greenhouse.

SusMEDHouse: A hi-tech greenhouse to produce tomatoes, lettuces and peppers in an eco-sustainable way.

Aims and challenges:

- Integration of Artificial Intelligence (AI), Decision Support System (DSS), Integrated Pest Management Methods (IPPM) and Agrophotovoltaic for a more sustainable greenhouse cultivation.
- Peat-free growth media (1), resulting from waste streams recycling, separate Low-E and solar control coatings (2), for cold and hot climate conditions, and novel biosensors (3), to manage the water quality and drainage nutrient content, will be combined in SusMedHouse innovation actions.
- Cost-effective, environmental friendly and socially accepted new methods will be developed, improving hand-labor conditions and providing novel tools for assisting farmers in integrated pest and pathogen management, while minimizing the consumption of fossils and disposal of residues, by means of a new peat-free growth media.