



Horizon Europe Brokerage Event Cluster 6 Calls 2024

Brussels , 26 September 2023

GreenVF-Farms

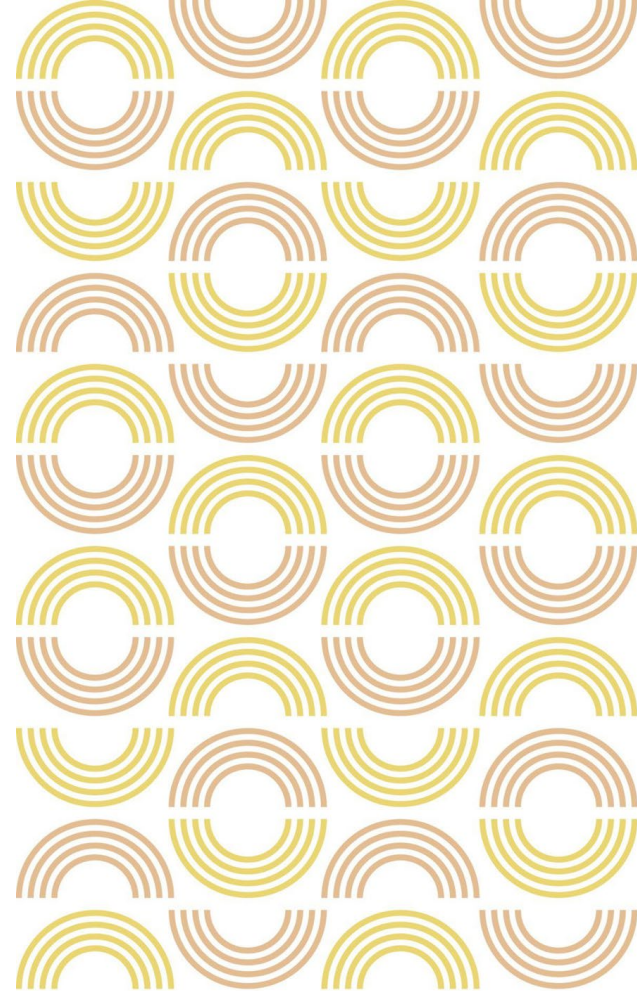
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Topic(s) addressed :

- [HORIZON-CL6-2024-COMMUNITIES-02-2-two-stage: New sustainable business and production models for farmers and rural communities](#)

Other topics of interest:

- [HORIZON-CL6-2024-FARM2FORK-01-4: Climate change impact on food safety. Effects of climate change on food safety hazards across food systems](#)
- [HORIZON-CL6-2024-ZEROPOLLUTION-01-03: Environmental impacts of food systems](#)

Project idea

- Artificial lighting in CEA is vital for plant growth and simultaneously consists 60-80% of the total energy demands and 40% of the OPEX.
- Development of an algorithm that enables the load-shifted energy demand response of CEA by synchronizing the fluctuations of the electricity market prices and the development and growth rate of plants in order to reduce the energy requirements of vertical farm sourcing from lighting operation.
- Optimize the Energy and Light Use Efficiency, environmental performance and profitability of CEA facilities
- Vertical Farms – Nobu Farm; Smart monitor and control in CEA – IGS; RES companies – Mesogios; Research & Academic Institutions – Aarhus University

Main expertise offered / sought

- Agriculture engineers with expertise in greenhouses, vertical farms and plant physiology/morphology;
- VF2FARM (National Greek Program - ESPA; GreenExUs (Marie Curie)
- Partner – Work Package Leader
- Electrical and Mechanical Engineers, Farmers in CEA systems, Business Marketeers

Contact details

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Scan me!