

## AGRIFOOD

Innovation in Agrifood involves using cutting-edge technologies to address challenges and inefficiencies in agricultural practices, food production, distribution, and consumption. Solutions may include but are not limited to:



### ADDRESSING CHALLENGES ACROSS THE VALUE CHAIN:

- Land and production fragmentation
- Unbalanced market power
- Increase competition in key markets
- Limited knowledge in tech and best practices
- Limited access to machinery and post-harvest systems
- Low food safety and traceability
- High Import dependency
- Limited access to financial facilities and services
- Absence of dedicated insurance products
- Energy crises
- Water scarcity and low quality
- Poor land and soil management
- Weak public extension services



### USING TECHNOLOGY TO ADVANCE THE AGRIFOOD SECTOR ACROSS THE VALUE CHAINS:

- Precision Farming, IoT, machine learning and AI, robotics, dig data, early detection systems for more sustainable farming
- Algae and blue economy, biotechnology of algae growing and raw material extraction, aquaculture, and fishing
- Micro-organisms in agrifood, beneficial bacteria and yeasts for agriculture or food processing
- Food alternatives and super foods, vegan meat, vegan dairy-like products, super grains
- Insect Farming for animal and human consumption
- Food Waste and Food Security, waste valorization, circularity, improved access to food



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