

GrowUp Incubator: Sustainable Food Systems



Examples of innovations that **COULD** be selected

Thematic areas	For example, innovations that:
Food production (growing & harvesting)	<ul style="list-style-type: none"> • Apply regenerative agriculture, climate-smart agriculture, closed-loop agriculture, agroforestry and other sustainable practices for horticulture, aquaculture, insect and livestock farming • Improve the use and management of water, prevent eutrophication • Reduce GHG emissions in agriculture • Eliminate deforestation and biodiversity loss • Eliminate soil degradation and facilitate its rehabilitation • Facilitate innovative climate-friendly, energy-efficient machinery and irrigation systems that allow increasing yields • Offer farming services and climate-friendly machinery on rent to reduce capital expenditures and increase affordability of produce
Food aggregation, distribution, marketing and sales	<ul style="list-style-type: none"> • Create platforms and applications that digitally connect farmers to the markets or consumers • Utilize e-commerce and create marketplaces for sustainably grown and organic agriculture produce and inputs • Use food distribution practices that mitigate climate change
Food processing & packaging	<ul style="list-style-type: none"> • Use farm and food processing management systems or software for the facilitation of data collection and decision-making using sensors, IoT and data analytics • Apply enzyme-assisted food processing • Use alternative techniques of microbial control that are less energy-intensive (e.g. microwave and radio-frequency heating, pulsed electric fields, high-pressure processing, ionizing radiation, ohmic heating, treatment with UV light, and ozonization) • Produce eco-friendly food packaging to reduce single-use plastic
Food preparation & consumption	<ul style="list-style-type: none"> • Provide access to clean fuels for food preparation • Create platforms that build capacity and raise awareness about the importance of environmentally sustainable food choices and sustainable healthy diet
Food disposal and food waste recovery	<ul style="list-style-type: none"> • Reduce food loss & waste throughout the food value chain • Contribute to the food waste recovery (e.g. repurposing into other products, anaerobic digestion, decentralized composting, MBT)



Examples of innovations that **COULD NOT** be selected

(Social) businesses that use **unsustainable** practices and operations that lead to land conversion, loss of biodiversity, deforestation, soil erosion and degradation, pollution, irrigation problems, climate change (e.g. growing monoculture crops, overgrazing, producing GMO, producing and using chemical pesticides, herbicides, chemical fertilizers, antibiotics etc.)