



SUSTAINABLE FOOD SYSTEMS FOR CANADA

Solutions to feed a growing population
while protecting the planet.



**ARRELL
FOOD INSTITUTE**

AT THE UNIVERSITY *of* GUELPH



The world's food systems are under great pressure. From soaring prices, disruptions to trade and climate change, we are in a critical moment and Canada can play an important role. It has the foundation and leadership to implement practices that can increase food production with less impact on the planet.

New research from Arrell Food Institute, RBC and BCG's Centre for Canada's Future shows that Canada can produce more food and simultaneously reduce emissions.

Learn more in The Next Green Revolution:  



Moving to a sustainable food system requires the understanding of important concepts and innovations. Arrell Food Institute has researched these topics and identified the benefits, barriers and questions that must be answered to help transition Canada to a sustainable food system leader.

Reducing emissions in agriculture

Agriculture practices like crop farming, livestock, fertilizer production and use and food waste contribute to greenhouse gas emissions. What strategies can be adopted to help cut these emissions and help Canada's agriculture be a benchmark for sustainable production?



Reimagining labour

Canada relies heavily on agriculture yet this industry is experiencing the largest labour shortage in the country. How can we use innovation to address this gap and what can others do to help?





Using cellular agriculture

Cellular agriculture refers to a set of technologies that are used to produce animal products without raising the animal from birth to maturity. What role can this form of food production have to reduce the need for resources like land and water?



Protecting data

Technology is helping digitize agricultural practices and is becoming more relied upon in this sector to produce more food. How can food producer and processors adopt measures to protect their valuable data from cybersecurity threats?



Embracing innovation

Vertical farming and regenerative agriculture are just two of the many examples of food system innovations. How can we develop more of these ideas and work together across the sector to grow and produce more food while protecting the health of the planet?





Arrell Food Institute brings people together to conduct research, train the next generation of food leaders and shape social, industrial and government decisions, always ensuring food is the central priority.

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