



Smart Cities Challenge Update

Council Presentation March 2, 2020



Video



Guelph. Future ready.

Powering our future



Sustaining our future



Building our future



Navigating our future



Working together for our future

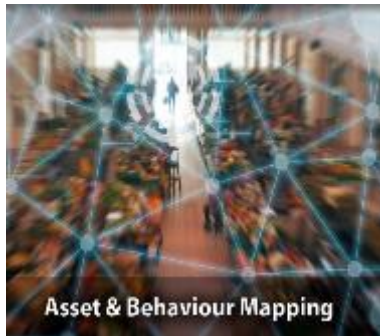


January 2020 – 5 year initiative launch

- Opened Smart Cities Office – 27 Douglas Street
- Staffing Transition and onboarding (Project Coordinator, County Coordinator)
- Finalized agreements with Federal Government and Project Collaborators
- Participated in 24 events locally, nationally and internationally reaching approx. 4,000 people
- Recognized with an international Smart 50 Award (April 6, 2020)
- Established collaborative governance & Project Management structure for Our Food Future



2020 and beyond



Access to healthy, affordable nutritious food

Increase access to healthy, affordable nutritious food
by 50%



Baseline asset mapping and public reporting dashboard



SEED Upcycle Kitchen



Sliding scale market expansions and partnerships



YMCA - YWCA of
Guelph

Proud supporters of



GUELPH-WELLINGTON - Canada's
first food smart community

A Smart Cities Challenge Initiative

In partnership with



Making a Difference



Funding provided by



Canada

The InterCorp Group
Cambridge, ON
Tel: 519-423-2377
www.intercorp.ca

Urban Agriculture development



Food from Home Newcomer pilot



Circular businesses and collaborations

Create 50 new circular businesses and collaborations



Launching Circular Food iHub



HELP US BUILD CANADA'S FIRST CIRCULAR FOOD ECONOMY

The Circular Food Economy Innovation Hub (CFE iHub) connects urban and rural communities with the goal of finding innovative solutions to real-world problems related to food security and sustainability in Guelph and Wellington County.

Imagine a food system where there's no such thing as waste and where every resident has access to the healthy, nutritious food they need.
 Imagine a living lab that promotes collaboration between food entrepreneurs, farmers, researchers and social innovators—and a rural-urban partnership that leverages smart technology to make it all possible.
 Guelph-Wellington is leading the way as Canada's first circular food economy, and you can help us make it happen.

HELP US CREATE THE FOOD COMMUNITY OF THE FUTURE

...ntal requirement of life on this planet. However, the basic structure of today's linear food system is unsustainable—economically, socially and environmentally. In Guelph, families experience food insecurity, and the cost of healthy food keeps increasing. A third and a half of the food we produce is thrown away. Much of that ends up in landfill, releasing greenhouse gases that drive climate change.

...me to address these issues by creating Canada's first circular food economy, reimagining how we produce, distribute, sell and consume food for a more inclusive and sustainable food system. We want a food system where everyone can access nutritious food, nothing is wasted, and the impact on our planet is minimal. We imagine a system where food experts and entrepreneurs come together to tackle these challenges.

...become Canada's first technology-driven Circular Food Economy with three bold goals:
 1. Access to affordable, nutritious food;
 2. New businesses, collaborations and social enterprises; and
 3. Economic revenues by reducing and reimagining our food waste.

...share our ideas, data and technology solutions to move from the current system to a circular food economy that creates new jobs, and values our planet, health, equity and dignity.

HOW CIRCULAR IS YOUR BUSINESS?

A circular food business is a for-profit, not-for-profit, or social business that contributes to the circular food economy. Businesses can do this by preventing waste and reusing food waste, developing shared prosperity through inclusivity, and expanding access to nutritious food.

- Which of the following categories best describes your business?
- Processor • Food Transportation • Food Retail • Food Waste
 - Food Packaging • Feed Production • Recycling • Repurposing
 - Manufacturer • Agri-Innovation • Agriculture/Food Technology
 - Designer • Food Educators • Agri-Food Consultants
 - All Innovators • Agro-System Specialists

If you fit into one or more of these categories, then you are in the perfect position to help! Together, we can build a smart community right here in Guelph and Wellington County.

You can play a role in finding solutions! In your Guelph-Wellington community, you can support the Circular Food Economy. Join our community, start conversations, and explore how you can get involved.
 Visit foodfuture.ca

HOW CIRCULAR IS YOUR BUSINESS?

The checklist below shows some of the characteristics of a circular/sustainable food business. How many does your company have? (Standard terms are defined below the checklist)

Preventing/ Reducing Waste and Carbon Emissions

Do you engage in any of the following emission reductions activities?

- Use renewable energy sources (wind, solar, etc.)
- Participate in official programs (carbon credits or carbon offsetting)

Do you track your environmental performance?

- Formal system (ISO, etc.)
- Informal system

Repurposing Waste

Do you maximize the value of waste using any of the following strategies?

- Product focused (products-as-a-service, product life extension, sell and buy-back, long-life sharing platform)
- Material focused (renewable, recycle, reuse, remanufacture, recovery)

Expanding Access to Affordable, Nutritious Food

Do your products improve food access?

- Available to a wider variety of consumers
- Provides essential vitamins, minerals, or proteins

Developing Shared Prosperity

Are you a living wage employer?

- I am not certified through the Ontario Living Wage Network
- I am a certified living wage employer

Do you offer inclusive products or services?

DEFINITIONS:

Biodegradable: A material that can be broken down by natural processes into water, carbon dioxide, and biomass. It is not dispersed when used.

Compostable: A material that can be broken down by natural processes into water, carbon dioxide, and biomass. It is not dispersed when used.

Long-life: A product designed to work longer than others of the same kind.

Sharing Platform: A formal or informal sales channel for emerging products.

Renewable: A natural resource or source of energy not depleted when used.

Recycle: The conversion of waste into reusable materials.

Reuse: To use again or more than once.

Remanufacture: Restoring through repair and replacement.

Recovery: The recovery of waste without any pre-processing.

Living Wage: The hourly salary at which a household can meet its basic needs. For living wage information, visit www.livingwage.ca.

Willingness to Contribute: A business and individual's willingness to contribute to a circular food economy.





Harvest Impact Fund

Awards

\$100,000+ granted
over four years

Social Finance Fund

Launch of \$2M+ fund
to intake local
investments and
invest in
local projects

New collaborations



Eat, Talk and Get Inspired!

food Fridays

Businesses tools and resources



PROVISION COALITION

Getting Started

To start using the framework simply select the question that represents the stage your company is at. If you are new to the framework click on "Where do you want to go?" to start the process.

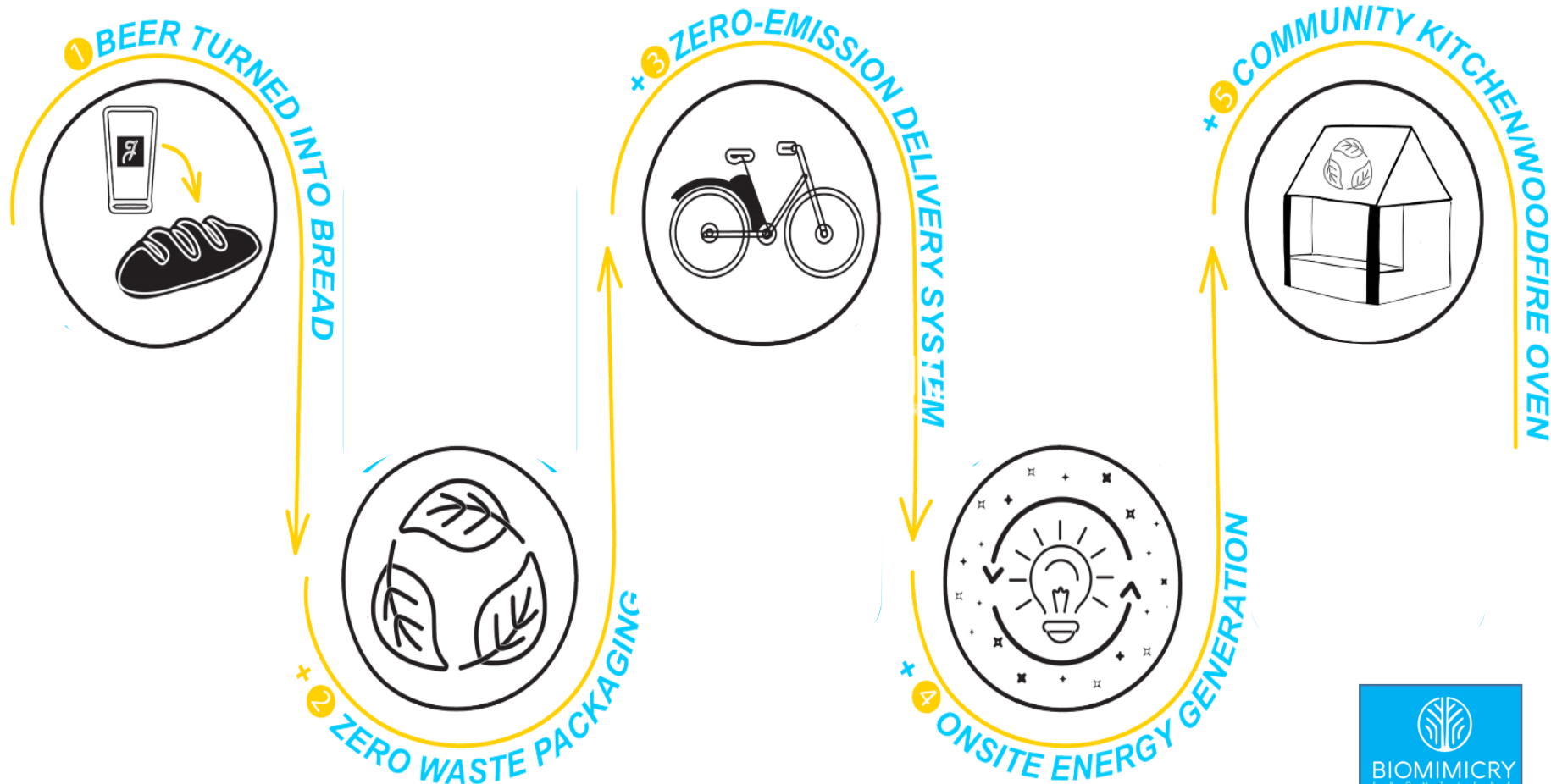


Sustainability Integration Framework

The focus of the framework is on overall sustainability performance for individual food and beverage manufacturing facilities. It is useful if you are just getting started, or if you are contemplating next steps. The framework is based on a Plan, Do, Check, Act cycle and consists of 5 main steps.

The cyclical nature of the framework reflects the continuity of the sustainability integration process. As you work your way through the elements, you will see a number of suggested activities – it's not expected or necessary to execute each one – users are encouraged to use the tools and resources throughout the portal to support efforts in meeting your business needs and vision.

Neighborhood pilot – Circular food economy in action



Guelph Chamber of Commerce Regional Economic Summit



THE GUELPH CHAMBER OF COMMERCE PRESENTS



REGIONAL ECONOMIC SUMMIT 2020
The Circular Economy Featuring Keynote Speaker
John Coyne, Vice-President, External Affairs & Sustainability at Unilever Canada Inc.



Join community and business leaders from across the region as we discuss the importance of circular economies and showcase how local and national organizations are executing this work at our Regional Economic Summit.

Hear from **keynote speaker, John Coyne, Vice-President, External Affairs & Sustainability at Unilever Canada Inc.** to learn how Unilever is maximizing on sustainable initiatives and implementing changes to better tomorrow.

As a well-known leader in corporate sustainability, John is a passionate activator of the Unilever Sustainable Living Plan, the organization's strategy to grow business, reduce its environmental footprint and increase its positive contribution to society. John is Executive Chair of the Board of the Canadian Stewardship Services Alliance Inc., Co-Chair of the Partners in Project Green steering committee (a major environmental initiative of the Toronto Region Conservation Authority), and Past Chair of the Board of the Stewardship of Ontario, just to name a few.

John is Co-Chair of the **Circular Economy Leadership Coalition**, which was launched in 2018 to accelerate Canada's transition to a circular economy. He was also appointed to the federal Plastics Advisory group, advising Canada's Minister of the Environment and Climate Change on issues relating to plastics and the implementation of the Ocean Plastics Charter.



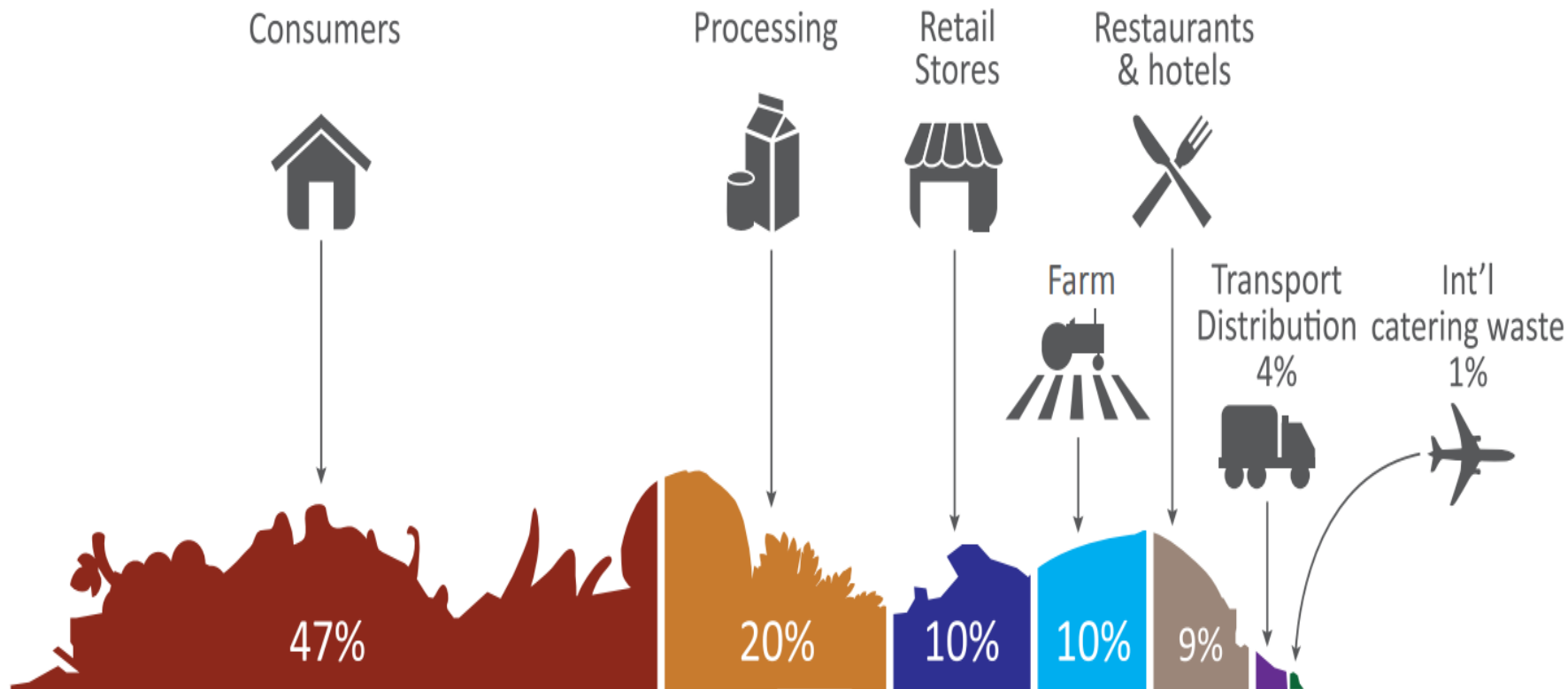
Circular municipal waste systems

Increase the economic value of food waste and
reduce environmental impacts by 50%

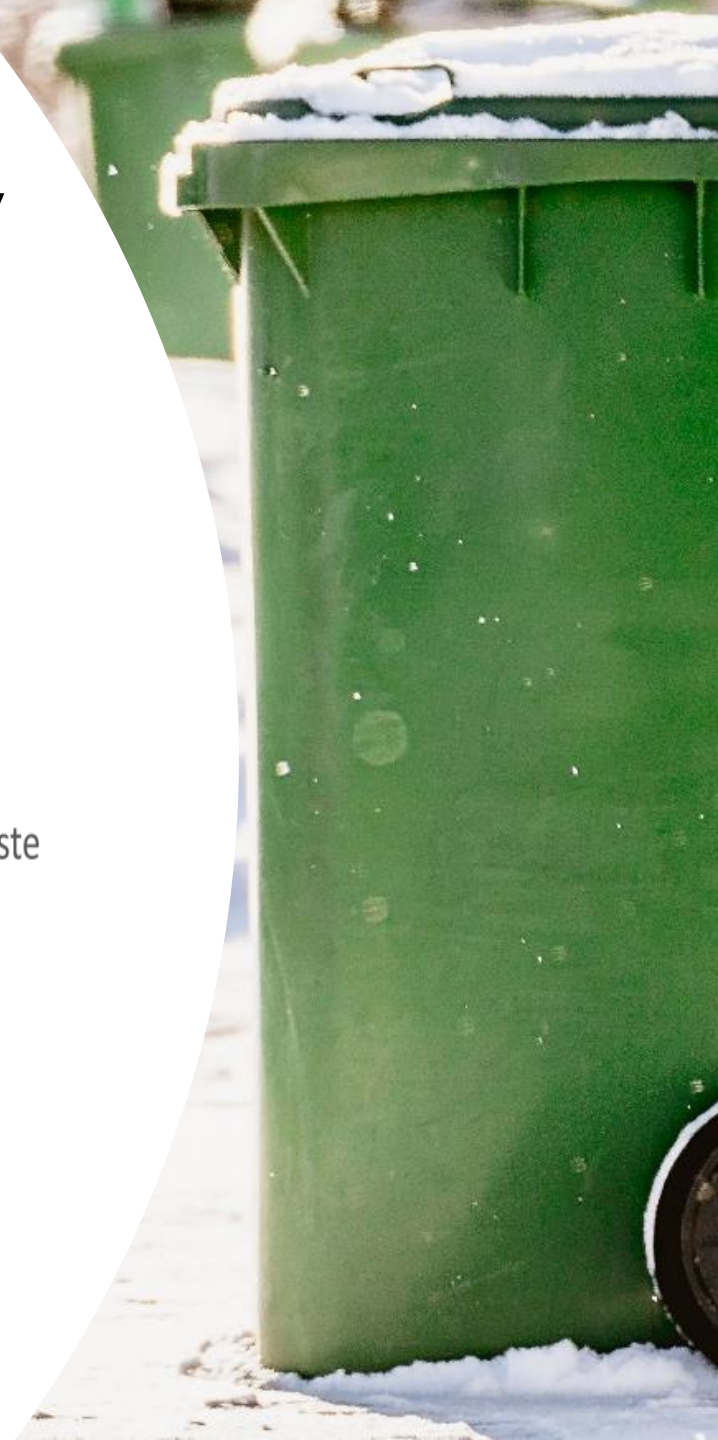


G-W Food and Waste Flow Study

WHERE FOOD WASTE OCCURS THROUGH CANADA'S FOOD VALUE CHAIN⁹



(Source: \$27 billion revisited: The cost of Canada's annual food waste, VCM International, 2014)



Municipal waste systems

- Shared opportunities from County and City Waste masterplanning
- Tools for businesses to reduce waste, realize cost savings and reduce greenhouse gas
- Baseline data on food waste generation in homes (City and County)
- Pilot with Recycling Council of Ontario to rescue edible, separate organics, recycle in ICI sector
- County Green bin implementation and waste audits



Launch Reimagine Food Campaign

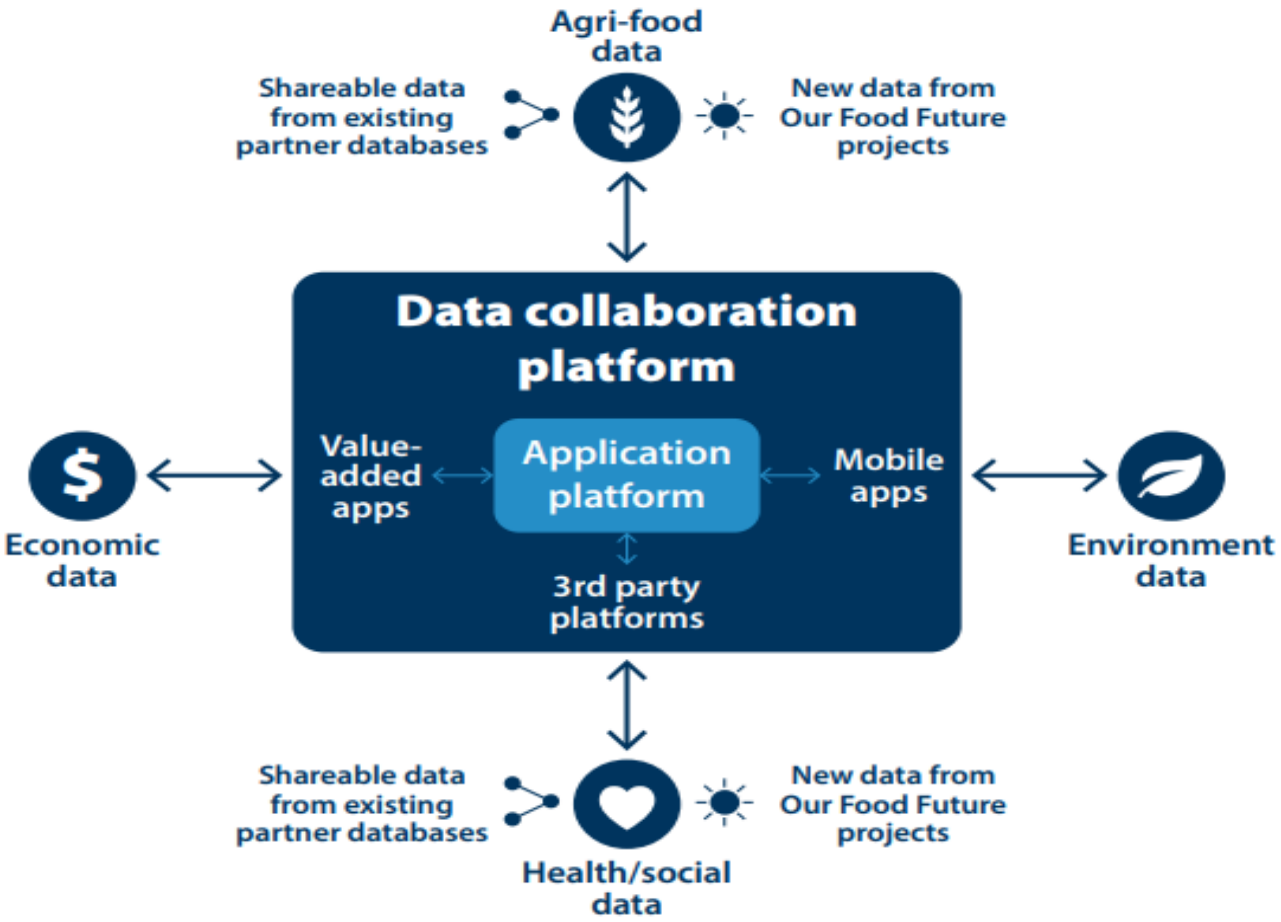


Data and technology

Increase capacity to use data and technology to solve food system challenges



Data Utility pilot

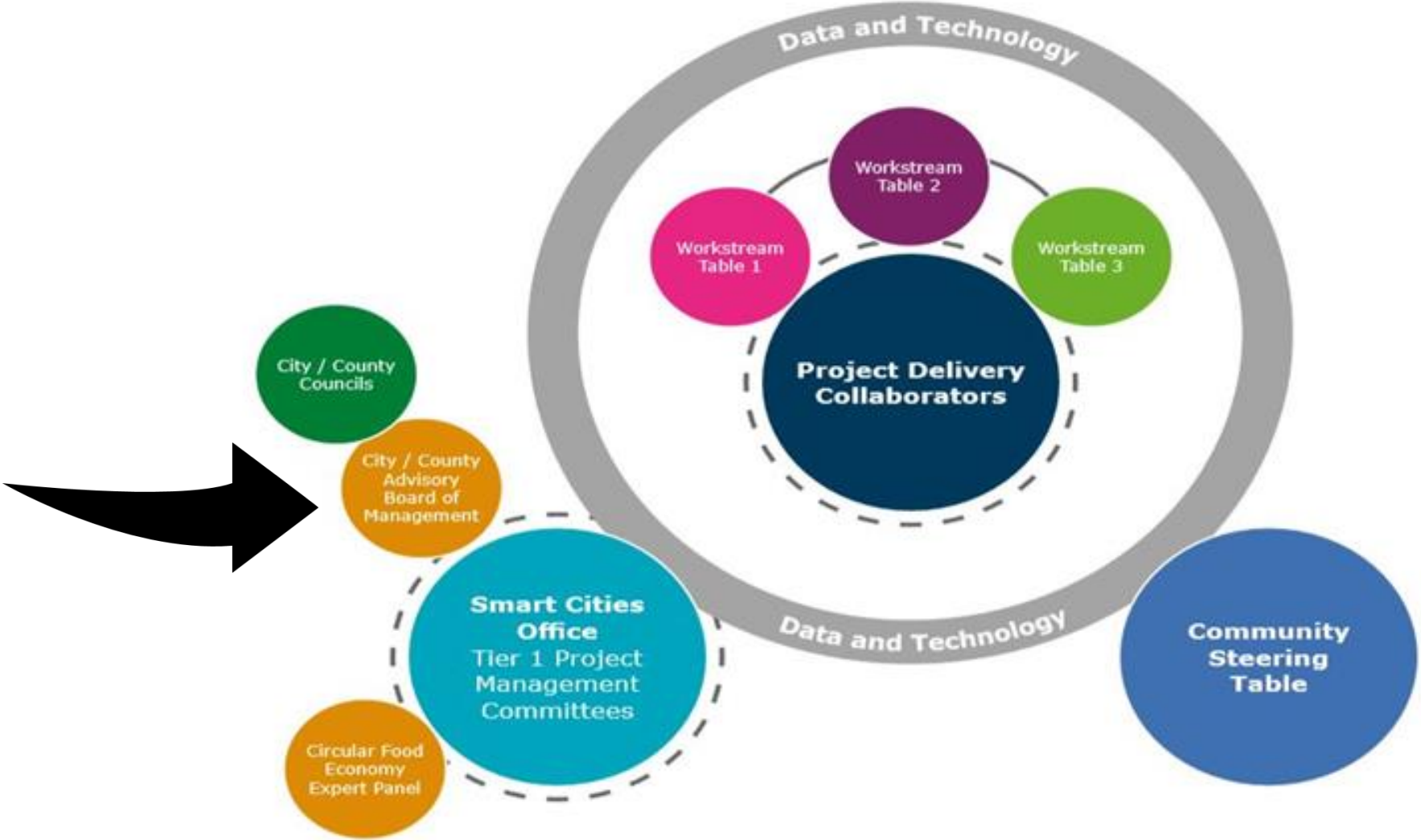


County data and tech projects

- Rural Broadband Project
 - Identify barriers and increase access to broadband service in rural communities
 - Test the viability of bulk purchasing high-speed internet
- On-Farm Project
 - Test new digital technologies to measure and record crop yields and quality
 - Create a living lab to act as an incubator for innovation



Proposed governance structure



Recommendations

1. That Council confirm its approval and support of the achievements to date under the Smart Cities Project, including all management, administrative, financial, and contractual aspects.
2. That Council appoint the Mayor to the Advisory Board of Management of the Our Food Future initiative and that this appointment be reviewed twice per term as part of Council's nomination committee process.



Our Food Future

Guelph-Wellington

