



# *TACKLING FOOD WASTE IN MONTREAL*

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# *FOOD WASTE - SDG 12*

- Responsible Production and Consumption
- 1/3<sup>rd</sup> of food produced worldwide is either lost or wasted globally equivalent to 1.3 billion tonnes per year
- Food is lost or wasted throughout the supply chain from agricultural production to household consumption
- **Food that never gets eaten represents a waste of resources, such as land, water, energy, and soil, and other inputs used in production, increasing greenhouse gas emissions if not diverted from landfill**

# *FOOD WASTE IN CANADA*

1. 58 per cent of all food produced in Canada is lost or wasted – 35.5 million tonnes
2. 4.82 million tonnes of food - \$ 21 billion worth is lost or wasted during the processing and manufacturing process
3. 2.38 million tonnes of food – more than \$ 10 billion worth is lost at the consumer level
4. Value of all food that is lost or wasted in Canada is \$ 49 billion
5. The amount of food is enough to feed every Canadian for 5 months
6. **“The Avoidable Crisis of Food Waste”** 2019 report by Second Harvest

# *FOOD WASTE IN THE CITY - SOURCES*

- Supermarkets
- Grocery Stores
- Households
- Social Events
- Restaurants
- Cafes
- Other organizations



## *BEST BEFORE DATES - SUPERMARKETS AND GROCERY STORES*

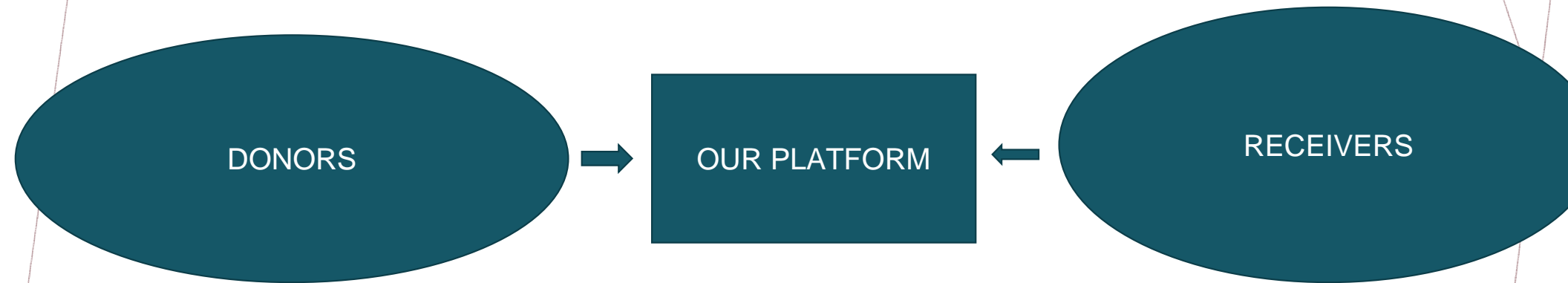
- Consumers and retailers throw out food near or past its best-before date, despite the fact product dating practices "have no correlation to food safety" and the food can often still be eaten or donated
- Apps like **Flashfood** and **Foodhero** leverage on this by providing discounts on best before items in stores incentivizing consumers to buy these items reducing food waste at the retail level
- Tie ups with stores like Proviso and IGA



# A PROPOSED PLATFORM TO ADDRESS FOOD WASTE - HOUSEHOLD LEVEL

- Addressing Food Waste at the household level
  - Diverting extra food at household level to those in need
  - Idea brainstormed for the Impact 200 McGill Bicentennial Sustainability Challenge
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- Objective of our proposal is to address food waste on the Island of Montreal.
  - Creating a platform to connect donors and receivers of food
  - Receivers can choose tag words (#eggs #jam etc.) of food they are looking for in the platform
  - Platform connects donors and receivers of similar type
  - Example: Person A joins the platform as Receiver ( selecting tagwords like jam, butter, sweet edibles, breakfast items). Person B joins our platform too as a donor selects the same tagwords as Person A and puts for example extra jam for donation. The algorithm of our platform would connect donors and receivers with the same tagwords. They can then message each other and set up a time and place for meeting. After the exchange takes place, both rate each other ( like on Uber). Rating gives an idea as to who which donors and receivers are reliable. Some donors may just give expired food and some receivers may not just turn up to collect the food. Both would then deserve a low rating and reduce their credibility for future transactions. Also, donors and receivers will be connected in a particular borough
  - This platform would be at the borough level – Like Ca va ou? The Quebec Waste Education app which is borough specific

# *CHANELLING EXTRA HOUSEHOLD FOOD TO PREVENT FOOD WASTE*



The background features several thin, dark lines that intersect to form various geometric shapes, including rectangles and triangles, creating a minimalist, abstract pattern.

*THANKYOU*