

**OFFICE DE CONSULTATION PUBLIQUE DE MONTRÉAL  
OCPM**

**LA RÉDUCTION DE LA DÉPENDANCE MONTRÉLAISE AUX ÉNERGIES FOSSILES**

Perspective de l'O Ouverte

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**Montreal's Fossil Energy Dependency Reduction**

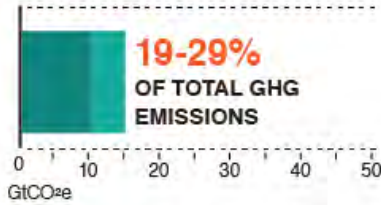
Ricardo Vera  
Montréal, March 2016

Let's not forget that the problem is not about **consumption** of fossil fuels, per se;  
It is about the **GHG Emissions** they produce when transformed to energy, (i.e burnt).

## **GHG Emissions**

And, from the **GLOBAL** perspective (Climate Change),  
Food Systems are responsible for up to **30%** of the Emissions<sup>1</sup>.

Agriculture is visualized as a small fraction, when observed from the consumption point of view,  
but in reality it is important when it's looked at from the **Food System**, and the **Emissions** perspective.

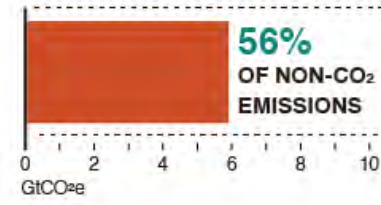


Food systems emissions  
contribute **19-29% OF TOTAL  
GHG EMISSIONS.**

Agriculture (production) being about

**80%**

of Food System Emissions<sup>2</sup>



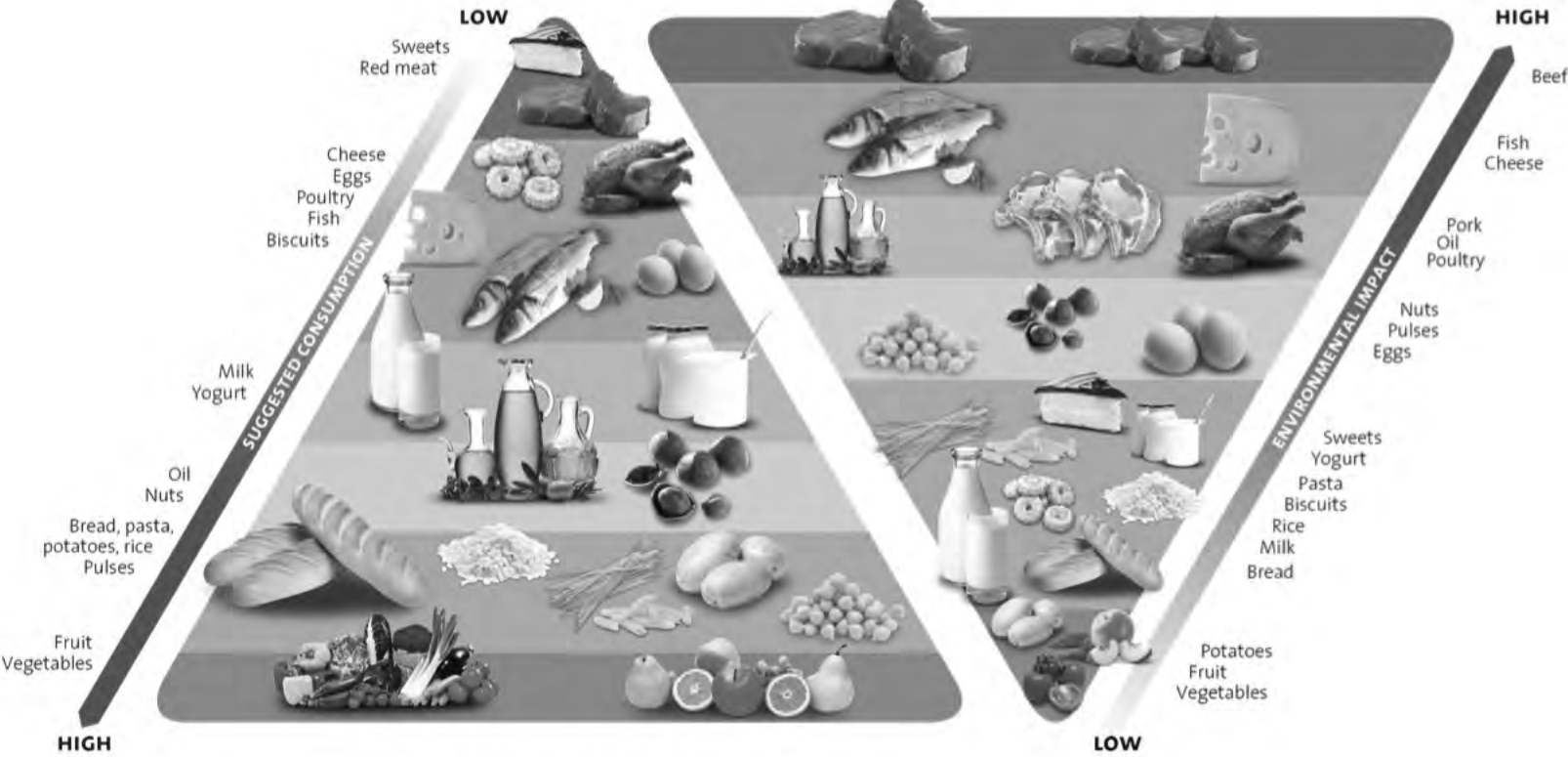
Agriculture is the  
largest contributor of  
non-CO<sub>2</sub> GHGs.

**AGRICULTURE = FOOD System**

1 <https://ccafs.cgiar.org/bigfacts/#theme=food-emissions&subtheme=direct-agriculture>

2 <https://ccafs.cgiar.org/news/press-releases/agriculture-and-food-production-contribute-29-percent-global-greenhouse-gas#.VuCBw8djrsM>

### ENVIRONMENTAL PYRAMID



### FOOD PYRAMID

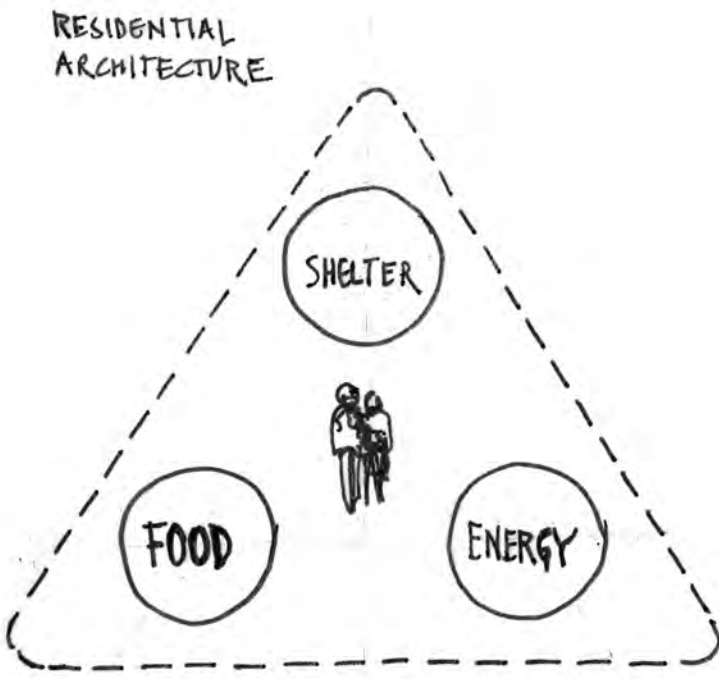
The Food System spends **10 CALORIES** of energy to produce **1 CALORIE** of food.

(In a High Meat diet is up to 25-30 CALORIES)

INDIVIDUAL  
COMMUNITY

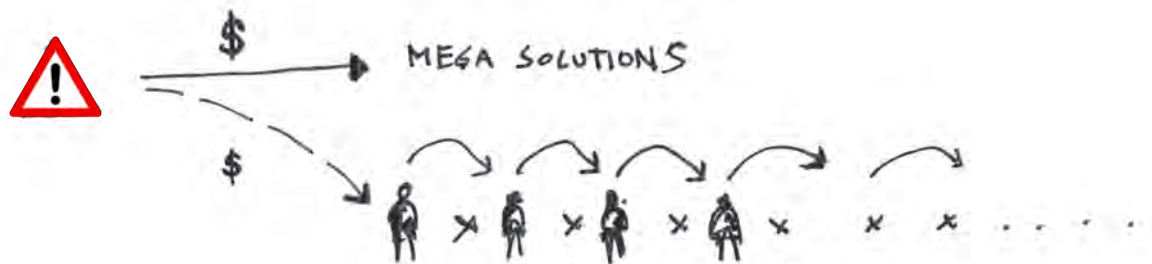
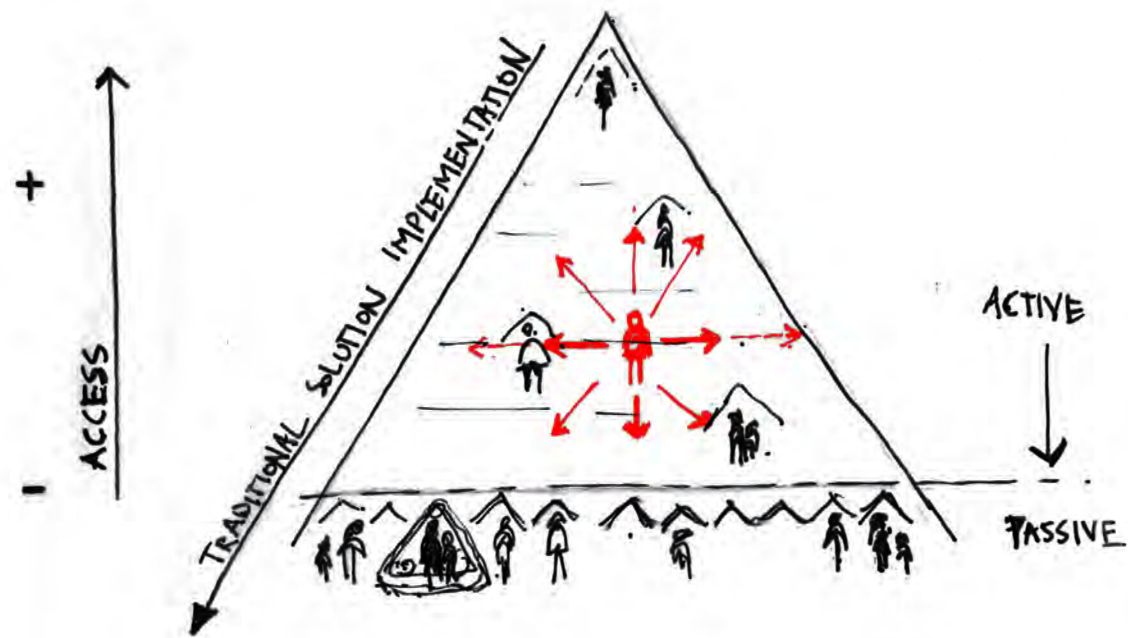


**Individual NEEDS** that define environmental & carbon footprint

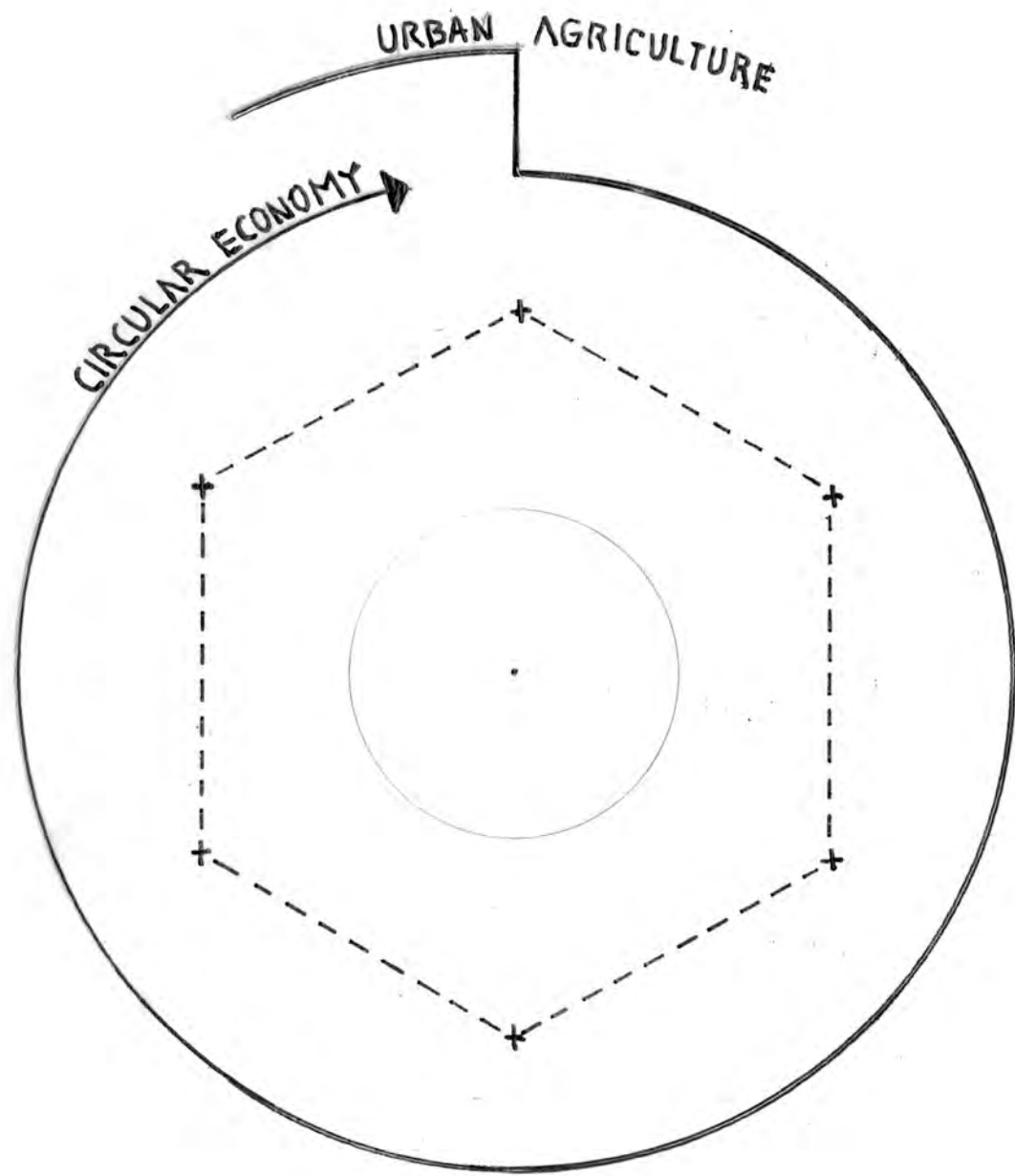


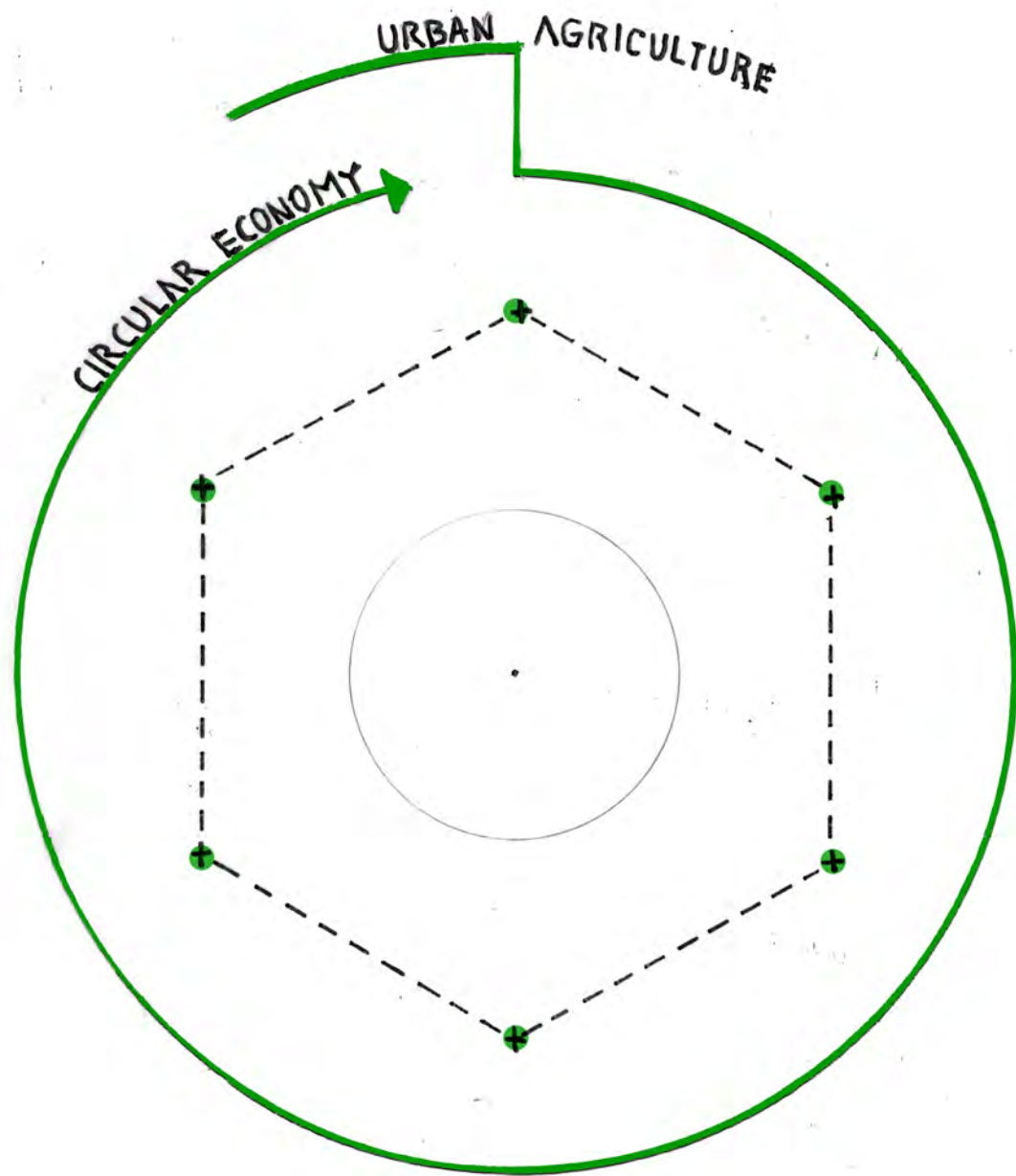


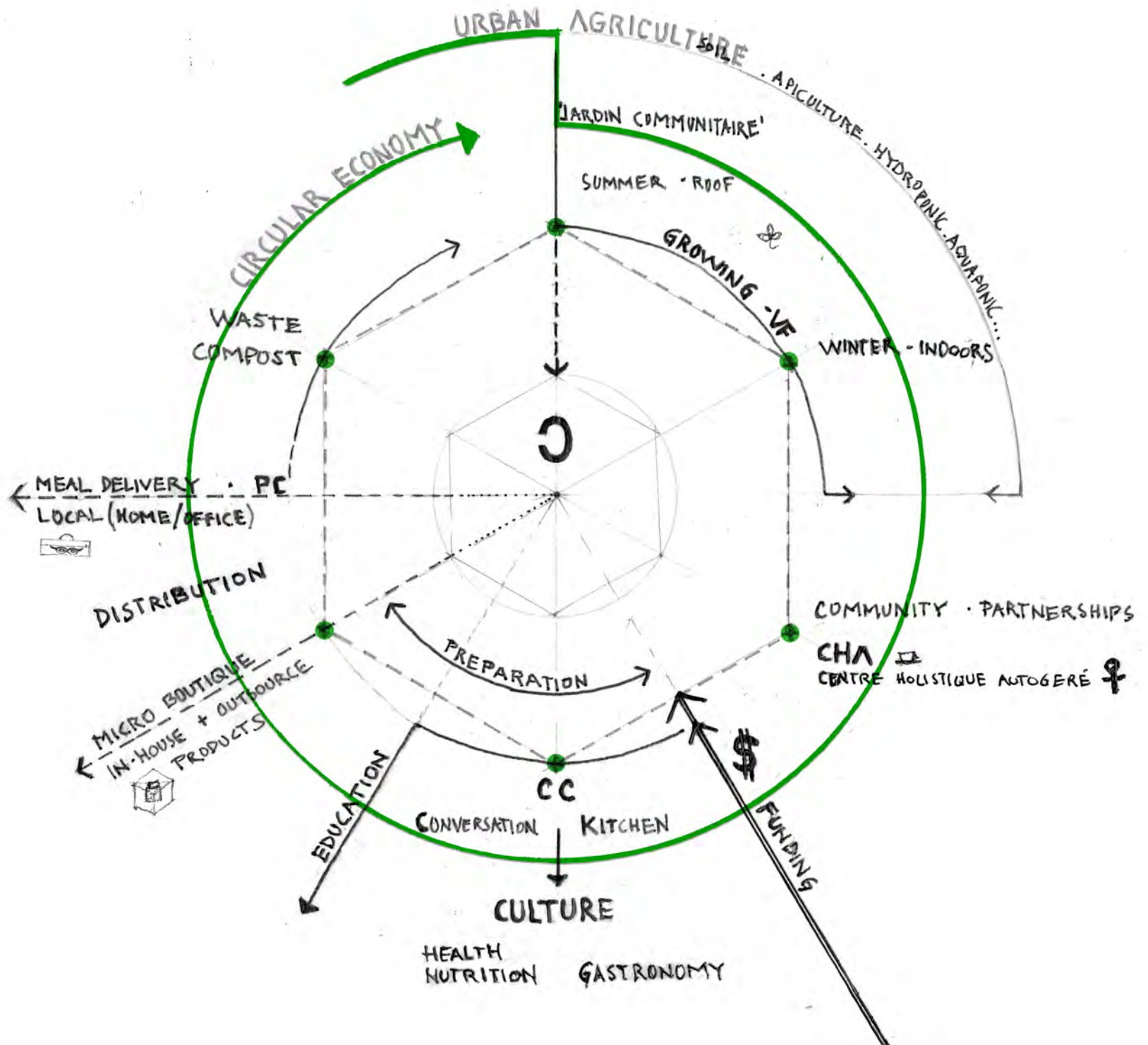
# IMPACT



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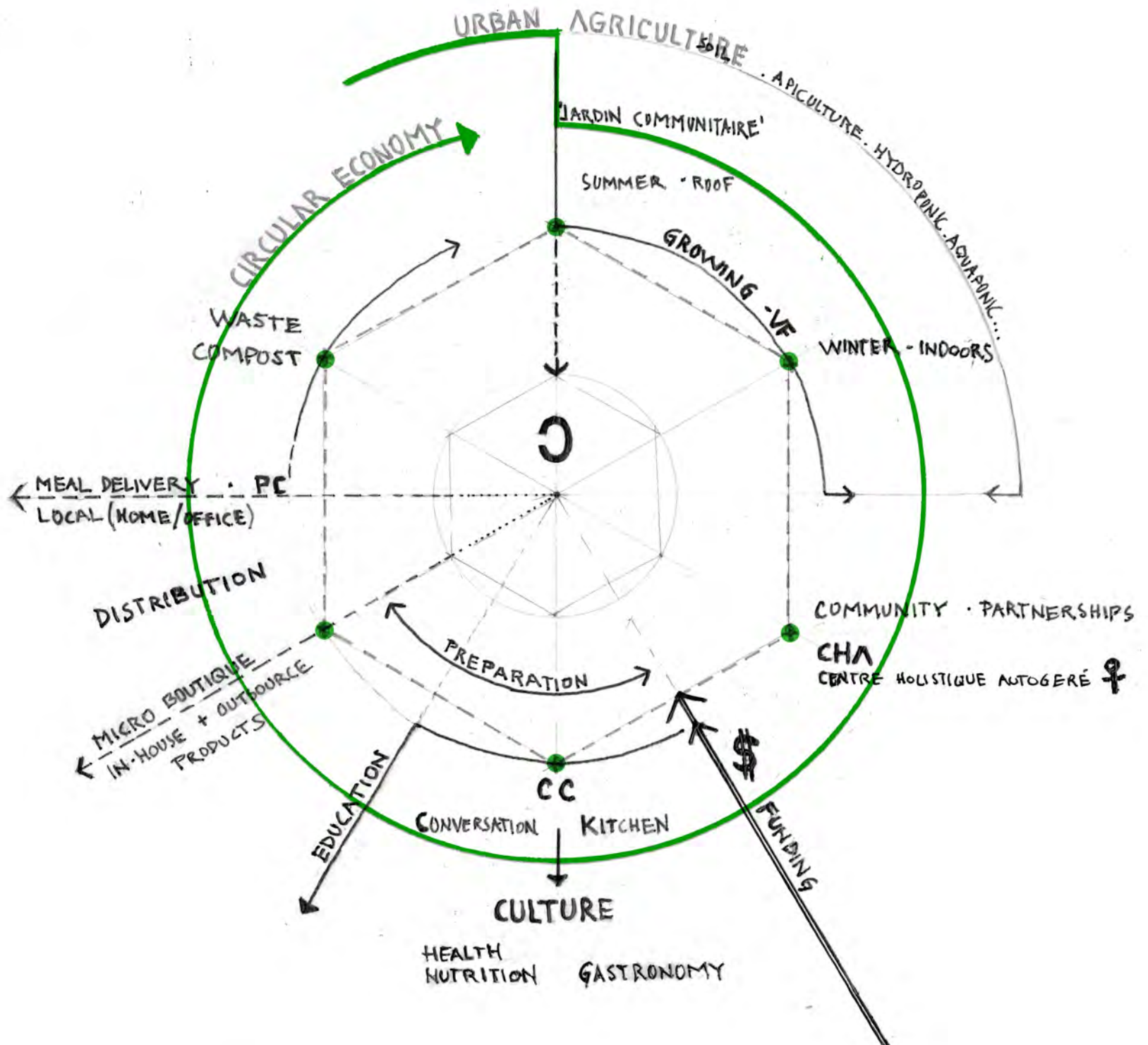


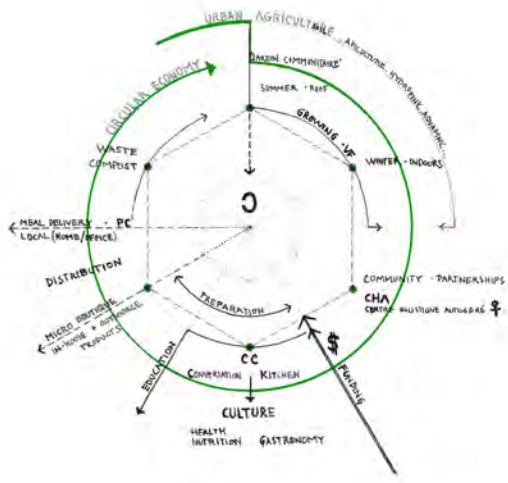
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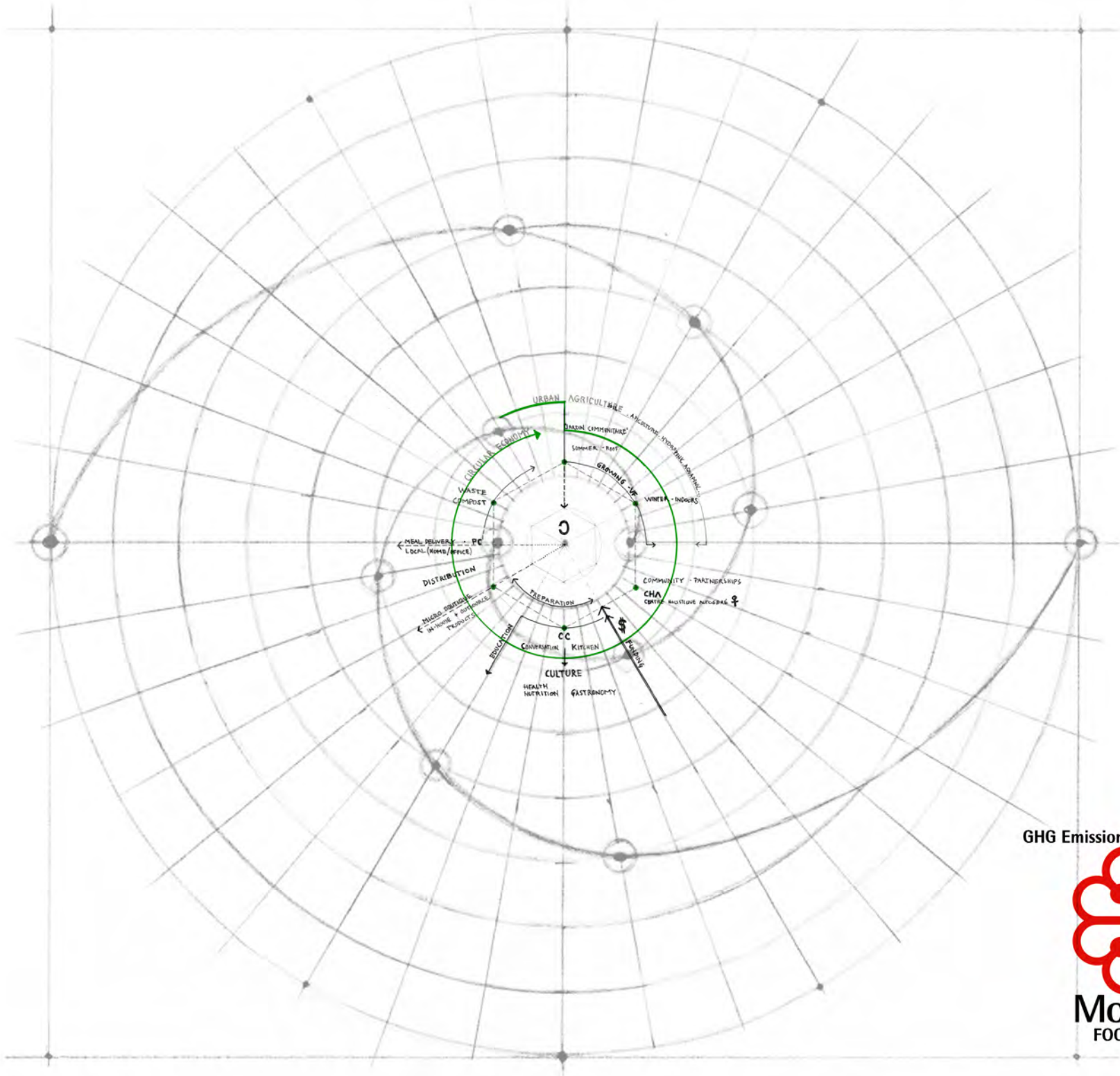
Montréal

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GHG Emission Reduction Program





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## OCPM Presentation Vernissage – O Ouverte

Let's not forget that the problem is not about the consumption of fossil fuels, per se; it is about the **Greenhouse Gas Emissions** they produce when transformed into other forms of energy.

The work-frame for this proposal is the relationship of the food system and the dependency on Fossil Energies and in consequence with GHG Emissions.

From a global perspective (climate change), food systems are responsible for up to *30% of the Emissions. Agriculture (production) being about 80% of this percentage.*

The remainder it's attributed to processing, packaging, distribution, consumer practices, waste management, etc.

*Agriculture is also the largest contributor of non CO2-GHGs (56%).*

For more details on this subject, I invite you to review a brief **Mémoire** presented to the OCPM on this public consultation, which by the way, are all available online on the OCPM website.

Not just about the environment, but **also in terms of health**, here is a representation of the Food System footprint versus the suggested consumption.

The point is that our current food system needs about 10 Calories of energy to produce only 1 Calorie of food. And in a high-meat diet it accounts for up to 30 calories.

**Our PROPOSAL:** Is to focus interventions on The Individual (Community)

We believe that great changes happen mostly at the human scale, and **education and communication** are the most effective strategies to achieve the objective proposed by this consultation.

The immediate **needs of the individual** which define his environmental footprint can be simplified to: Shelter, Energy and Food.

“Mega solutions” are normally costly and take time to be implemented, so **the goal is** to increase the level of consciousness of influential individuals in regards to their consumption and food choices, in order **to create a chain reaction effect.**

### HOW?

*Through the Open O-rganization, which promotes wellbeing by using mainly the Food Practices as social and educational instruments to connect people and to sensitize them about the subjects of healthy food, and food quality.*

*The O's space, activities and interactions are based on sustainable, responsible, and inspirational models.*

This particular **demonstrative** model proposes to develop interconnected projects ♦ including all aspects of the complete **circular** process, **under one roof:**

- From Production: with intensive implementation of Innovative Urban Agriculture solutions, such as architecture integrated Hydroponics and Aquaponic systems to grow food all year round.
- The Preparation and Distribution, within the contexts of nutrition and health;
- To the economic and cultural aspects, including social responsibility principles, waste management, composting and energy efficiency.

This *Hub* is also conceived as an *incubator* of related activities and projects not just our own, but as an umbrella to empower other emerging initiatives as well as existing compatible “sister” organizations.

The O's main intention is to invite people to explore the possibility of a **conscious lifestyle** oriented towards wellbeing from an individual scale.

### **What do we need from the City of Montreal?**

- To include the Montreal Food System in the environmental agenda.
- The immediate implementation of an independent entity specifically commissioned to deal with all the food system aspects; be it a *Conseil des Politiques Alimentaires* or any another.
- To secure the availability of appropriate funding not just to support our existing projects, but to implement and sustain those which are complementary; and to create or reinforce partnerships.
- And, the active engagement from the community in regards to the subjects discussed.

A positive reaction to this request, would simply multiply ♦ the impact of the Open Organization.

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March 20, 2016