

## Vancouver Food System Resilience

## Produce Row

on  
Malkin Avenue

A program that helps cities around the world develop resilience strategies

**100 Resilient Cities**

Rockefeller Foundation



## Produce Row

A major hub of fresh fruits and vegetables distribution for independent retailers in Vancouver (SSA, 2016).

## Why Produce Row?



Readily available

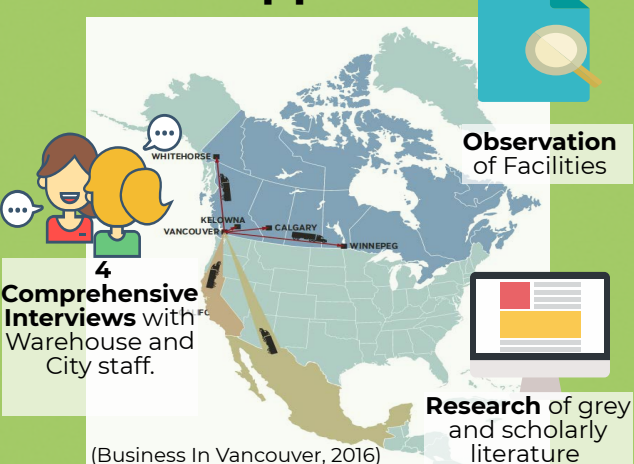


Distribution Hub



Transportation

## Our approach



## Objective

Analyze the resiliency of Vancouver's food distribution with a focus on Produce Row to determine its current vulnerabilities towards:



## Location

One of the choke points in food distribution system

(Zeuli & Nijhuis, 2015)



## Local Shocks

Can help to prevent, prepare, respond and recover from specific disturbances

(Public Safety Canada, 2016)



## Transportation

A major challenge under extreme conditions

(Zeuli & Nijhuis, 2015)

## Our findings

## Incoherence between Produce Row and the Community



Transportation: **70%** by truck, 20% by boat, and 10% by air

Location: "Moderate" risk area  
Infrastructure: old buildings with no back up generator



Extreme weather conditions cause transportation vulnerabilities

Emergency plan: Large businesses are more likely to have emergency plan in place



## Take-home messages

The food distribution efficiency and resiliency is limited by infrastructural/geographical layout, transport networks, and emergency strategies

## SUGGESTIONS



Strengthen Infrastructure



Do community collaboration



Create distribution units in Vancouver