

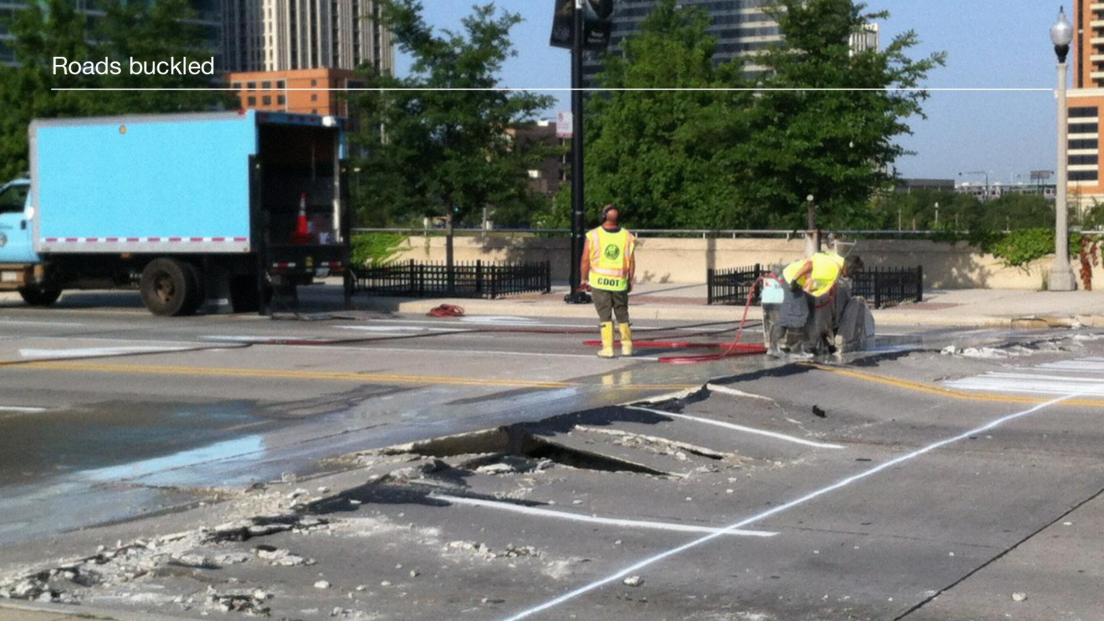


# What is the connection between urban design and happiness?

# Chicago, 1995

What are the effects of urban design on population health and wellbeing during an epidemic?









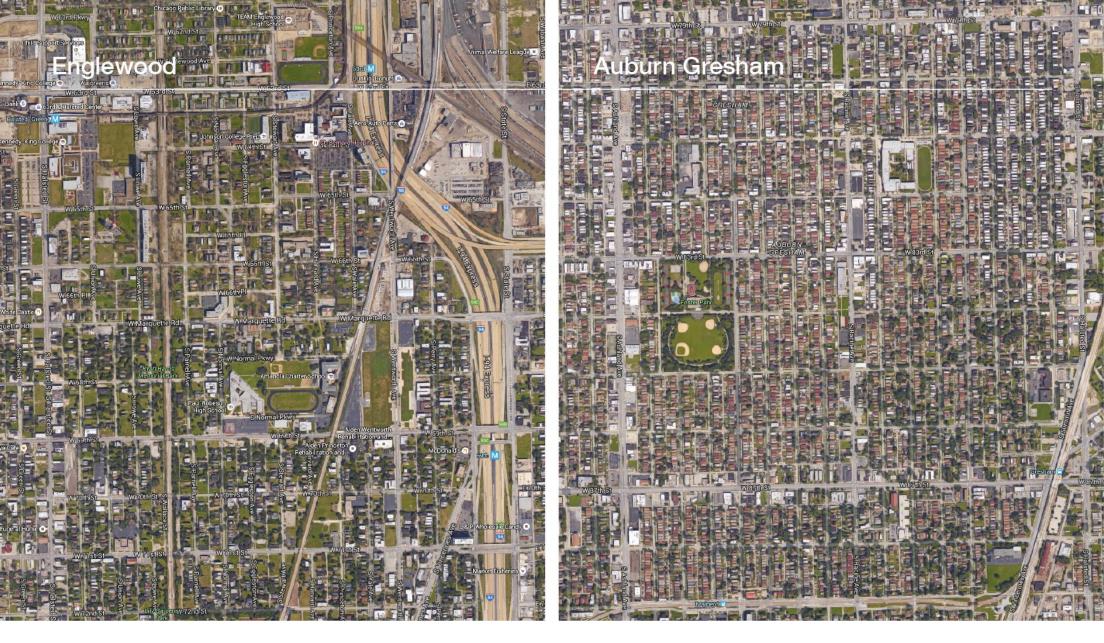






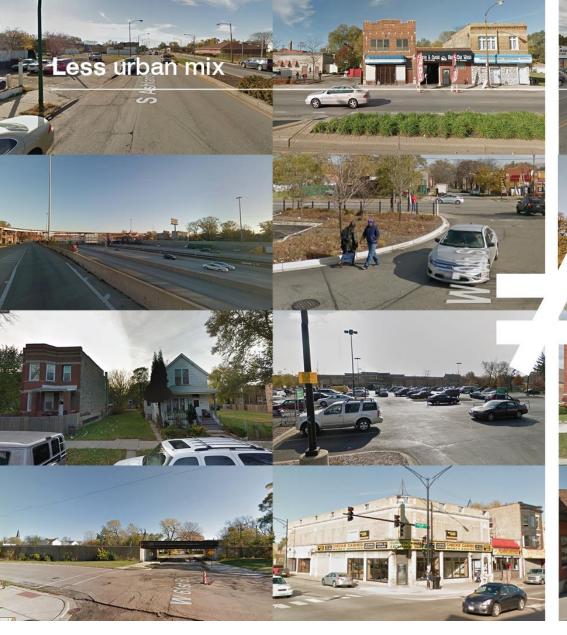


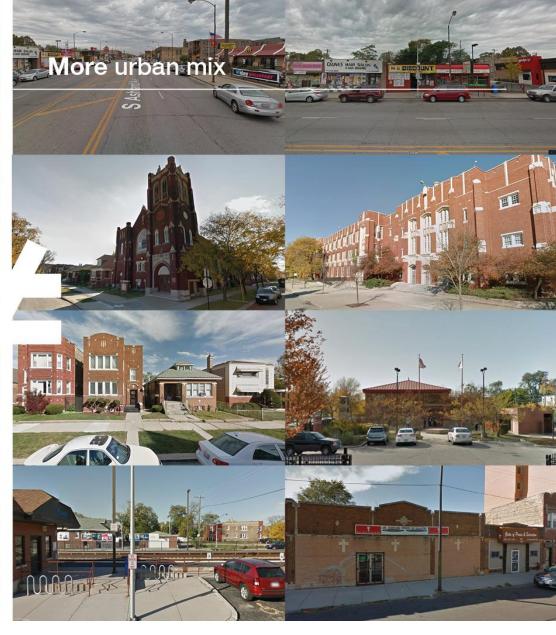




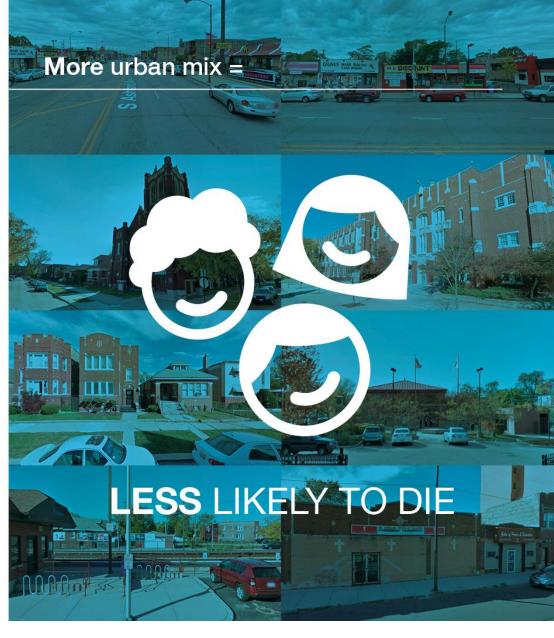


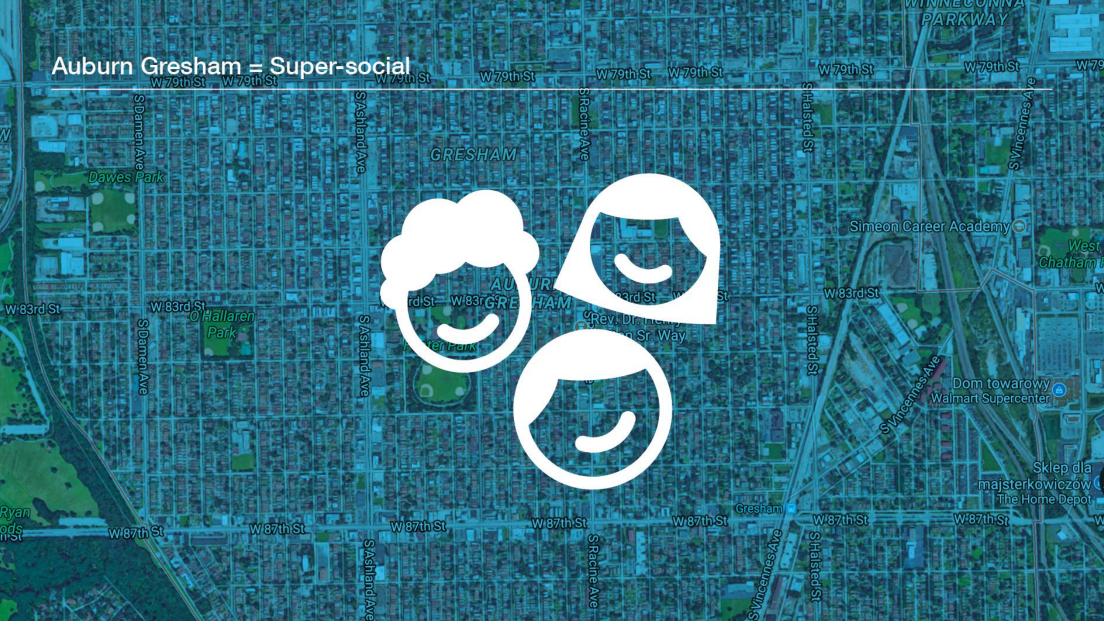










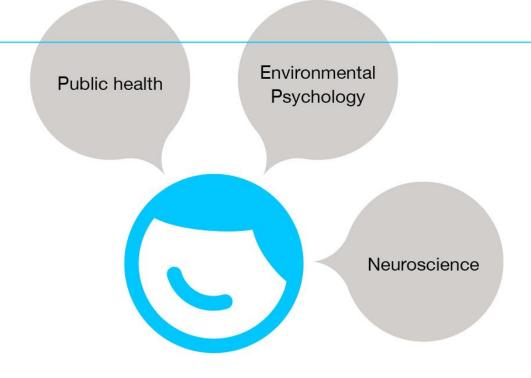


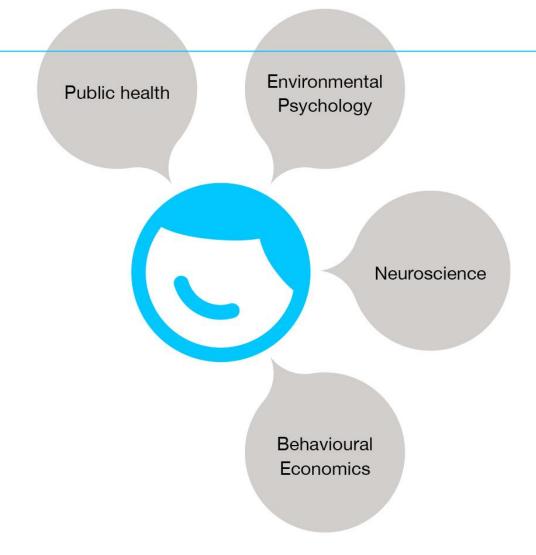
# Cities design how we connect, move and feel.

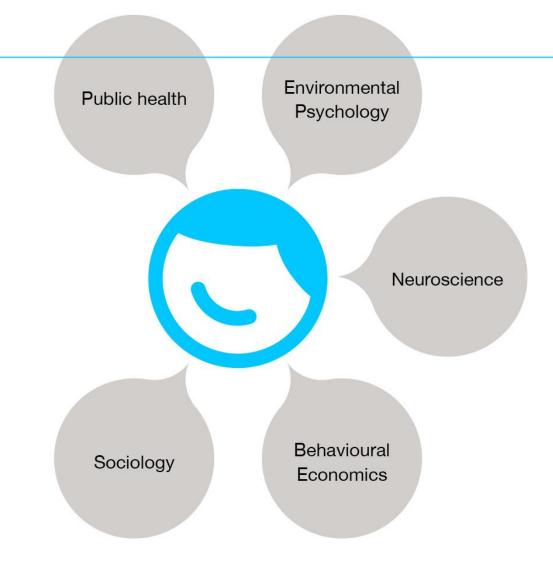
#### Public health

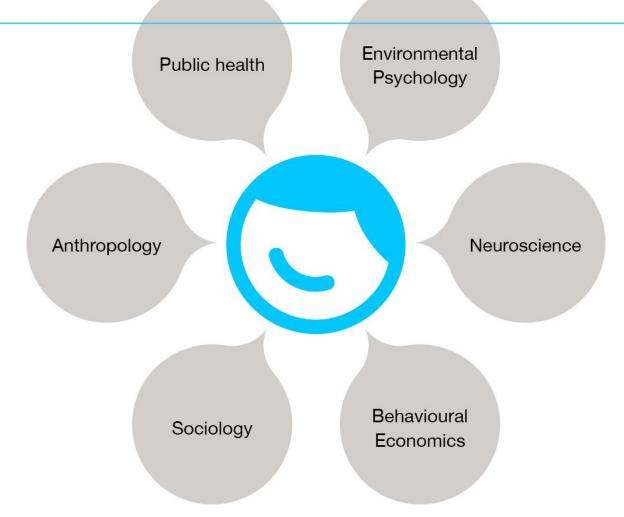


Public health Environmental Psychology



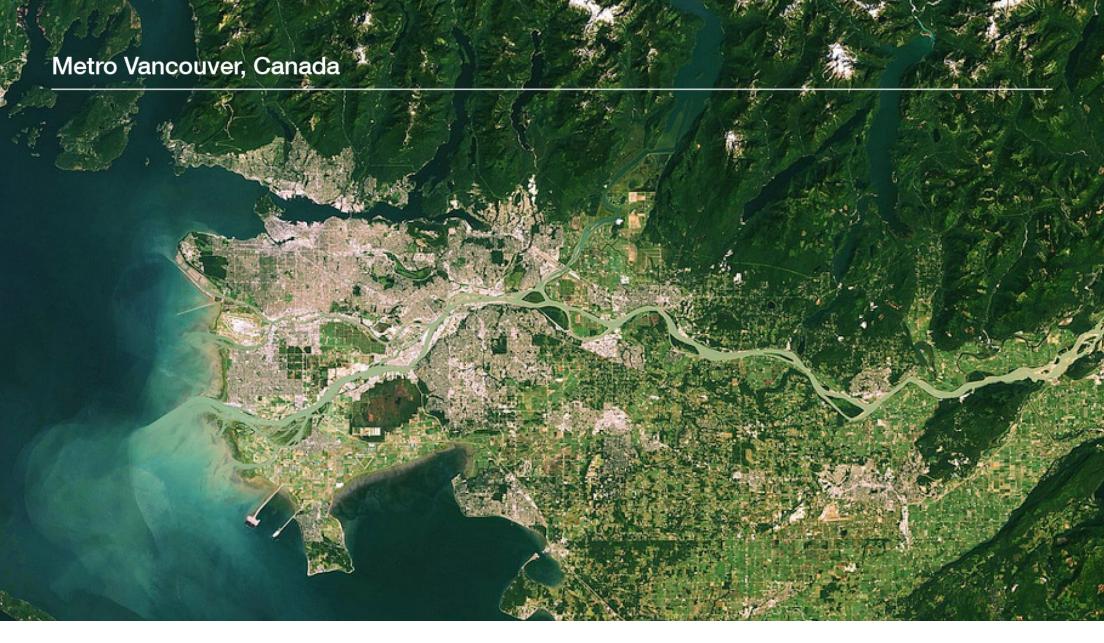






# Engaged City Task Force

Vancouverites are disconnected from one another and disengaged from local political engagement.

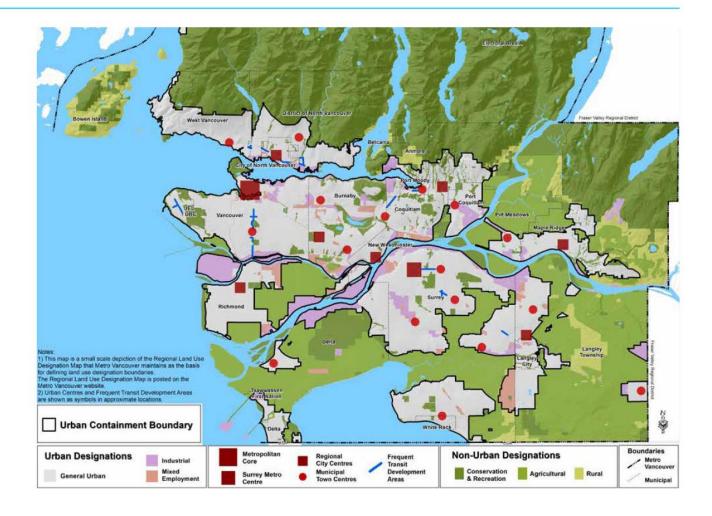


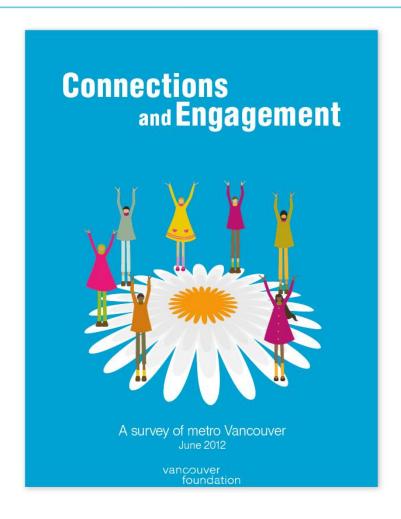
#### Metro Vancouver, Canada

- · 21 municipalities
- · One treaty first nation
- · One electoral area
- Working together for a 'Livable Region'

Village of Anmore Village of Belcarra City of Burnaby City of Coquitlam Corporation of Delta City of Langley Township of Langley Village of Lions Bay District of Maple Ridge City of New Westminster City of North Vancouver District of North Vancouver City of Pitt Meadows City of Port Coquitlam City of Port Moody City of Richmond City of Surrey Tsawwassen First Nation City of Vancouver District of West Vancouver City of White Rock Fraser Valley Regional District

Squamish-Lillooet Regional District





### Connections and Engagement A Closer Look



#### The consequences of loneliness

Vancouver Foundation's survey found that metro Vancouver can be a challenging place to make new friends. One in three people say it is hard to make new friends here. And one in four say they are alone more often then they would like to be.

When we first released these findings, particularly the one about londiness, a common reaction was, "This means 75 per cent of us are not lonely, so what's the problem?" We learned it is a bit more complicated. First of all, only 52% say they don't feel lonely, while 24% "neither agree or disagree" or "didn't know" if they were alone more often than they wanted to be.

As well, the data gives us insight into the consequences of loneliness — for individuals and for the community. It turns out that feeling lonely is linked to a series of negative attitudes that could have an impact on the entire community.

#### **Key findings**

- Those who are lonely or experience difficulty making new friends are much less trusting of others, feel less cohesion with their neighbours and are much less likely to feel a sense of connection to the broader community.
- · Attitudes toward community harden among the most isolated.

As a community, we would be concerned with a statistic that shows 25 per cent of our population suffering from any particular condition. Yet we tend to look at loneliness as inconsequential to anyone but the person feeling it. Our survey shows that loneliness has negative consequences for the entire community. When people feel lonely, they are also more likely to feel unwelcome in their neighbourhood and skeptical about community trust. As well, these residents are less likely to participate in activities that make their community a better place to live.

In other words, loneliness infects so many other aspects of a person's approach to their community.

We should not ignore these members of our community, and should look for ways to enhance their connection to other residents.

#### Survey Results / While social networks were big...



#### Survey Results / People feel lonely



**52%** 

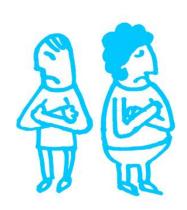
'I don't feel lonely'



24%

'I am alone more often than I would like to be' "Loneliness has negative consequences for the entire community. When people feel lonely, they are more likely to feel unwelcome in their neighbourhood and skeptical about community trust. They are less likely to participate in activites that make their community a better place to live."

#### Survey Results / The negative consequences of loneliness



## Negative or pessimistic attitudes:

Indifference to neighbours

Mistrust of others and politicians

Attitudes towards community
harden among the most isolated



## Decreased wellbeing, poor mental + physical health:

Heart attacks

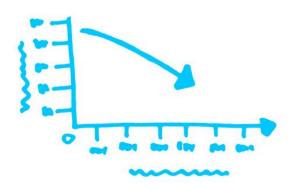
Strokes

Cancer

Depression

Increased risk of dementia

Sleeping problems



## Decreased showing up:

Vote less

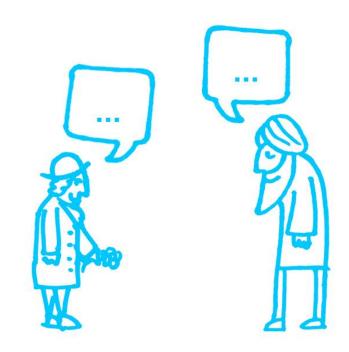
Give less

Volunteer less

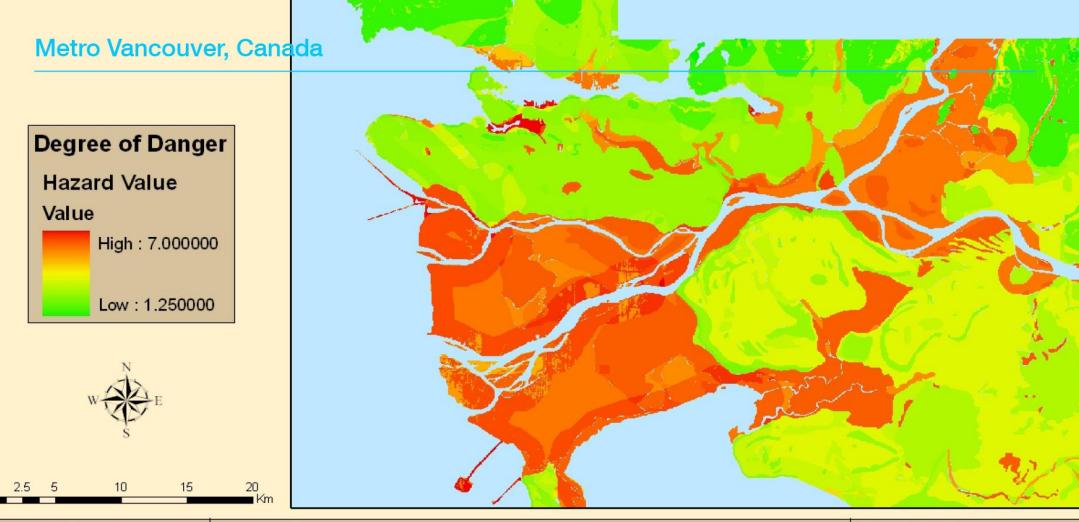
Join less

Care less

#### **Survey Results**



"I don't have anything to offer."



Geography 376 - Final Project Date Created: November 2005

Terence Barretto Patrick Bond Ryan Ko

#### **GVRD: Earthquake Hazard Map**

(Takes Into Account: Earthquake Intensity, Landslides, Tsunami/Flood, Liquefaction Hazards)

Source: UBC Dept. of Geography:

- -GVRD DEM Data, GVRD Boundaries
- Natural Resources Canada Geomap 2005 http://gsc.nrcan.gc.ca
- North Shore Emergency Management Office http://www.nsemo.org

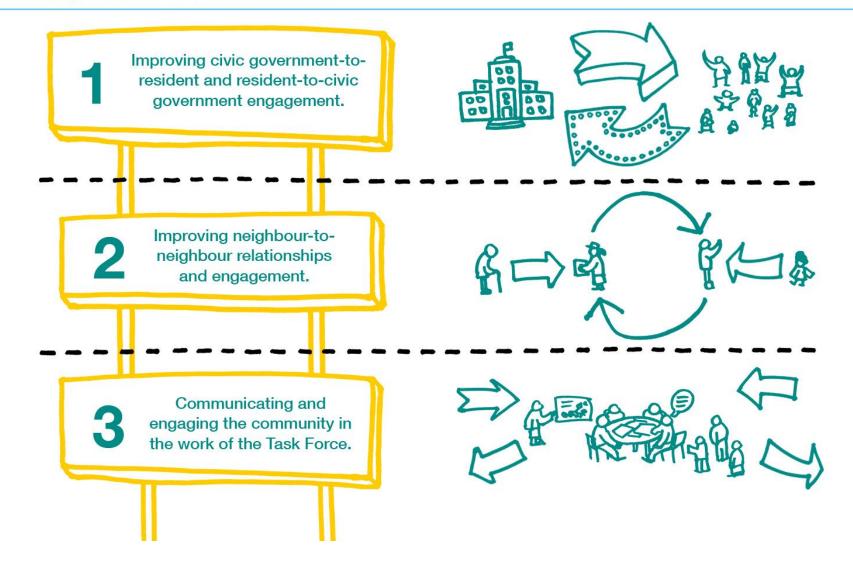
  Map Projection NAD 1983 UTM Zone 10N



# "An ounce of prevention is worth a pound of cure."

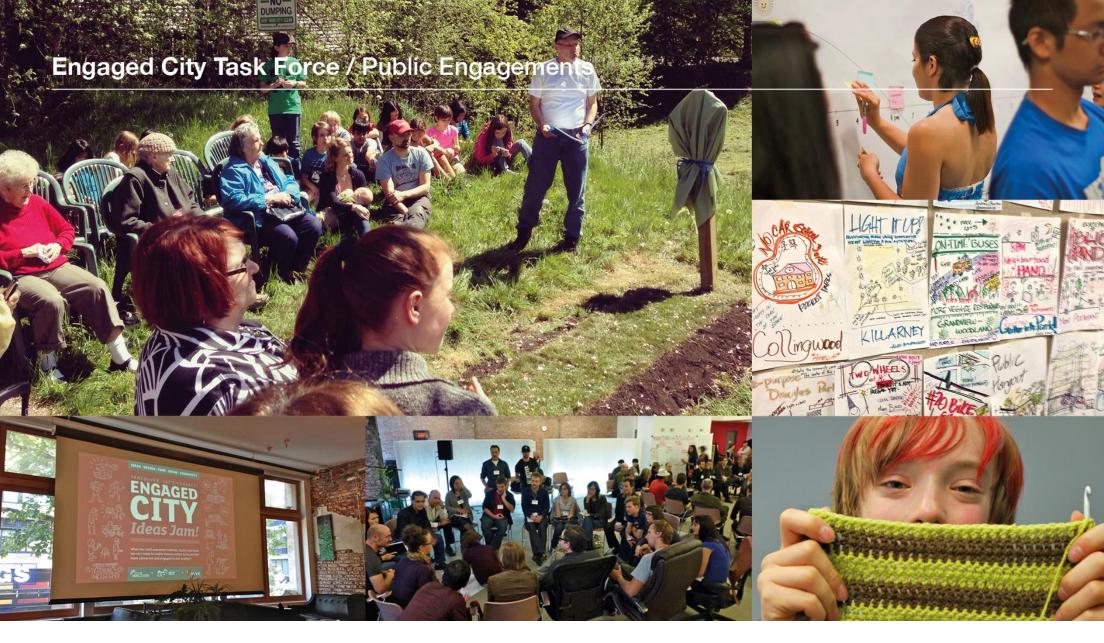


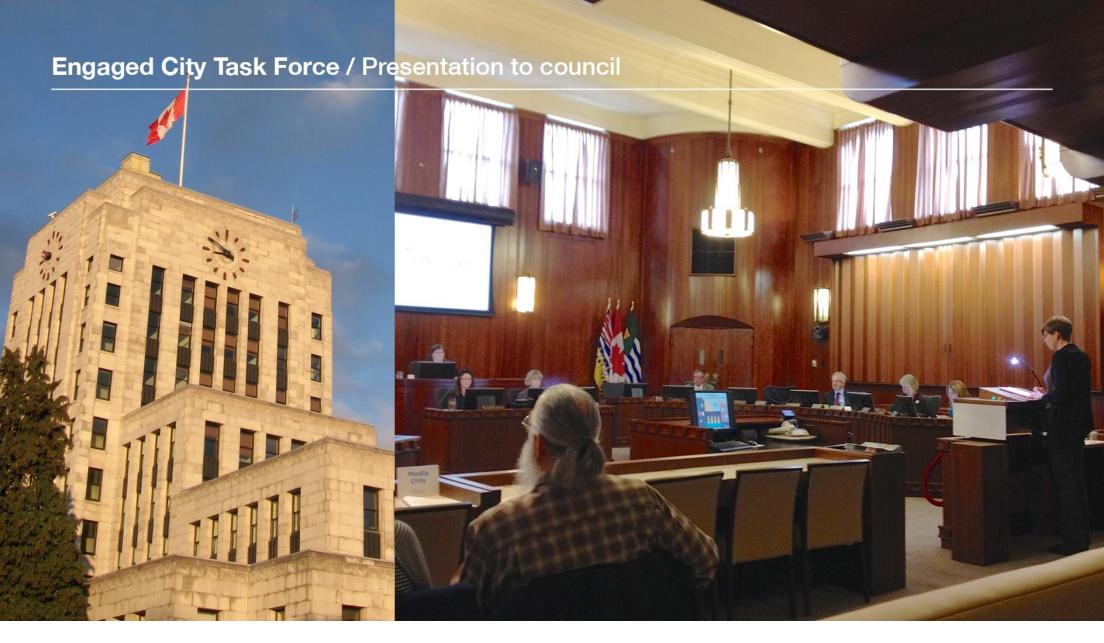
# **Engaged City Task Force / Mandate**

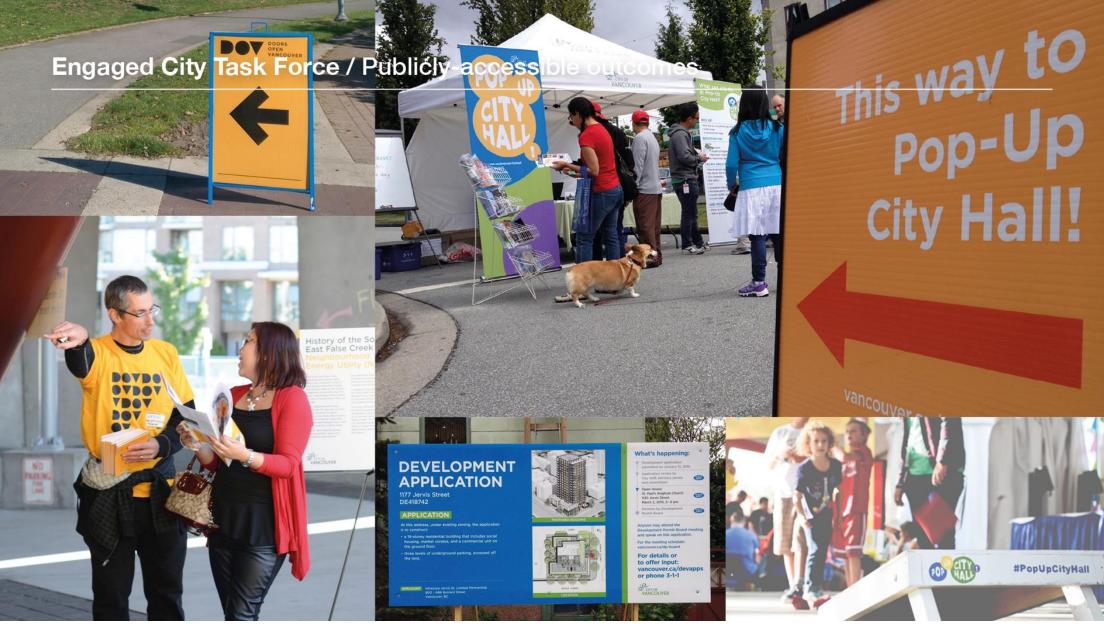






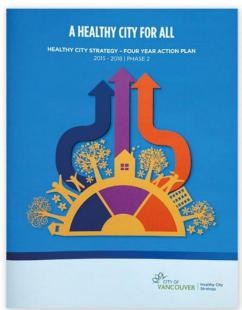


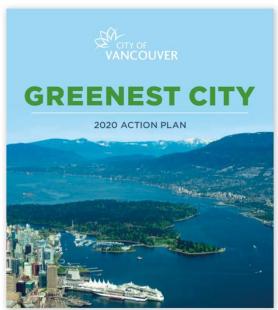


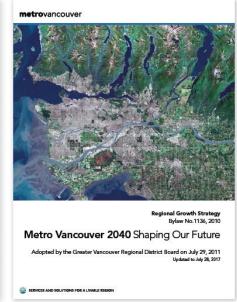


# Reports + Recommendations



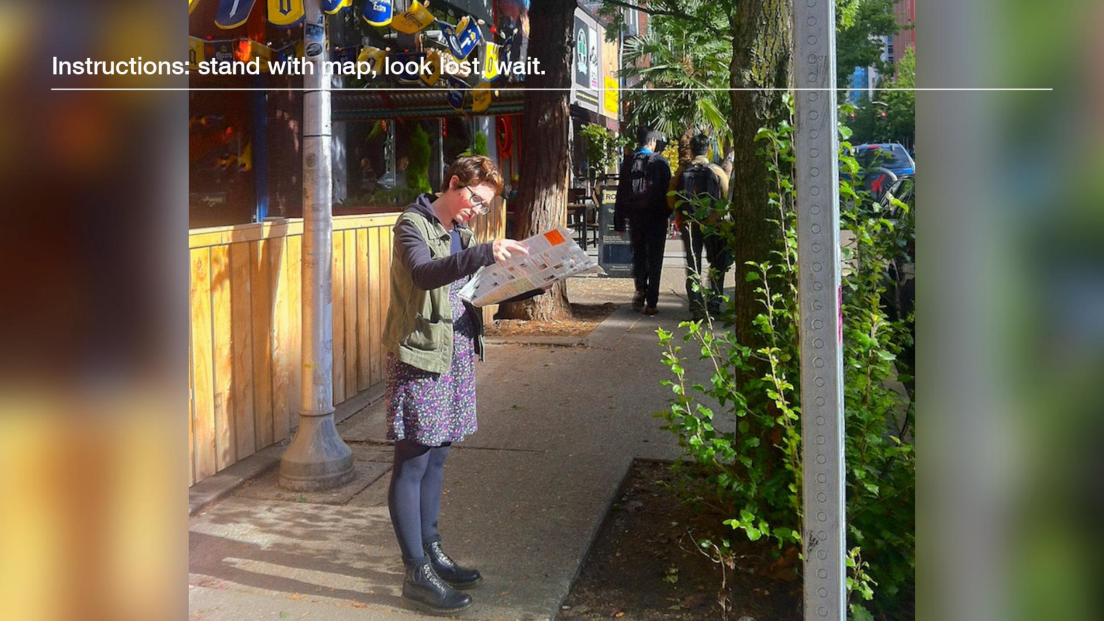


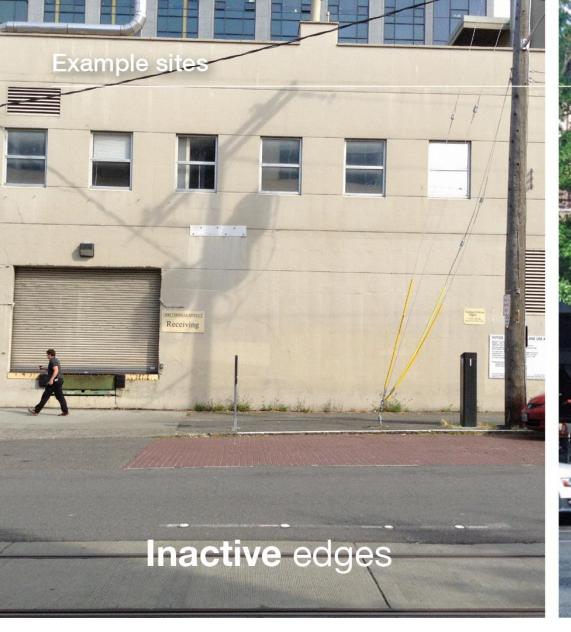


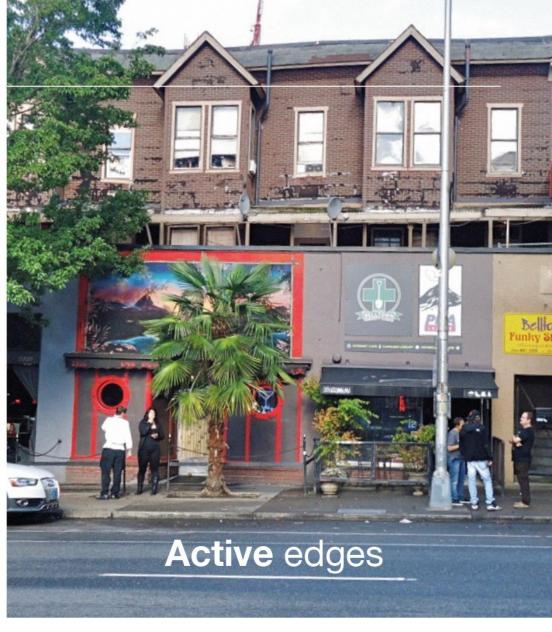


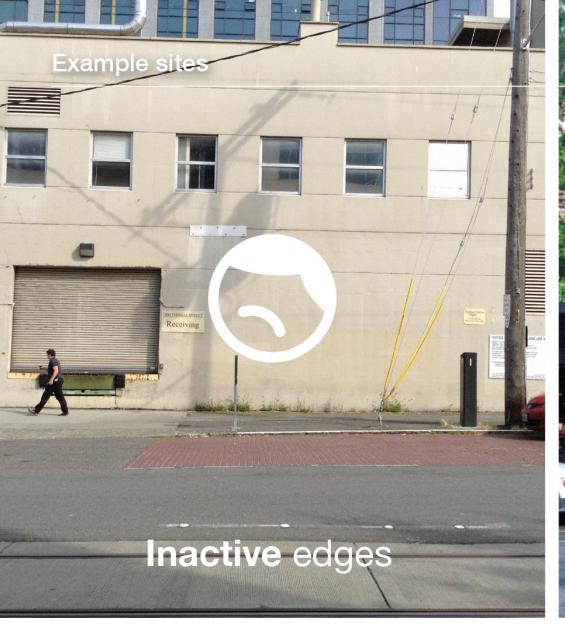
# Lost tourist test

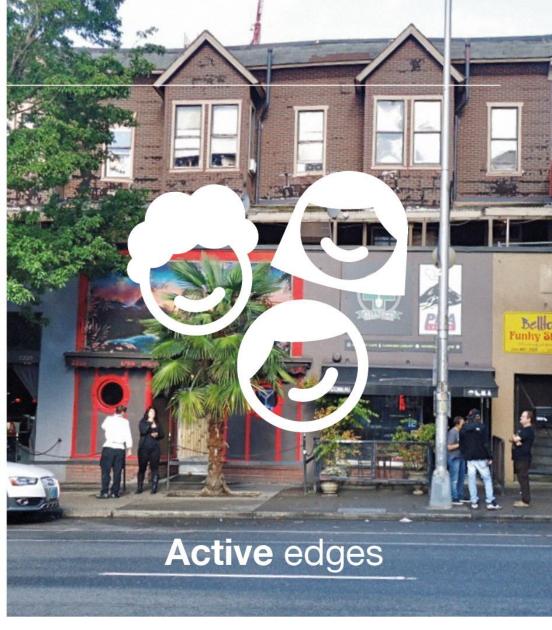
How do specific environments effect our kindness, trust and willingness to assist a lost tourist?



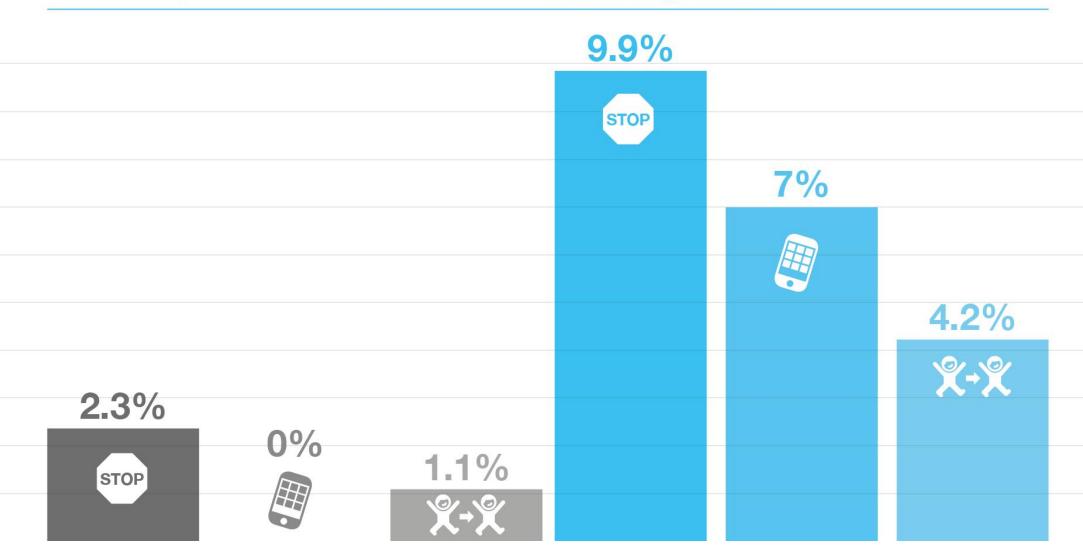


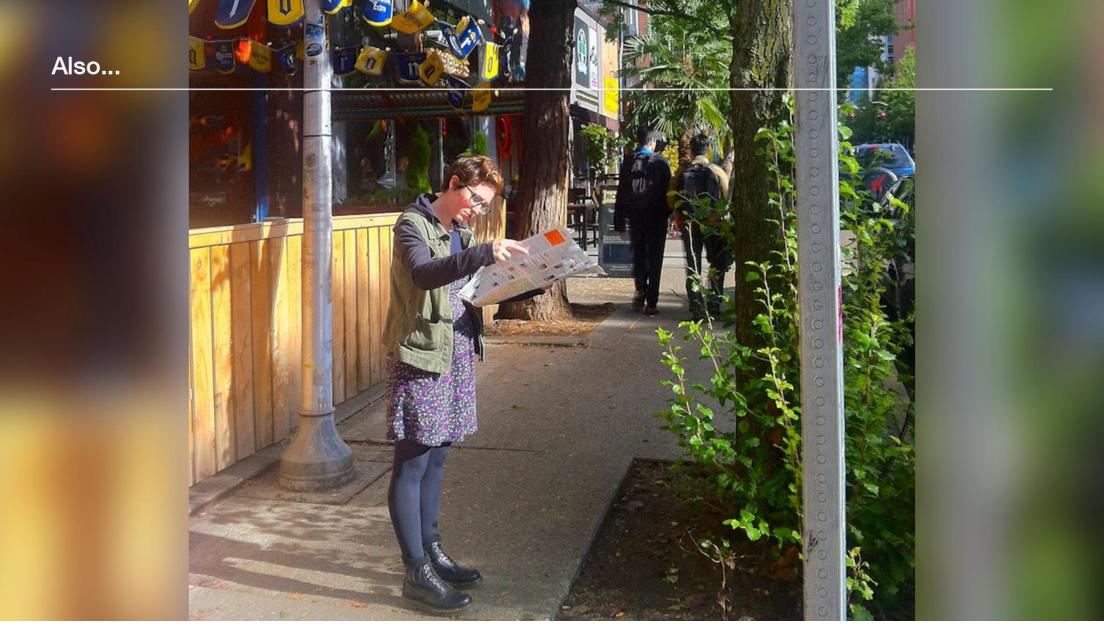


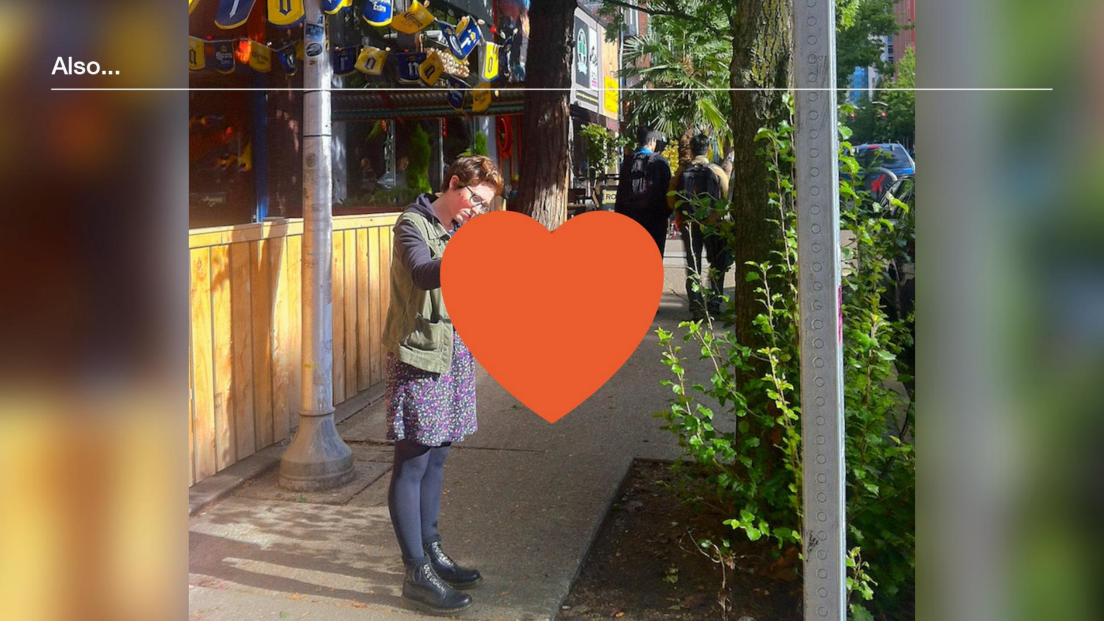




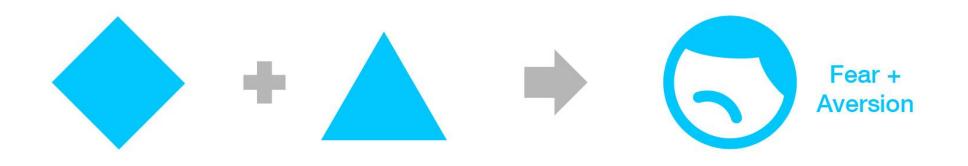
## **Active edge results**

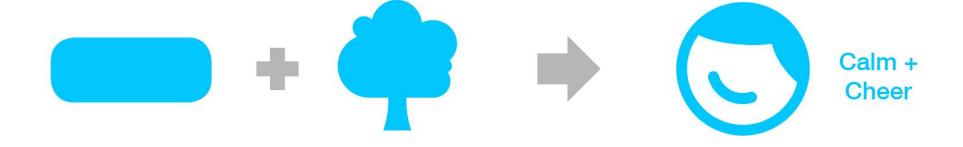






#### Neuroscientists tell us:











































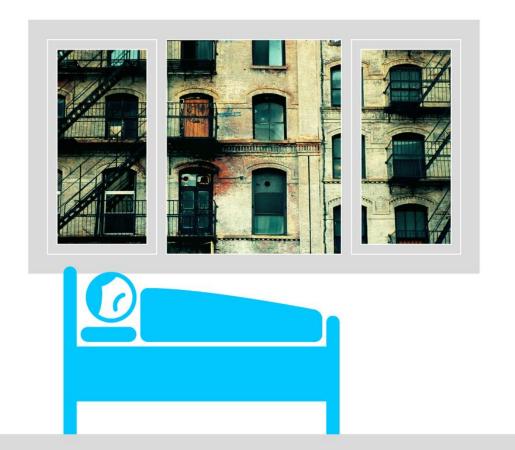


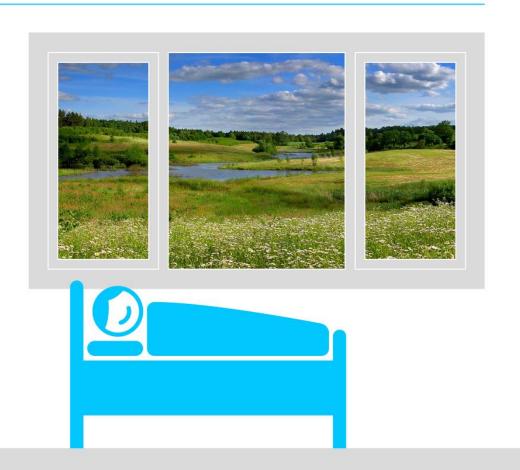




#### Views of bricks

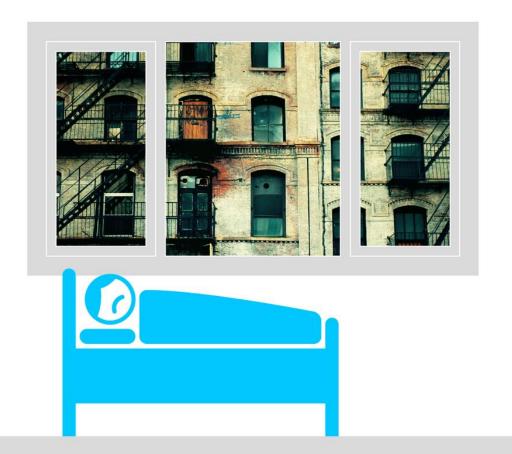
#### Views of nature





#### Views of bricks

#### Views of nature







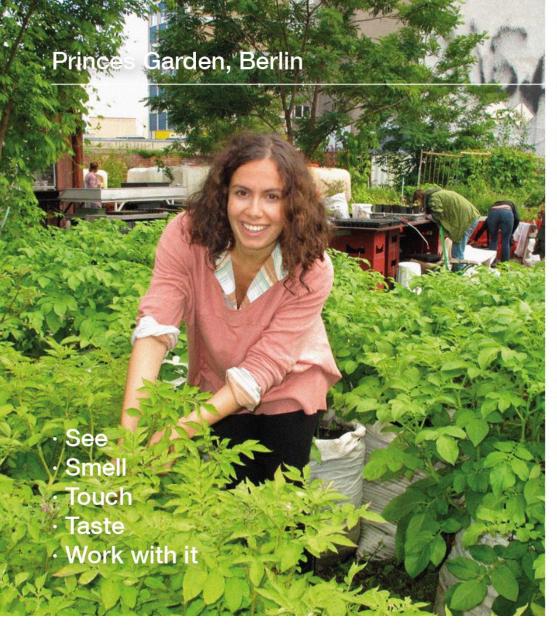


## Colour! It really matters























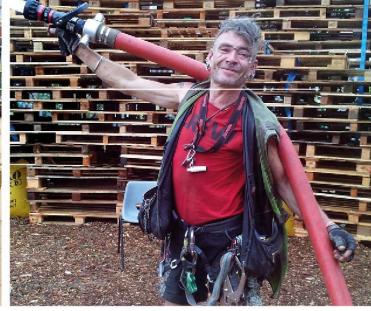


"As much as we complain about other people, there is nothing worse for mental health than a social desert. The more connected we are to family and community the less likely we are to experience heart attacks, strokes, cancer and depression. Connected people sleep better at night. They live longer. They consistently report being happier."











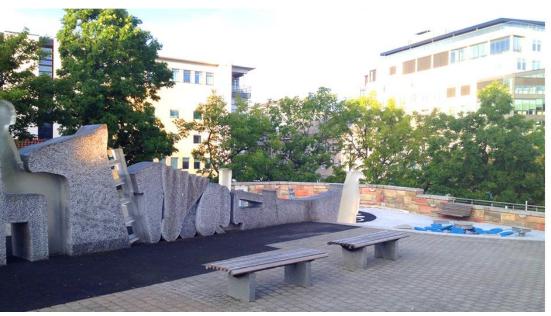




















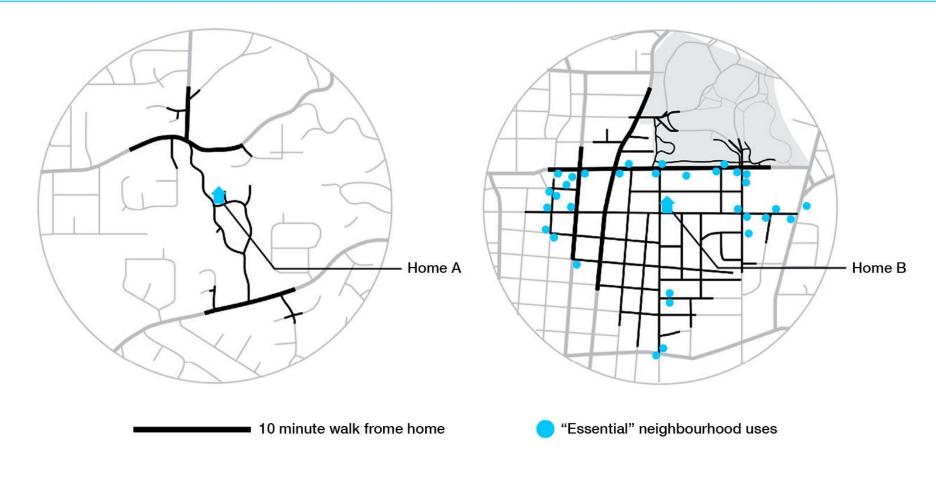








### Spatial distribution of households and population density







### Movement effects mood

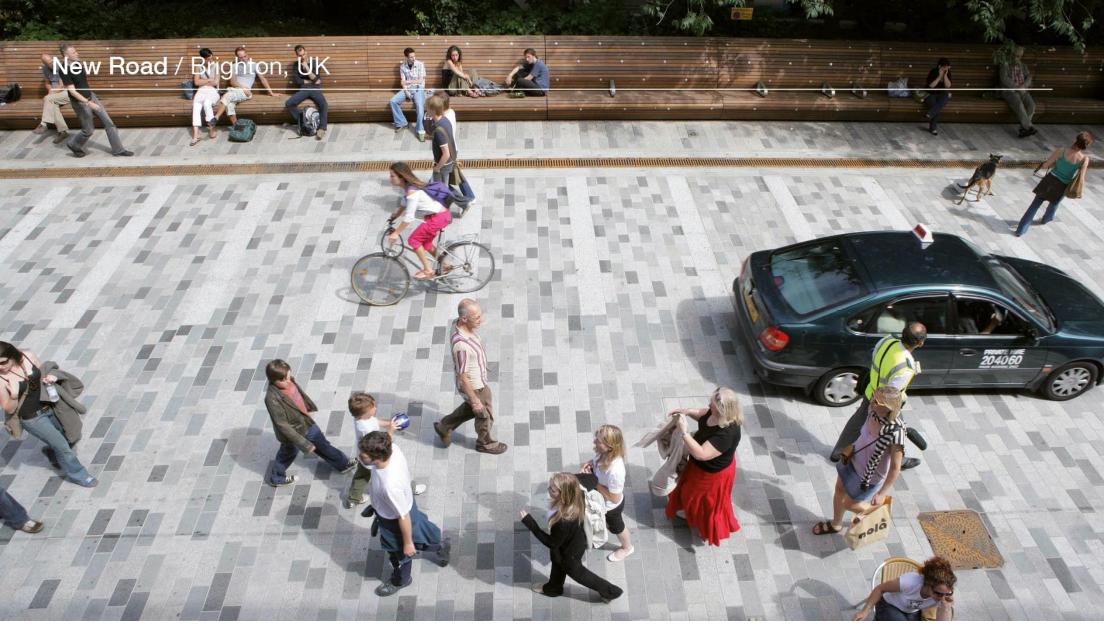


### Movement effects mood



Cheers you up
Boosts energy
Gives you optimism
Food tastes better!

"Walking works like a drug, and it starts working even after a few steps."









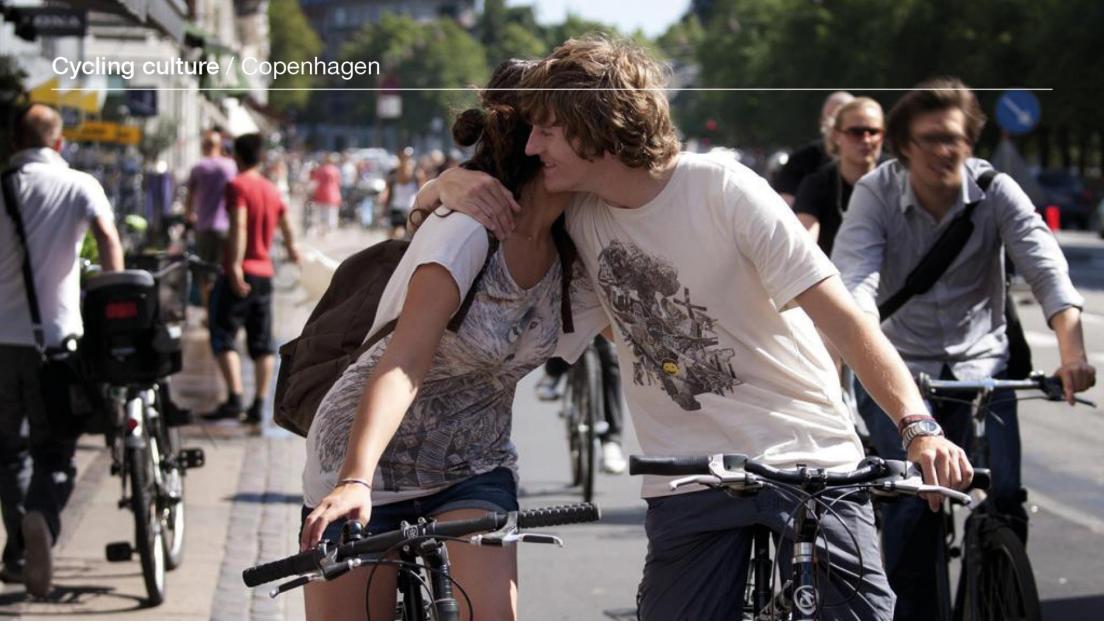




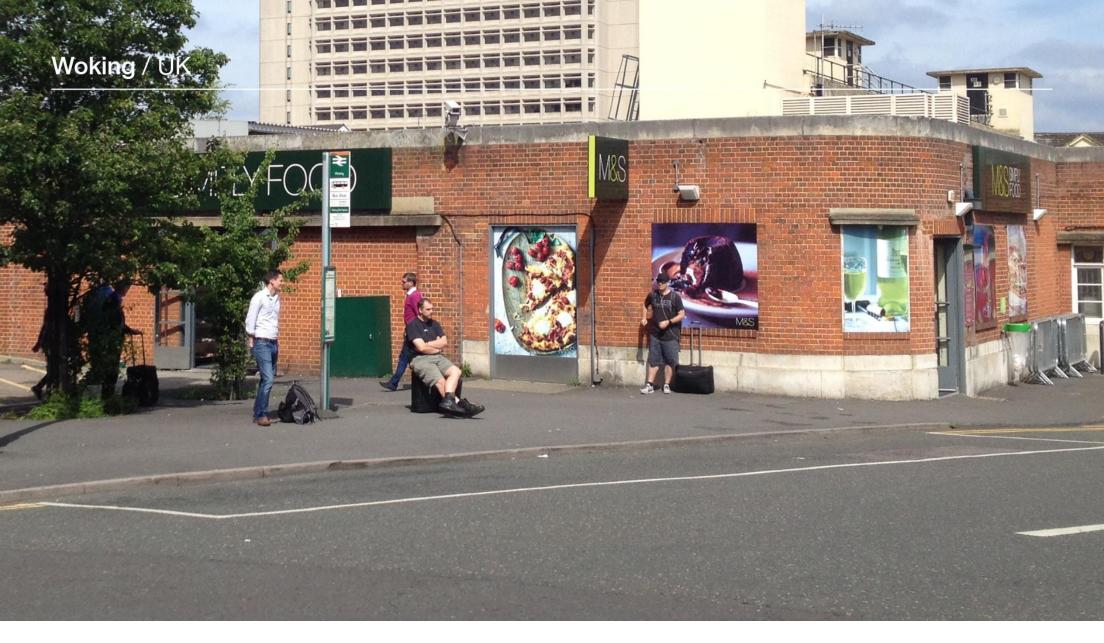


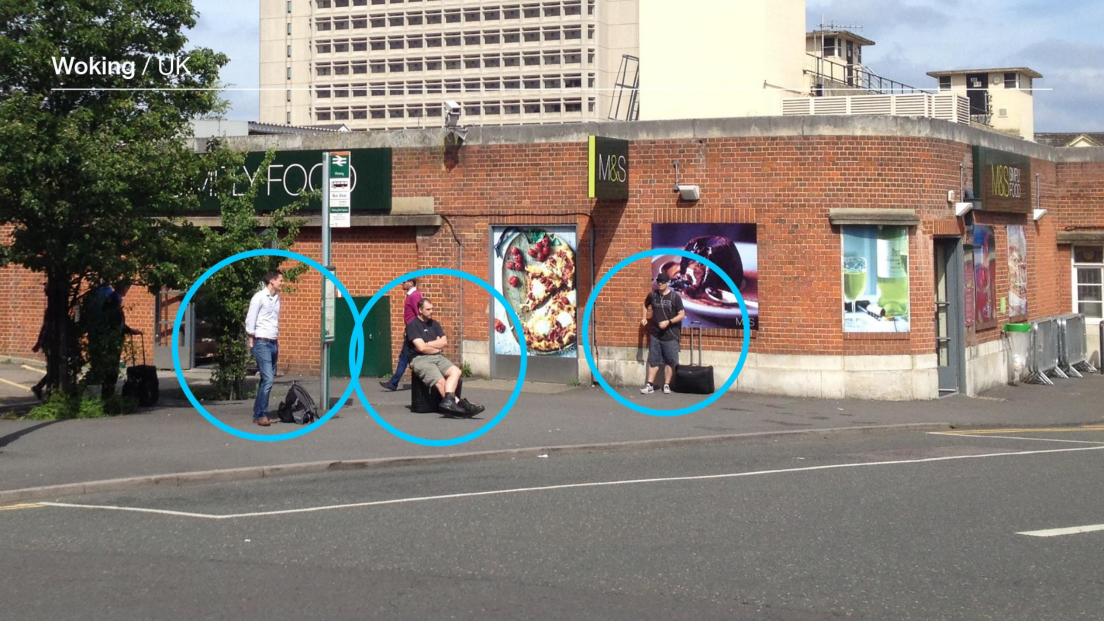




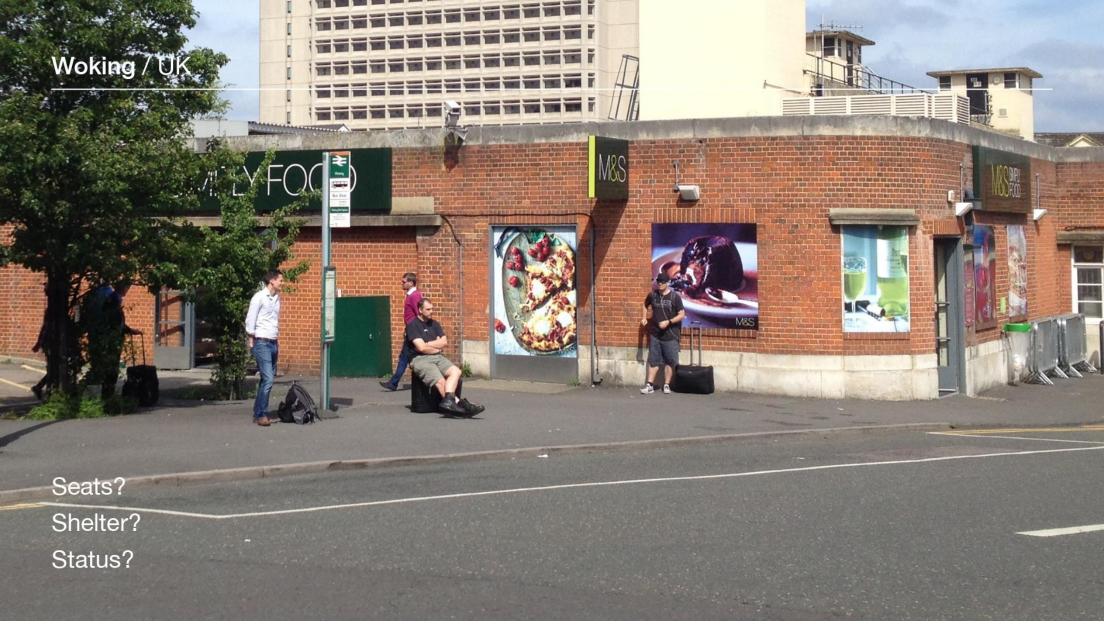


# Metropolitan Transit









# Metropolitan Area of Bogotá, Columbia

### Metropolitan Area of Bogotá

- · Capital District of Bogotá
- · 17 surrounding municipalities

Bogotá, Capital District (with 20 localities)

Soacha

Chía

Facatativá

Zipaquirá

Mosquera

Madrid

Funza

Cajicá

Sibaté

Tocancipá

La Calera

Sopó

Tabio

Cota

Tenjo

Gachancipá

Bojacá











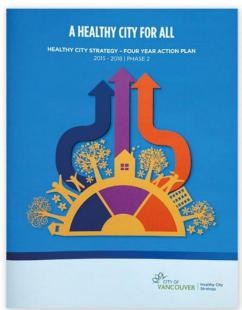
"One of the requirements of happiness is equality. Maybe not equality of income but equality of quality of life and, more than that, an environment where people don't feel inferior, don't feel excluded."

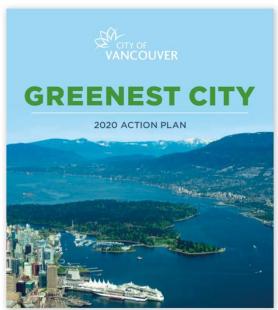
# Creating a livable region

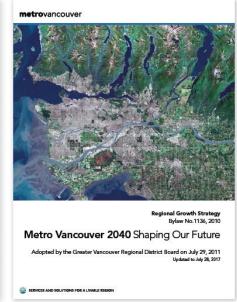
What are the benefits of collaborating on a multi-city, town, village, First Nations and regional strategy?

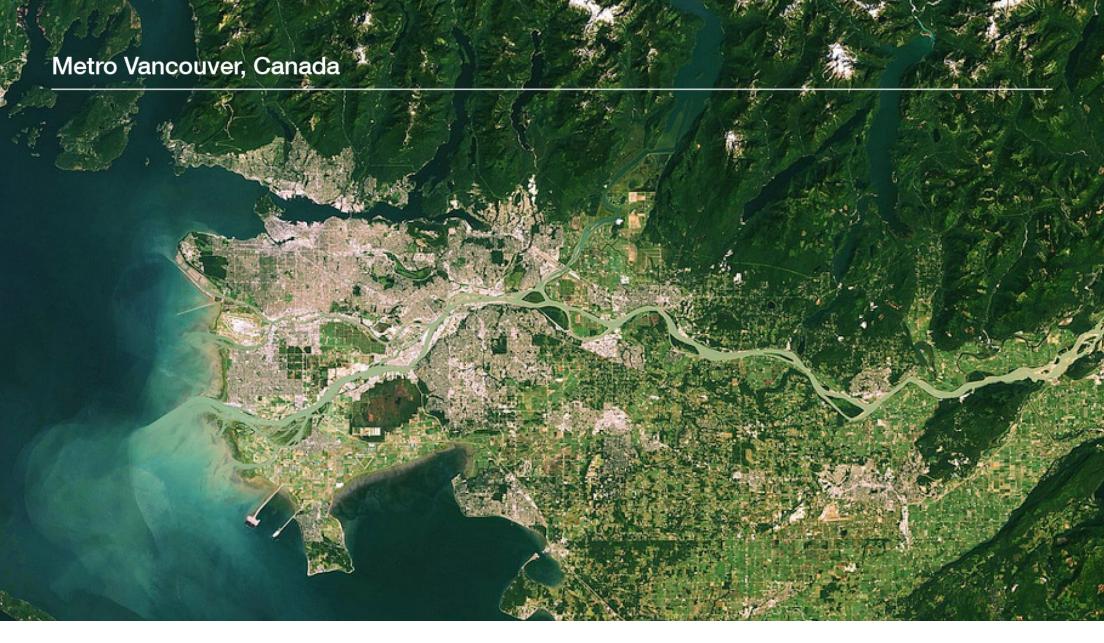
### Reports + Recommendations











### Metro Vancouver / Goals



Create a Compact Urban Area



GOAL 2

Support a Sustainable Economy



GOAL 3

Protect the Environment and Respond to Climate Change Impacts



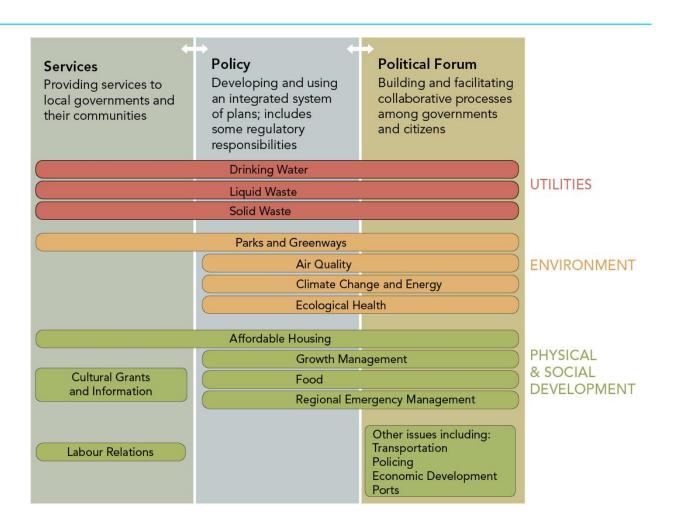
GOAL 4

Develop Complete Communities



GOAL 5

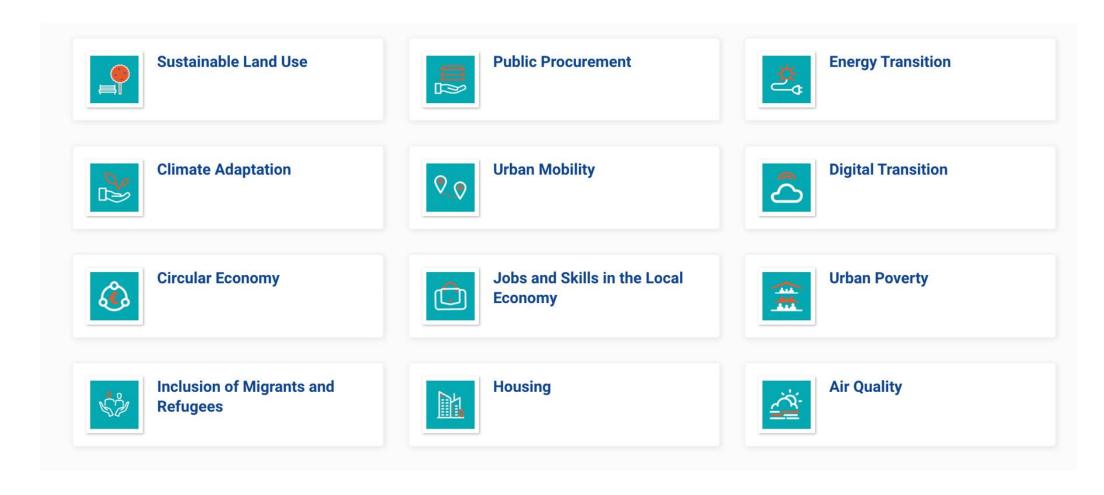
Support Sustainable Transportation Choices Services
Policy
Political Forum



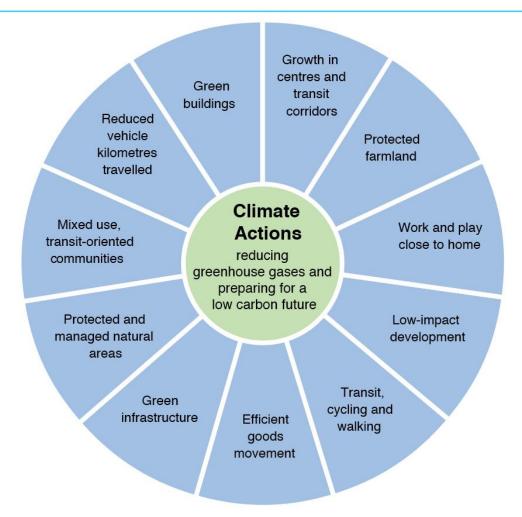
### Metro Vancouver's Interconnected Plans



### EU Urban Agenda



### **Metro Vancouver, Climate Actions**



### Metro Vancouver, Canada





### Why do cities make us happy?

- · Culture + sharing ideas
- · Hedonism + Entertainments
- · Knowledge exchange, i.e. uni
- Range of job types/professions
- · Short distances to amenities

### Why do cities make us unhappy?

- Trapped and cornered by concrete
- · Low access to wild spaces
- · Reduced teritorial range
- Numbers creates unfamiliarity
- · Uncomfortable, i.e. "Where can I pee?"

### Why do rural areas make us happy?

- · Green + nature
- · Health + fitness
- · Freedom + teritorial range
- Familiarity with faces
- · Comfortable, i.e. "I can pee anywhere!"

### Why do rural areas make us unhappy?

- · Lack of new cultural experiences
- · Low access to new experiences
- · Lower knowledge exchange
- Lower range of job types
- Long distances to amenities = car

# What is the purpose of the 21st Century Metropolis?

Greenest Metropolis
Low-Carbon Metropolis
Engaged Metropolis
Healthy Metropolis
Happy Metropolis

