

## **Resiliency for Change**

Alison Martens, City of Abbotsford

Brad Badelt, City of Vancouver

Duane Elverum, CityStudio Vancouver

UBCM 2019

# Today

- What is a CityStudio?
- Project Development
- Project Case Studies
- The CityStudio Network - 12 cities
- 6 year Impact Evaluation
- Questions/Comments?



# What municipality are you from?

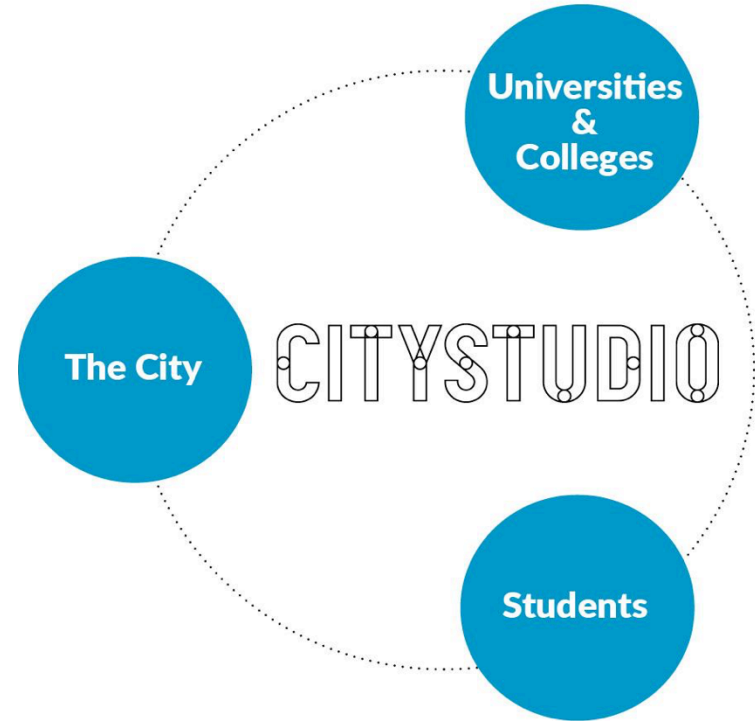


# 3 Big Questions:

**-What if it was normal and easy to work together?**

**-How many different ways can land and civic leaders Work with schools work together for public benefit?**

**-What else can this model do, allow, support?**





# CITYSTUDIO

## VANCOUVER



0:02 / 1:05



# CityStudio is

- *A framework* for cities and universities to work together at the institutional level
- *A collaboration* leveraging the high capacity of the education sector for wide civic benefit
- *A path for civic action* in higher education for students, faculty and researchers
- *An adaptable model* - IE High Schools

## CITIES ASK US TO HELP:

- Increase Community **Engagement**
- Tell city stories and **History**
- Increase **Street Life**
- Make the City more **Active**
- Increase feeling social **Inclusion**
- Meet **Sustainability** goals
- Make community more **Healthy**



An aerial photograph of Vancouver, British Columbia, Canada. The image shows the city's dense urban core, including the downtown skyline with numerous high-rise buildings. The city is situated on a peninsula, with the Burrard Inlet to the west and the False Creek to the east. In the background, the rugged, forested mountains of the Pacific Ranges are visible under a clear sky. The water in the harbor is dark blue, and many small boats are scattered throughout. The overall scene is a mix of urban development and natural beauty.

# City of Vancouver

**Brad Badelt**  
Assistant Director, Sustainability



A photograph of a city street lined with mature trees that are heavily laden with red fruit, likely apples. On the left, a man wearing a green helmet and a light-colored jacket is riding a bicycle towards the camera. On the right, a woman in a grey vest and skirt is walking away from the camera, carrying a brown bag. A white car is parked on the street to the right. In the background, modern city buildings are visible. A semi-transparent blue banner is overlaid across the top of the image.

# GREENEST CITY IN THE WORLD BY 2020

Ambitious goal and targets drove staff to do things differently



# INNOVATION = PERMISSION

Complex challenges require new ways to find solutions

# CITYSTUDIO PARTNERSHIP



Enables more experimentation and stronger relationships with faculty



# How do I...

- Save the planet?
- Contribute to my community?
- Earn a living doing it?



## CITIES

- Citizen engagement
- Prototypes
- Staff support

## COMMUNITY

- Citizen expertise
- Lived experience
- Engagement
- Work with city staff

## SCHOOLS

- All levels of students
- Develop employable skills
- Do something real while in school

# Five Steps

## CITYSTUDIO



### STEP 1

#### CONVENE CITY STAFF

Once a year we convene city staff to identify and develop project concepts that further Vancouver's strategic aims.



### STEP 2

#### MATCH PROJECTS WITH SCHOOLS

We match these projects with courses at our partner schools, ensuring a strong fit between city needs and faculty expertise.



### STEP 3

#### DESIGN PROJECTS TOGETHER

As part of their coursework, students work together with city staff to co-create pilot projects for the benefit of community.



### STEP 4

#### LAUNCH PROJECTS IN PUBLIC

Final projects are launched by students as experiments and pilot projects in the community to test what works.



### STEP 5

#### SHARE AND SCALE PROJECTS

The results are presented at HUBBUB, a celebratory showcase where students, City staff, community and elected officials connect to make these solutions permanent.





# 1. Convene City Staff



Projects Development Process

CITYSTUDIO

D

# Idea & Project Examples

<b>Community Engagement / Slow Streets</b>
<b>Public Spaces</b>
<b>Bike at Night</b>
<b>Quality of Life</b>
<b>Public Engagement in Municipal Decision Making</b>
<b>Media / Film Communications</b>
<b>Reducing Litter</b>
<b>Neighbourhood Pride</b>
<b>Multiuse Trails</b>
<b>Invasive Species</b>
<b>Usage of Public Facilities</b>
<b>Parks Management / Environmental Conservation</b>
<b>Water conservation</b>
<b>Collaboration methods</b>

## 2. Match Projects with Schools

**DESIGN** - 2nd stage experiments, models, events, diagrams

**ENGAGEMENT** - specific test for permanence and scale

**PROTOTYPES** - mock-ups, designs, tests, visualizations, beta

versions  
**MAPPING** - GIS, site-based project work, local conditions, Spatial data

**ANALYSIS** - reviews, testing, recommendations

**RESEARCH** - best practices, policy, data, cataloguing, tech solutions



# 3. Design Projects Together



Instructor

**Tweak the  
challenge  
statement?**



City Prime

**Experiment?**



CityStudio

**Bring their  
project poster to  
HUBBUB!**



**Agreed**

**Sounds  
great**

**Awesome!  
Exciting!**

## FALL 2017 PROJECTS

1) Marine Birds 2) Reduced Single-Use Items	UBC - Enviro Science	Access to Nature / Local Food	Nick Page + Argana Douglas
Reducing Single-Use Items	UBC - LFS	Zero Waste	Paul Gagnon
Reducing Single-Use Items	UBC - Economics	Zero Waste	Paul Gagnon
Reducing Single-Use Items	UBC - M Ed Studies	Access to Nature / Local Food	Various
Destination Arboretum: Gateway	UBC - Planning	Access to Nature / Local Food	Jordan Magtoto + Kevin Connery
Sustainable Food Plan UBC	SFU - Business	Zero Waste	TBC
Business Models: How to Start the UBC	SFU - Business	Green Business	Pietra Basilji
Getting Our True Value	SFU - IAT	Cultivating Connections	Paul Handren + Lori Kitte
Foodshare: Aesthetics in Residence	SFU - IAT	Healthy Living	Marie Lopes
Planting Trees: The Public Art	SFU - IAT	Climate Leadership	Ty Mistry + Diana Hurford
Sea Level Rise	BCIT - Interior Design	Green Buildings	Tina Barisky + Lisa Bridgman
Plastic: How?	Langara - Health Sciences	Safe + Included	Various
TBC/Nature	Langara - Health Sciences	Safe + Included	Kelcie Craig
Community Challenge: United	ECUAD - Film/Media	Safe + Included	Paul Handren, Verna
Pietra Jones	SFU - Dialogue	Connections / Researching	Paul Handren, Verna
Buddy UBC	SFU - Dialogue	Cultivating Connections	Paul Handren, Verna
City Game: Initial	SFU - Dialogue	Connections / Researching	Paul Handren, Verna
Chalk Talks	SFU - Dialogue	Cultivating Connections	Paul Handren, Verna
Connect: Fort	SFU - Dialogue	Cultivating Connections	Paul Handren, Verna

## SPRING 2018 PROJECTS

1) Marine Birds 2) Reduced Single-Use Items	UBC - Enviro Science	Access to Nature / Local Food	Nick Page, A
Reducing Single-Use Items	UBC - LFS	Zero Waste	Paul Gagnon
Reducing Single-Use Items	UBC - Economics	Zero Waste	Paul Gagnon
Reduce Meat Consumption	UBC - Science	Lighter Footprint	Wendy A
Diverse Cultural Engagement	UBC - Science	Lighter Footprint	Wendy A
Life of the Whoducks Pieno	UBC - Film	Safe + Included	Miro Obadina
Urban Cycling	UBC - Kinestology	Green Transport	Mike Zip
TBC	Langara - Geography	TBC	TBC
Activating Vacant Storefronts	SFU - Communication	Safe + Included	David Le
Resilient Neighbourhoods	Langara - Planning	Cultivating Connections	Katia Tyne
1) Park Tour 2) First Walks	UBC - Urban Forestry	Access to Nature	Dana McDe
Voter Engagement Pop-Ups	SFU - Comm'n's	Cultivating Connections	Paul Handren
Voter Awareness Tools	BCIT - Marketing	Cultivating Connections	Jennifer Pab
Voting Barriers + Recommendations	BCIT - Interior Design	Zero Waste	Paul Handren + Jy
Zero Waste Materials Sourcing	SFU - Business	Green Jobs	Andrea Mc
Impact Business Experiences Surveys	UBC - Planning	Access to Nature	Pietra Bas
Enviro Education & Community Org	SFU - Health Sciences	Healthy Living	Rebecca Till
Civic Innovation Change Lab	SFU - Health Sciences	Healthy Living	Rebecca Till

cs	Zero Waste	Various
sustain	Access to Nature / Local Food	Jordan Magtoto + Kevin Connery
g	Access to Nature / Green Transport	TBC
ss	Zero Waste	Pietra Basilji
ess	Green Business	Paul Handren + Lori Kitte + Jennifer Pabliano
	Cultivating Connections	Marie Lopes
	Access to Nature / Healthy Living	Ty Mistry + Diana Hurford
nces	Feeling Safe + Included	Tina Barisky + Lisa Bridgman
	Climate Leadership	



# 4. Test Projects in Public

A mobile tea cart offering conversation over free tea.

# teatalk



**The Team** Uiba Khan (SFU), Iain Marjanbassis (UBC), Alex Butler (UBC), Glenn Mendonca (UBC)

**Purpose** teatalk is a mobile tea-serving cart that offers space for conversation and social connection over the sharing of a free cup of tea.

**Main Activities** We launched teatalk on November 26, 2016 in Northeast False Creek as one of five CityStudio projects in the Imagination Zone. We partnered with local artist George Rahi, using his mobile tea-serving trailer to create a convivial gathering space.

## Key Partners

City of Vancouver: Emory Davidge, Karen Henry, Lihwen Hsu  
Public Secrets: George Rahi

## City Strategies

NFC Area Plan  
Public Art Boost  
Healthy City Strategy  
DTES Local Area Plan

**Outcomes & Impact** On a cold, rainy Saturday afternoon, we engaged in rich conversation with 70 community members. The teatalk model demonstrates the simple success of using tea to physically bring people together in an inclusive space, facilitate the creation of connections between local area residents, and inspire future social engagement projects in the Imagination Zone.

**Community Stewardship** Free tea and intimate space for conversation has the potential to shift social culture in Vancouver. Imagine a series of pop-up teatalks enriching city consultation and engagement methods. We have detailed the scope, challenges, recommendations, and future opportunities of our project for the City. We hope this information will inform public engagement strategies undertaken by Vancouver's Pop-up City Hall.

**Acknowledgements** We would like to thank the CityStudio teaching staff, the City of Vancouver, and Public Secrets who made this project possible. A special thanks to George Rahi, Karen Henry, Emory Davidge, Lihwen Hsu, and tea partners, Michelle Nahane at The Capilano Tea House and Guyaki Yerba Mate.

**CityStudio** Vancouver is an innovation and experimentation hub inside City Hall where students, city staff and community members co-create, design and launch projects on the ground. The central mission of CityStudio is to innovate and experiment with the ways cities are co-created, while teaching students the skills needed to collaborate on real projects in Vancouver with City staff and community stakeholders. These projects improve our city and enrich our neighbourhoods, making the city more livable, joyful and sustainable. CityStudio launched in 2011 as a collaboration between the City of Vancouver and the city's six post-secondary institutions to engage students in the hands-on work necessary to implement city strategies.





# SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS



# 5. CityHall Showcase



**CITYSTUDIO**  
*presents*  
**HUBBUB**

**AT**  
**CITY HALL**

**AN INTERACTIVE STUDENT  
PROJECT SHOWCASE**  
**9:30AM-12:00PM**  
• **APRIL 7, 2017** •

JOIN US FOR AN ENERGETIC EXCHANGE BETWEEN CITY  
STAFF, FACULTY, AND STUDENTS LAUNCHING PROJECTS TO  
MAKE VANCOUVER MORE JOYFUL, LIVABLE & SUSTAINABLE.

[citystudiovanancouver.com](http://citystudiovanancouver.com) #hubbub8

# CITYSTUDIO

## ABBOTSFORD

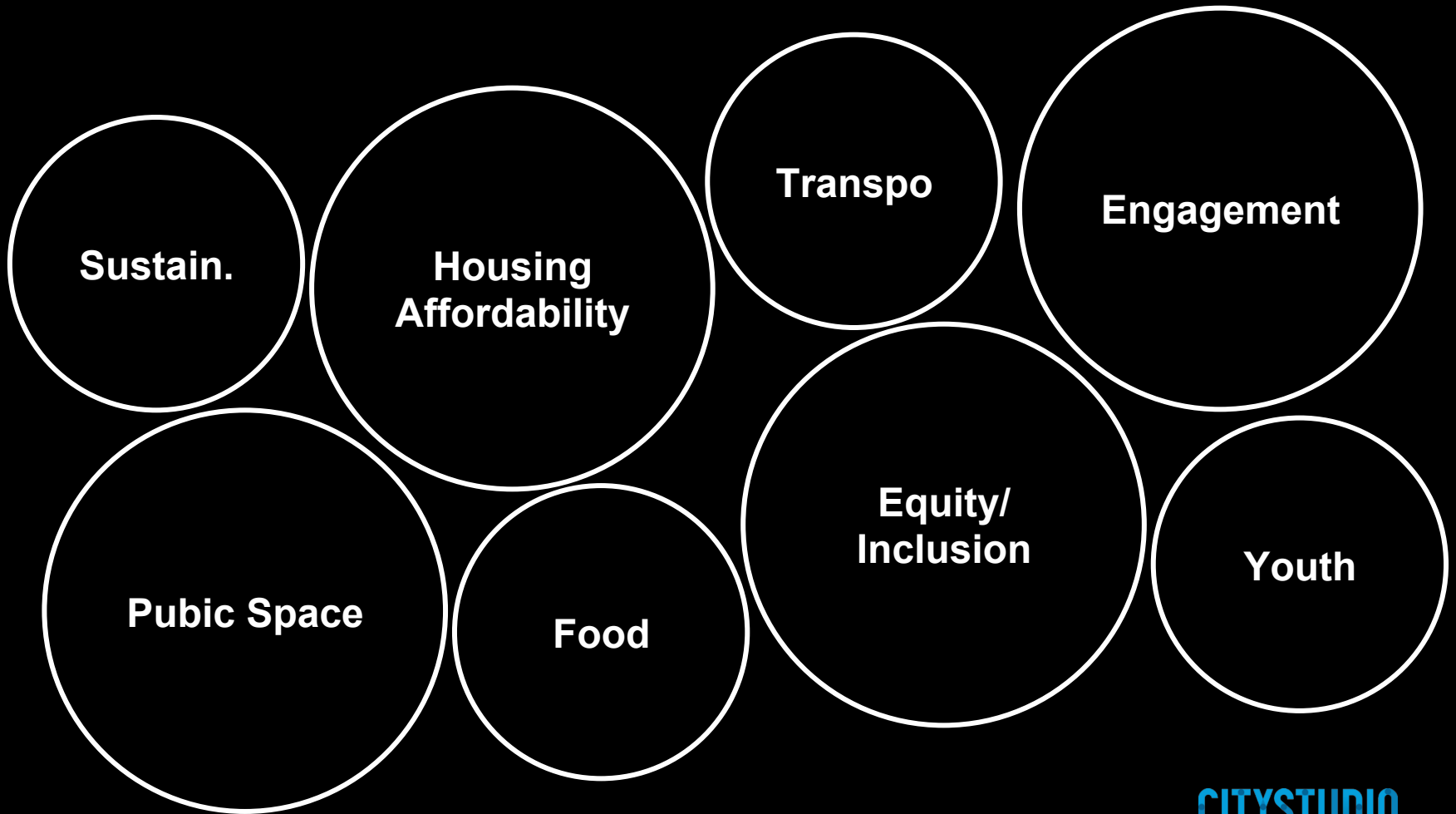
An innovation hub where UFV students experiment and solve community challenges by collaborating with City of Abbotsford staff in the design and launch of solution prototypes.

Fresh perspectives for our



0:05 / 1:31





**What are the priority areas  
in your municipality?**



# Project Stories





## Water Quality Testing in False Creek





## Research & Mapping – Exploring Littering Behaviours





**Temporary PROTOTYPES to engage & show possibilities**

**CITYSTUDIO**

# Commercial Drive Parklet – Open for your enjoyment!

AUGUST 18, 2014 | BY ALICIA MEDINA LADDAGA

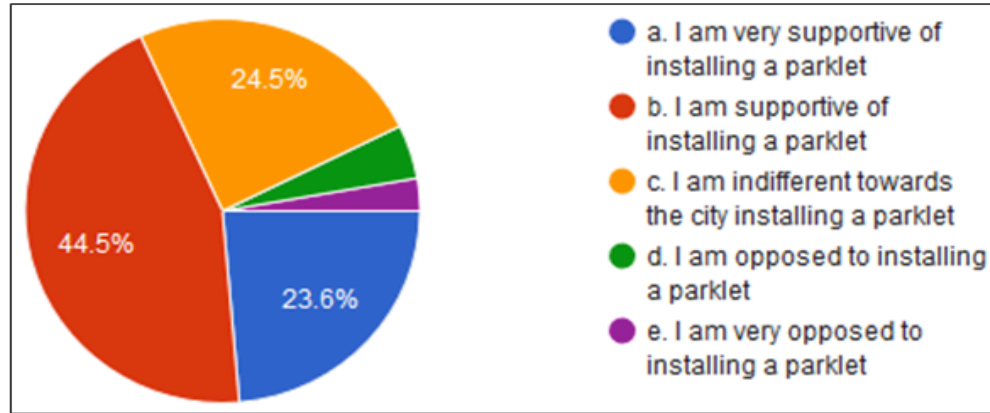


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## Support for Parklet Installation



- 68.1% Supportive
- 24.5% Indifferent
- 7.2% Opposed


**Phase 1 - Prototyping Parklet design**   **Researching**  
**Phase 2 - Public acceptance**



**Nursing and business students team up to tackle needles in public spaces**

**CITYSTUDIO**





A mobile tea cart offering conversation over free tea.

# teatalk



**Main Activities** We launched teatalk on November 26, 2016 in Northeast False Creek as one of five CityStudio projects in the Imagination Zone. We partnered with local artist George Rahl, using his mobile tea-serving trailer to create a convivial gathering space.

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## Demonstrate new tools for community & artist engagement

**CITYSTUDIO**





cityofvancouver Last week, Hot Tea, Rain City set up shop on Granville Street, @JimDevaPlaza, and outside of @VancouverPublicLibrary to talk to people about rain, public space, and green infrastructure. A partnership between the @CityofVancouver's #PlacesforPeopleVan and #RainCityStrategy teams and @Transformation\_Projects, we'll be bringing hot tea back to Downtown Vancouver in February. Dates to be announced very soon. 📷: @AlisonBoulier

cityofvancouver #cityofvancouver #vancouver #publicspace #publicengagement #granvillestreet #downtownvan #hottearaincity #greeninfrastructure #greenestcity #yvr #igvancouver

mollysteeves @julia\_khan\_anselmo

**Tea Cart is used throughout city for public engagement and consultation by City Staff**

**CITYSTUDIO**




**529 Garage - Vancouver Police + 3rd year  
animation students**

## NORTHEAST FALSE CREEK

# History of Northeast False Creek

Historical plaques designed to ensure that meaningful stories from the past figure prominently in the way this area is envisaged for the future.



**you are here**

### History of Northeast False Creek

A collaboration between the City of Vancouver, CityStudio and the SFU History Department.

This plaque prepared by: Chris Hatcher & Julia Hubert - SFU History 406

#### First Nations in Northeast False Creek

The City of Vancouver is home to three groups of First Nations: the Musqueam, Squamish and Tsleil-Waututh. They are part of a larger cultural group called the Coast Salish. This entire region and 95% of the province are on unceded Indigenous territories as few treaties were signed to grant settlers rights to the land.<sup>1</sup>

At the time the first settlers arrived to the Burrard Inlet in the late 1850s, False Creek was five times the present size and included a large tidal mud flat. This ecologically rich site was blanketed with thick eelgrass, plentiful clam beds and countless songbirds.

Archeological evidence and oral traditions record the First Nations use of the False Creek area for over 3000 years.<sup>2</sup> As urbanization grew with arrival of the CPR railway in 1887, the Musqueam and Squamish peoples who hunted and fished these lands for millennia were moved to reserves in less desirable areas of Vancouver.<sup>3</sup>

The cultural traditions of First Nations reflect their unique relationship with the natural environment, one that is based on community, spirituality and stewardship—from harvesting oysters on the shore to collecting


Devil's Club plant to make medicine. While the expression of these cultural traditions has changed as a result of colonization and the subsequent removal and displacement of the First Nations from their traditional lands, today Vancouver has the third highest population of Indigenous residents living in a Canadian urban centre. The surrounding area to False Creek is home to many different cultural and service organizations that support and celebrate the diverse First Nations communities.<sup>4</sup>

1. "The City of Vancouver is home to three groups of First Nations: the Musqueam, Squamish and Tsleil-Waututh. They are part of a larger cultural group called the Coast Salish. This entire region and 95% of the province are on unceded Indigenous territories as few treaties were signed to grant settlers rights to the land." - Chris Hatcher & Julia Hubert, SFU History 406

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4. "The surrounding area to False Creek is home to many different cultural and service organizations that support and celebrate the diverse First Nations communities." - Chris Hatcher & Julia Hubert, SFU History 406




2015 Boundary  
1850 Boundary  
Historical Boundary


To learn more about this project and to watch a short video on this topic please visit:  
<http://citystudiovancouver.com/projects/history>



**CITY OF VANCOUVER**



**CITYSTUDIO**



**SFU**

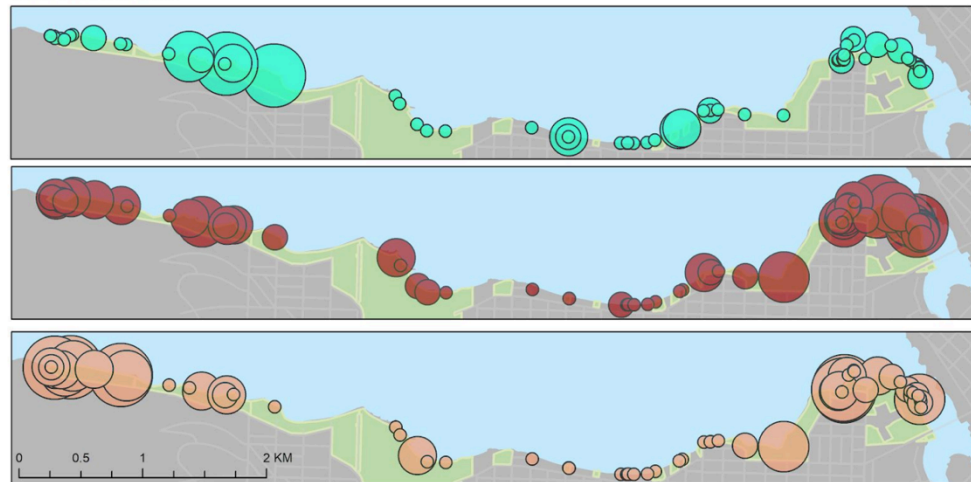


# Birds, Barks & Boats

Spatial analysis of marine bird communities and recreational disturbances along the Kitsilano shoreline.



## Total Distributions



Observed distribution of birds, humans, dogs from

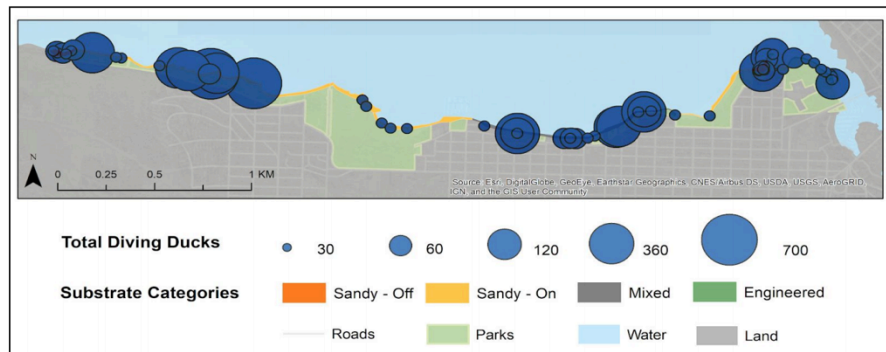


Figure D6. Distribution of diving ducks along the Kitsilano shoreline from November 2017 to February 2018.





**Experiment - Fostering community pride  
using pump station infrastructure**



## GROWING ROOTS: A NEWCOMER'S GUIDE TO VANCOUVER

A valuable resource for improving immigrant  
settlement and integration.

Guide >

VANCOUVER IMMIGRATION PARTNERSHIP

**Recommendations for more effectively  
connecting newcomers to settlement  
services**

**CITYSTUDIO**



## Hey Neighbour! Exploring sociability in multi-unit buildings in Vancouver

We're examining how residents living in higher density buildings can better connect with each other through design improvements and social programs in their building.

Hey Neighbour! highlights the impact that increased sociability can have on mental and physical health of the residents, and the role that

HEY   
NEIGHBOUR!

**Community Concierge: high rise experiments to reduce social isolation**

**CITYSTUDIO**





# Prototype and Launch First Bike Repair Station in Vancouver

**CITYSTUDIO**

# City's newest park boasts bike repair station

Naoibh O'Connor / Vancouver Courier

OCTOBER 11, 2016 04:20 PM



CITYSTUDIO





Jessica Brownfield (Hfcur),  
Tom Hadden (Hfcur),  
Grace Lee (Hfcur),  
Sarah Chappell (Hfcur)



# illumilane

integrating light and art into bike and walkways

Partner with COMMUNITY INNOVATORS to  
improve city

**Main Activities**  
With the help of Hfcur, we built a 50 metre stretch of lights that uses pressure sensors to light up the cyclist path. If the cyclist rides below 20 km/h, they're rewarded with a pulse of rainbow lights ahead of them. If the cyclist rides faster than 20 km/h, the lights flash red as a warning to slow down. Meanwhile, the pedestrian pathway lights up in a constant pattern of brightly coloured lights. Ultimately, illumilane improves visibility, safety, and attractiveness of the path at night.

#### Outcomes and Impact

Our project successfully touched upon these outcomes:

- Promotes walking and cycling as fun, practical, and healthy transportation choices
- Supports a positive cyclist-pedestrian relationship
- Integrates art into active transportation infrastructure
- Encourages interaction with public art at night

Many cyclists returned to re-ride the pathway and 90% of survey respondents wanted to see the project repeated or made permanent, and gave us positive feedback for future implementation. Our stewardship proposal is for the City of Vancouver to install illumilane permanently along the seawall at Stanley Park or False Creek, and for other organizations to recreate illumilane for events.

#### Key City Staff

Emory Davidge, Engagement Specialist | NEFC Area Plan Project Team  
Karen Henry, Senior Cultural Planner | Public Art, Planning & Facilities Development  
Paul Krueger, Lead Planner | Transportation Planning

#### City Strategies

North East False Creek Area Plan 11 Guiding Principles  
Public Art Boost  
Transportation 2040

#### Artist Partner

Hfcur Design Studio

#### Acknowledgements

We would like to thank Hfcur for their expertise and valuable time they dedicated to our project. We would also like to thank Portative Electric for their generous in-kind donation to provide our project with clean energy.

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For more information please visit:  
[citystudiovancouver.com](http://citystudiovancouver.com)  
[@citystudvdn](https://www.instagram.com/citystudvdn)

Hfcur is an experiential design studio. They create immersive experiences for branded environments, public spaces, and performance events. As specialists in art, design, technology, and storytelling, we provide a unique understanding of people's innate desire for engagement.

For more information please visit:  
[hfcur.ca](http://hfcur.ca)  
[@hfcurvancouver](https://www.instagram.com/hfcurvancouver)



**illumilane Launch**  
NE False Creek Seawall  
Sat, November 26, 2016  
4:00-7:00pm

**CITYSTUDIO**

# MOTIVATION FOR MOVEMENT

## Barriers and Facilitators to Youth Cycling in Vancouver: What next?

### PURPOSE

The purpose of this project is to identify the perceived barriers to cycling as a method of transportation amongst youth from grade 7 to 12. In doing so, we hope to provide the City of Vancouver's Active Transportation unit with data on the use of current cycling routes as well as recommendations for the design of future routes that meet the safety and comfort needs of youth and adolescents in Vancouver.

### PROCESS

#### User Group

A gap in research regarding cycling habits was identified in Vancouver youth. This study collected data from active youth in grades 7 to 12 between the ages of 12 to 17. To add depth to our findings, data was also collected from the parents/guardians of the participants.

#### Sample Recruitment

Following ethical approval participants were recruited through convenience sampling from a gym in East Vancouver that runs youth physical activity programs. All youth between ages 12 to 17 that are physically active as well as their parents were included in the study. No exclusion criteria was placed on the participant based on cycling habits or experience.

#### Data Collection & Analysis

After approval from the parents' guardians and signing of the consent form by both the parents and youth participants, data was collected through in-person semi-structured interviews. The interviews were recorded and conducted by one researcher while a second researcher acted as a scribe. A thematic analysis was completed to extract existing themes amongst the interview responses. Three researchers took part in the analysis to ensure all meaningful units of data were included to then be deduced into explicit patterns and themes.

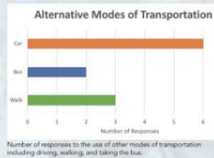
1/6 adolescents cycle frequently

1/4 parents cycle frequently

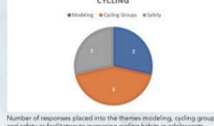
4/6 adolescents are confident in cycling in traffic

2/4 parents are comfortable allowing their child to cycle

2/4 parents are comfortable allowing their child to cycle locally only



#### ADOLESCENTS PERCEIVED FACILITATORS TO CYCLING



Number of responses placed into the themes modeling, cycling groups, and safety as facilitators to increasing cycling habits in adolescents.



"I think I just need more practice, like other, I don't know, adults I could go with and then eventually do it alone."  
- Grade 10

### OUTCOMES

A total of 10 participants were interviewed separately including 6 adolescents and 4 of their parents. Both male and female adolescents ages 12 and 15 years old and their parents were asked about their cycling habits and perception of cycling in Vancouver. All participants live within the Greater Vancouver Area around Fairview, Hastings-Sun, West Vancouver, and Oakridge.

#### Adolescents' Perceived Barriers to Cycling in Vancouver

Key themes capturing the barriers to cycling as a form of transportation as perceived by the adolescents emerged from the interviews. Themes included: (1) Natural environment, (2) Distance, (3) Safety, (4) Convenience of cars, (5) No interest, (6) Equipment.

THEMES	CHARACTERISTICS	NUMBER	KEY POINTS
Natural Environment	Terrain	2	Vancouver's hilly terrain and rainy weather were identified as barriers to cycling.
	Weather	1	
Distance	Long travel distance	3	Most destinations were identified as too far to cycle. 2.5km was described as a reasonable distance.
Safety	Unsafe neighbourhoods	1	Participants felt cycling was dangerous in certain neighbourhoods, in traffic or on highways.
	Traffic	2	
Convenience	Driving	2	Participants found driving more convenient and preferred this method of transportation.
Equipment	Quality of Bike	1	A participant's bicycle was too small for them and expressed this as an inconvenience.
Interest	Lack of interest	2	Despite having no challenges with cycling, participants expressed a general lack of interest in cycling more.

#### Adolescents' Perceived Facilitators to Cycling in Vancouver

THEMES	CHARACTERISTICS	NUMBER	KEY POINTS
Modeling	Community	1	Parents or the community should model cycling behaviours to show and guide youth on cycling safety and instill cycling habits at a young age.
	Parents	1	
Cycling Groups	Group or Buddy	2	Cycling with a parent, buddy, or with a group is discussed by adolescents as an opportunity to safely practice cycling in the city and increase their confidence in cycling alone later on.
Safety	Road Barriers	1	A participant not comfortable cycling discussed implementing more lane barriers while an avid cyclist suggested safer bicycle storage.
	Bicycle Racks	1	

Parents' Perceived Barriers to Children Cycling in Vancouver  
Two themes were extracted from the parents' interviews as barriers to allowing their children to cycle including: (1) Safety and (2) Distance.

THEMES	CHARACTERISTICS	NUMBER	KEY POINTS
Safety	Bicycle Lanes	1	Cycling over the highway from the North Shore into Vancouver and a lack of accurate barriers between bicycle and car lanes were mentioned.
	Highways	1	
Distance	Long travel distance	2	Most destinations were identified as too far to cycle. 2.5 to 3.5 km was described as a reasonable distance by one parent.
No Barriers	Comfortable	2	Two parents felt comfortable with their children cycling alone.

## PARTICIPANTS



### ACTIVE ADOLESCENTS

### AGES 12 - 17

### PARENTS

Physically active adolescents (12 - 17 years old) were recruited to take part in semi-structured interviews. Parents were also interviewed separately. All participants live in the Greater Vancouver Area including Hastings-Sunrise, Oakridge, Fairview, and West Vancouver. All participants were recruited through convenience sampling from one gym located in East Vancouver.

## BARRIERS

**ENVIRONMENT** | Adolescents (n=3) attributed hilly terrain and bad weather as barriers to cycling in Vancouver.

**SAFETY** | Unsafe neighbourhoods and traffic were identified as barriers by both adolescents (n=3) and parents (n=2).

**DISTANCE** | Long travel distances was identified by both adolescents (n=3) and parents (n=2).

**CONVENIENCE** | Adolescents (n=2) attributed their lack of cycling to the convenience of driving for transportation.

**EQUIPMENT** | One participant stated their bicycle was too small.

**NO INTEREST** | A lack of interest (n=2) in cycling in general was identified as a barrier to cycling for adolescents.



## RECOMMENDATIONS

### INFRASTRUCTURE

**Safer Bike Racks** | Creating a safer bike storage system to prevent bicycle theft.

**Bicycle Route System** | Connecting bicycle routes consistently across the city to increase confidence in cycling longer distances.

**Lane Barriers** | Installing concrete barriers between bicycle and car lanes to increase safety.



"It's hard on narrow streets when there's cars on both sides." - Grade 10

### EDUCATIONAL

**Bike Safe Educational Programs** | The aim is to educate youth in traffic signals and the 'rules of the road' to increase confidence and likelihood of cycling for transportation.

**Group Cycling Clinics** | Clinics target schools and aim to increase confidence by teaching traffic rules and how to navigate common routes around the city so that they can later complete them on their own.

**Biking School Bus** | Parents take turns leading a group of students to school together. Through modeling this allows youth to safely and confidently cycle to school while making it a social activity.

### POLICY

**Incentive Program at School** | This reward or point system may be implemented in schools. Incentives may increase cycling as a mode of transportation and cultivate cycling confidence for the future.



THE UNIVERSITY OF BRITISH COLUMBIA

The University of British Columbia  
KIN 466: Health Promotion & Physical Activity  
Professor: Andrea Burdun

CITYSTUDIO

# B.9

## MOTION ON NOTICE

### 9. Increasing Cycling Education and Safety Training for Youth in Vancouver Schools

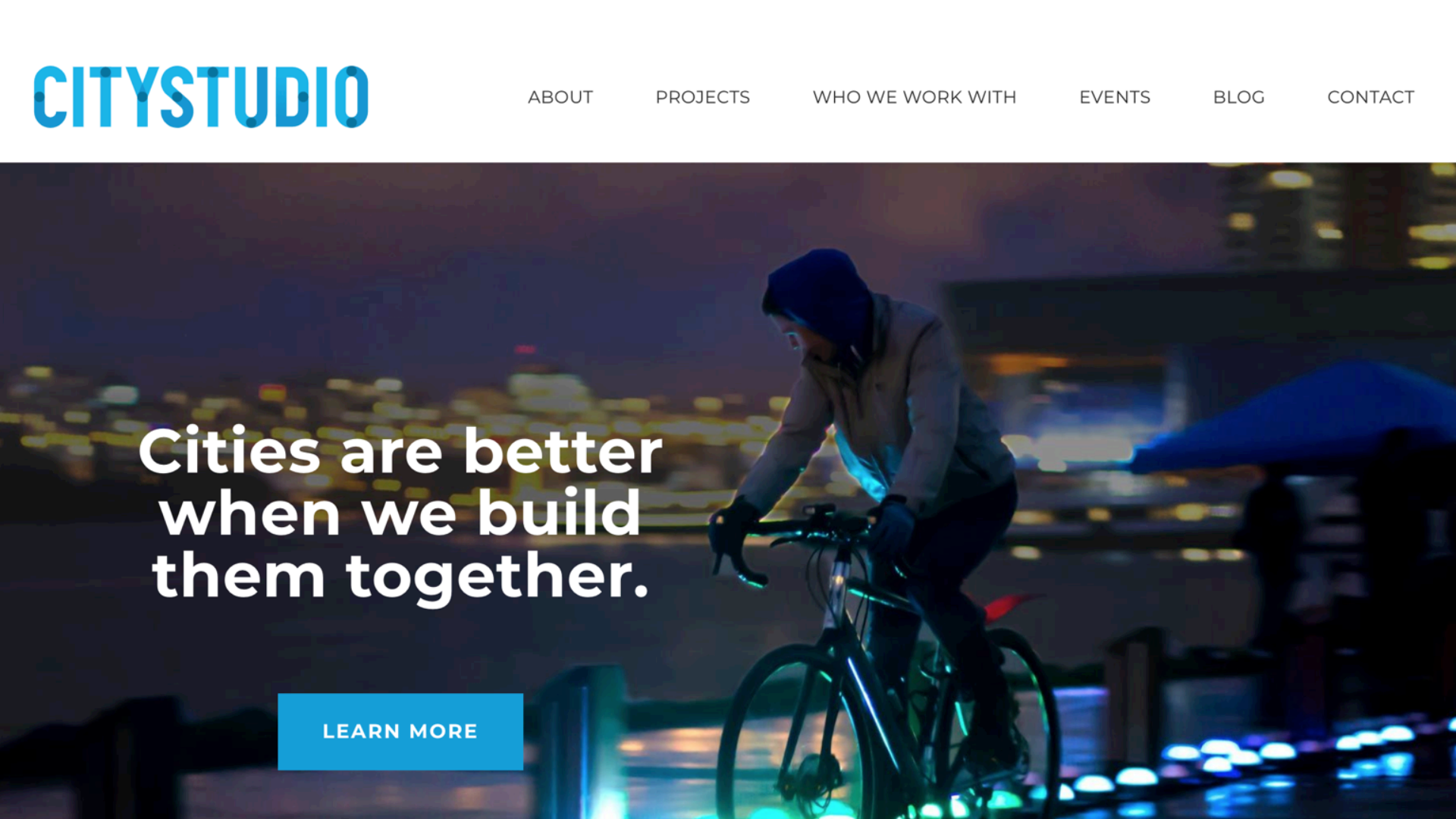
MOVER: Councillor Carr

SECONDER:

#### WHEREAS

1. The City of Vancouver's Transportation 2040 plan targets two-thirds of all trips in the city to be on foot, bike or transit by 2040;
2. Our Transportation 2040 plan also aims to increase safety on our streets and sidewalks and achieve zero traffic-related fatalities;
3. The City's Healthy City Strategy promotes active transportation as a way to improve health and well-being, reduce rates of obesity and other diseases, and connect people;
4. To help achieve our Healthy City and Transportation 2040's active transportation goals, the City has invested considerable resources in a safe, convenient cycling network of segregated bike lanes and interconnected bike routes, and provides a modest level of funding for educational cycling programs in Vancouver elementary schools;
5. More Vancouver elementary schools have requested educational cycling programs than are able to be offered with current levels of funding, which enables programs in up to 10 Vancouver elementary schools per year;
6. These programs provide essential information about cycling safety, rules of the road, and respectful and responsible behavior;
7. A study made public at City Studio's Hubbub event on April 6, 2018, revealed that the biggest factor in determining whether young people choose to cycle was whether they attended an educational cycling program in their school, which means that investing in such programs has the greatest potential to increase the number of youth, and potentially life-long, cyclists.



A person wearing a dark hoodie and a light-colored jacket is riding a bicycle at night. The background is a blurred cityscape with warm lights, suggesting a waterfront or urban setting. The overall mood is serene and modern.

**Cities are better  
when we build  
them together.**

[LEARN MORE](#)



**Projects Coordinator** builds relationships between city staff and faculty, shifting culture and create new narrative of working and innovating together.

**1**  
**CityStudio Staff**

**25**  
**City Staff**

**30**  
**Faculty**

**Faculty** gain access to complex city challenges with city staff, while classrooms gain access to real world learning & professional skill development.

**City Staff** gain access to experiments, research & prototypes that meet city strategies and goals. They often move projects forward that are often on side of their desk.

**500**  
**Students**

**Students** gain credits, experience in the community, stakeholders relations and employable skills

**50+**  
**Projects**

**Community** work with city staff and students as stakeholders and stewards. New projects and forms of community engagement.

**In One Year...**



# In Year One



## EXPERIMENTAL PROJECTS



**11 CHALLENGES**  
15 COURSES  
3 SUPPLEMENTARY  
RESEARCH COURSES

## INPSIRE ACTION



**9037 STUDENT HOURS**  
238 UFV STUDENTS  
15 UFV FACULTY  
25 CITY STAFF

## CULTURE CHANGE

**CITYSTUDIO  
HUBBUB TODAY**  
Between 12pm-2pm  
Breezeway at City Hall  
FOLLOW THE  
FOOTPRINTS!

**60 UFV STUDENTS**  
**200+ CITY STAFF**  
**27 UFV FACULTY**

*Student hours are estimated calculations based on credits, class format and instructor input.*

## Rick Hansen Secondary Pilot



**5 CHALLENGES**



**132 SECONDARY  
SCHOOL STUDENTS**  
**4 TEACHERS**  
**17 CITY STAFF**



# The CityStudio Network

9 Canadian Cities

2 Australian Cities

1 Norwegian City

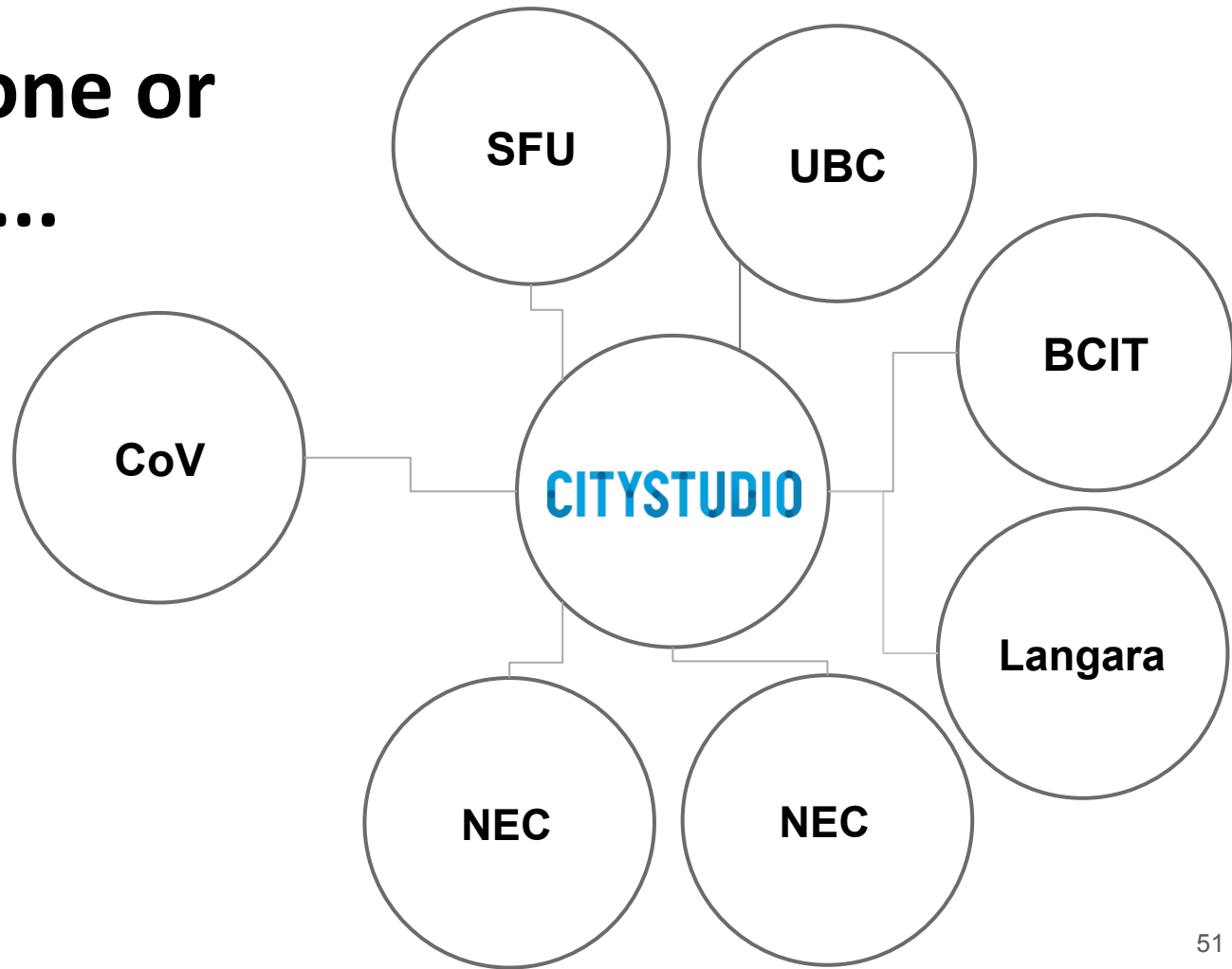
**CITYSTUDIO**





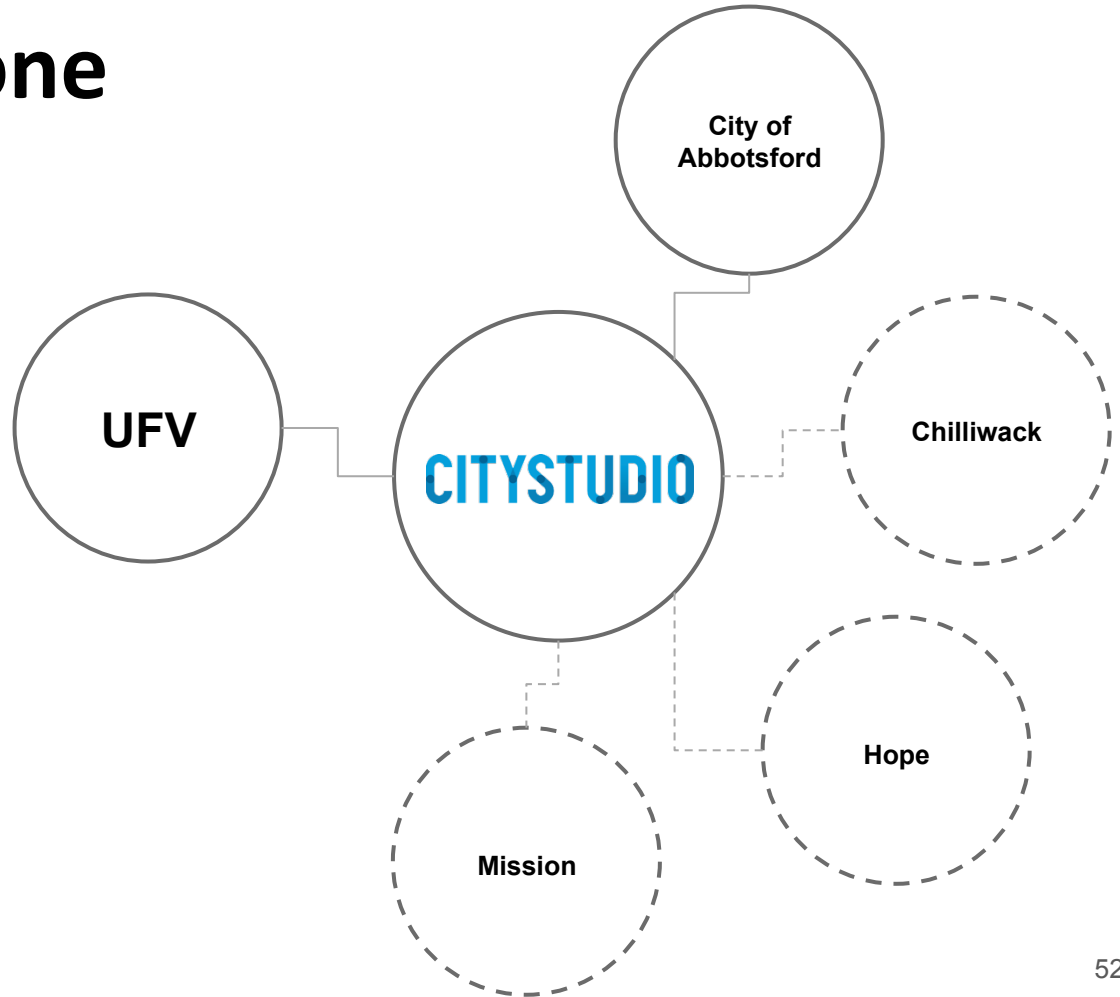
# A town with one or more schools...

- Vancouver
- Montreal
- London



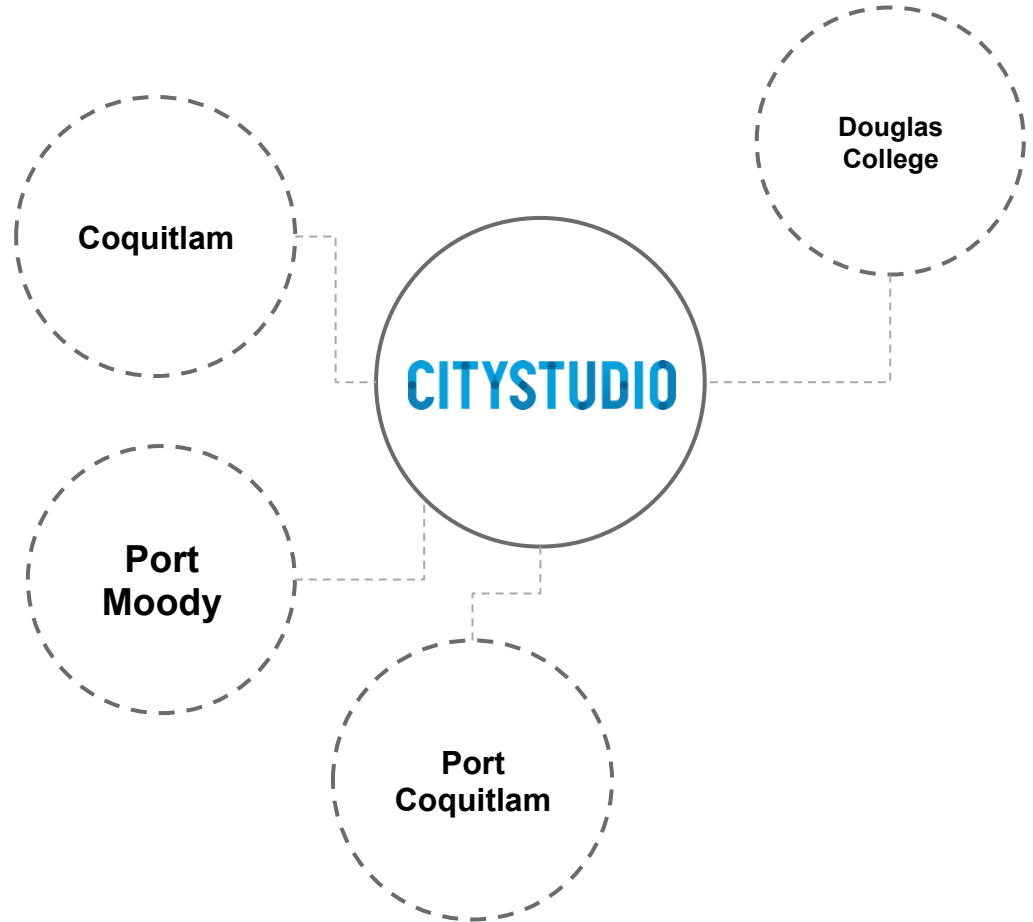
# One school with one or more towns...

- UFV
- La Trobe (Australia)
- Capilano U



# A region...

- **Tri-Cities**





# CITYSTUDIO

**76%** - inspired to take action

**87%** - feel more connected to city

**89%** - see new possibilities in city

**91%** - city is more livable, joyful  
and sustainable.

***“...has allowed me to investigate new project channels that I wouldn't ordinarily have the capacity to get off the ground.”***

***“CityStudio injects new perspectives, new energy...”***



- **What this model might mean for your municipality?**
- **What's sticking with you?**
- **Any comments or questions?**

# Want to Connect?

[www.citystudiovancouver.com](http://www.citystudiovancouver.com)

@CityStudiovan



**End**



*William Seitz*

**Conduct EXPERIMENTS to find boundaries**

**CITYSTUDIO**







**Design and build community Gardens**

**CITYSTUDIO**






AS STUDENTS IN VANCOUVER,  
WE WILL **THRIVE** WHEN...



OUR VOICES ARE  
**HEARD**



WE HAVE ACCESS TO EVENTS THAT ARE  
**ART-CENTRIC** NOT BAR-CENTRIC

# CONCIERGE

Hey, nice to meet you!  
How can we help?



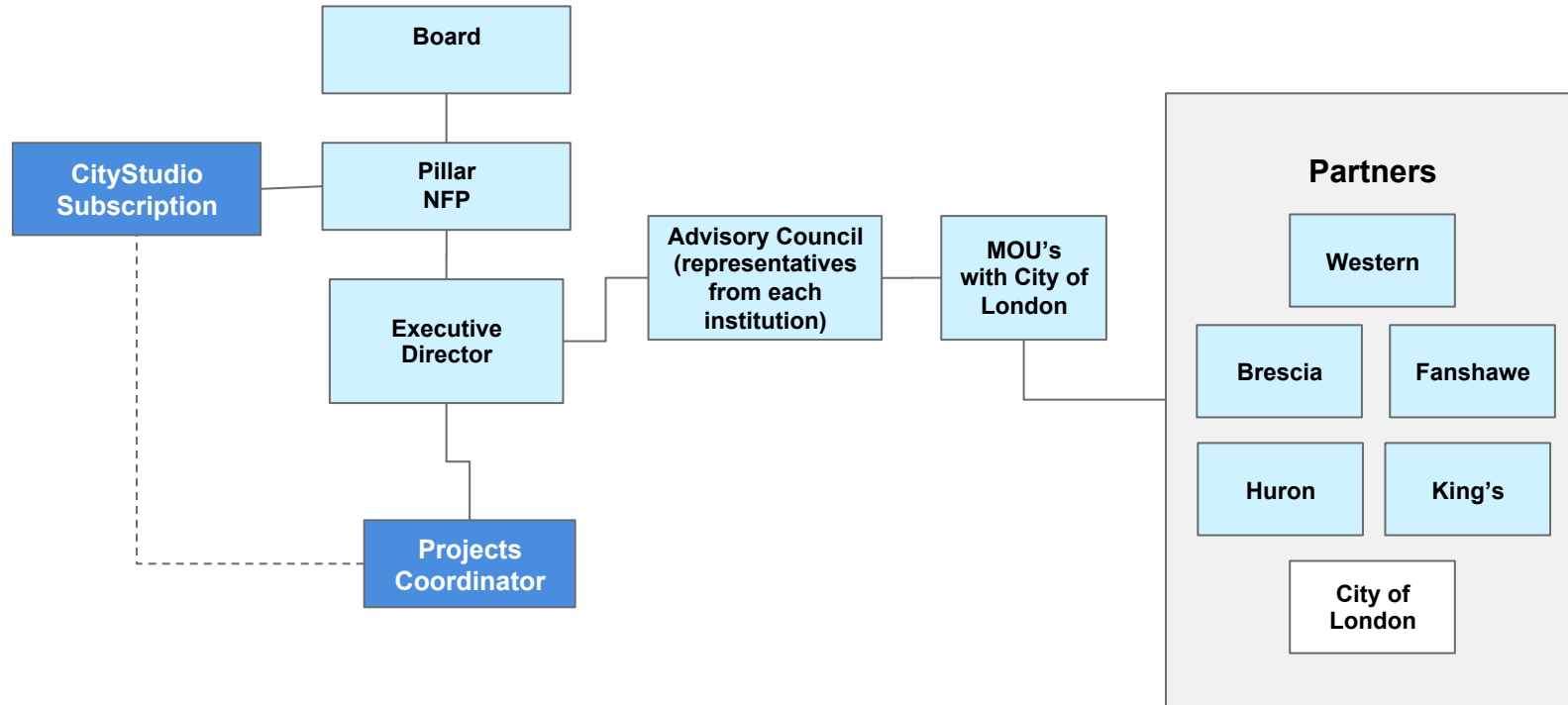
New multifamily high rise experiments to  
reduce social isolation.

**CITYSTUDIO**



# CITYSTUDIO

LONDON



# CITYSTUDIO

## ABBOTSFORD

