

BREAKOUT 3

# Digital Governance



# Breakout Agenda

**4 mins**      **Waterfront Toronto**

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**5 mins**      **Sidewalk Labs**

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**30 mins**      **Table Discussion**

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**10 mins**      **Report Back**

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**1 mins**      **Next Steps**

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Roundtable 4- December 8, 2018

# Digital Governance

Breakout Room

Kristina Verner, Vice President  
Innovation, Sustainability & Prosperity

# Implementation Requirements



## Data Privacy & Digital Governance: A Made in Canada Approach

- Proposals for approaches to protocols that could inform a **new global standard in data governance**
- **Compliance** with or exceedance of all applicable laws, regulations, policy documents and contractual obligations
- Methods and practices that provide for **meaningful consent** for data collection
- **Data Minimization**
  - Processing should only use as much data as is required.
  - Data collected can only be used for the initial purpose collected. Further uses require additional consent.
- **Data security and privacy**
  - Full compliance with all laws pertaining to privacy that apply to Quayside
  - Commitment to not share or link personal data with 3rd parties - including other Alphabet companies (i.e. Google) without consent
  - Data **cannot** be used for advertising purposes
  - Privacy by Design embedded in all solutions proposed
  - Architecture that ensures protection against the unauthorized access or data corruption throughout its lifecycle
- **Commitment and accountability to the ethical** use of technology
- **Shared Benefits of Data** – Data and solutions will be open where feasible and appropriate. Data will be shared with government open data repositories to ensure equitable access and opportunity to benefit.



# Implementation Requirements



## Data Privacy & Digital Governance: A Made in Canada Approach Continued

### Open Architecture and Standards Based

- Systems and platforms are designed to be open with - minimal proprietary architecture to foster innovation, promote competition, create freedom of consumer choice.
- Independent components that conform to open standards
- Open APIs (Application Program Interface)
- Data collected is shared as appropriate with government open data catalogues/portals on a free/portals on a free/non-exclusive use.

### Data and Technology Sovereignty

- Protocols, standards and operating agreements do not foster monopolies, barriers to entry or lock-in to a specific vendor
- Data independence - The data associated with solutions can be extracted for use with other solutions in the event that there is a need to move to a different platform/solution.
- Jurisdictional localization and equivalent protection provisions consistent with Canadian data protection laws will be incorporated
- Data will be stored in Canada as a first principle, unless there is a documented reason, beyond business case/finance, that precludes the data from remaining here.
- A commitment to Public transparency on routing and localization decisions.



# Evaluating the Evaluation



- Accountability and transparency remain at the core of Waterfront Toronto
- Waterfront Toronto wants feedback on our evaluation plan and objectives
- Before we receive the MIDP, our evaluation criteria, objectives, and priorities will be considered by:
  - ✓ the community
  - ✓ our government partners
  - ✓ **our Digital Strategy Advisory Panel (December 13, 2018)**
  - ✓ our Stakeholder Advisory Committee
  - ✓ Waterfront Toronto's Board of Directors and Investment, Real Estate and Quayside Committee



What We're Hearing...

# Civic Labs

Waterfront Toronto



# Purpose of Civic Labs



- To serve as a forum where Waterfront Toronto (WT) and its Digital Strategy Advisory Panel (DSAP) can act as a catalyst for **bringing together a range of interests and sectors to discuss key issues** related to digital governance and intellectual property (IP).
- To contribute to an **increased and shared level of literacy** around the topics of digital governance and IP among organizations and professionals.
- To **inform WT's work in reviewing the digital governance and IP opportunities** that are expected to be part of the Master Innovation and Development Plan (MIDP) submitted by WT's Innovation and Financing Partner (Sidewalk Labs) as part of their work on Quayside.
- To **reinforce WT's distinct and unique role as a catalyst and steward** for revitalization of Toronto's waterfront as a whole, its role as landowner at Quayside, and its leadership in seeking an Innovation and Financing Partner for Quayside.



# Overview



The Civic Labs are a forum for subject matter experts and advocates to share advice with Waterfront Toronto about issues related to potential digital elements in the planning of Quayside.

Civic Lab #1 focused on broad Digital Governance issues.

1. What issues would you like to see Waterfront Toronto consider as it reviews the digital proposals related to Quayside?
2. How do you think Waterfront Toronto can best determine what's in the public interest when dealing with the opportunities and challenges that are associated with smart cities?
3. Do you have any other feedback or advice related to smart cities that you'd like to share?



# Summary of Key Points Raised in Civic Lab #1



The points below reflect highlights of the discussion shared in plenary discussions

1. **Long-term, sustainable data governance.** Waterfront Toronto should explore strategies to ensure there is a long-term data governance model in place.
2. **Individual and collective privacy.** Waterfront Toronto should ensure that any smart city services adhere to the principle and law of de-identification-at-source (*and asking for consent where personal information is necessary to provide services*).
3. **Leverage others' experiences and seek their advice.** Waterfront Toronto should look to others, like Barcelona, to make sure it is building on their experiences.
4. **Enhance democratic institutions and service delivery to all groups.**



# Summary of Key Points Raised in Civic Lab #1



5. **Broader education.** Broader education is very important to this discussion, including education of both politicians and the broader public (*so they are literate about data and data governance*).
6. **Develop a Digital Strategy** grounded in first principles.
7. A more **detailed, grounded, concrete discussion.**
8. Connection between **data and algorithms.**
9. **Don't put the cart before the horse.**
10. **Feedback and advice about process.**



# Next Steps



- Future Civic Labs will focus on topics such as ***intellectual property, data monetization, civic data trusts***, and ***digital justice***, and others based on the feedback shared in Civic Lab #1.
- The next Civic Lab, which will take place in January 2019, will include more detail about the updated Sidewalk Labs proposal.





a waterfront for everyone





BREAKOUT 3

# Alyssa Harvey Dawson

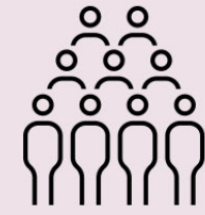
SIDEWALK LABS



# A New Model for Data & Privacy

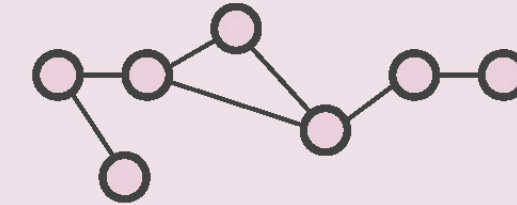
The purpose for urban data collection in Sidewalk Toronto is to improve the day-to-day operation of the neighbourhood and to ultimately create a place that's more sustainable, accessible, and responsive to local needs. In addition to the protections provided by Canadian privacy and other laws, Sidewalk Labs commits to four key components of Digital Governance:

## Civic Data Trust



Sidewalk Labs recommends that an independent entity be established to manage and make accessible all data that could reasonably be considered a public asset. The Civic Data Trust would establish rules and standards that would apply to all entities operating in Quayside, including Sidewalk Labs. With the Civic Data Trust, there is a move away from private entities, including Sidewalk Labs, solely owning and controlling these assets.

## RDIA



### Responsible Data Impact Assessment

Sidewalk Labs recommends that RDIAs be auditable and, if required by the Civic Data Trust, publicly accessible, absent confidential and proprietary information.

## Published Standards

Sidewalk will base its technology on published standards, making it easy for others to build and connect new services, offer competitive alternatives, and drive innovation.



## RDU Guidelines

### Responsible Data Use Guidelines

A commitment to adhere to guidelines that put personal privacy and the public good first, while fostering innovation.

## *A New Global Model for the Collection and Use of Urban Data*

Sidewalk's proposed approach to digital governance in Quayside will demonstrate to Toronto, Canada, and the rest of the world that cities do not need to sacrifice their values of inclusion and privacy for opportunity in the digital age.



# Three Example Use Cases for Us to Discuss



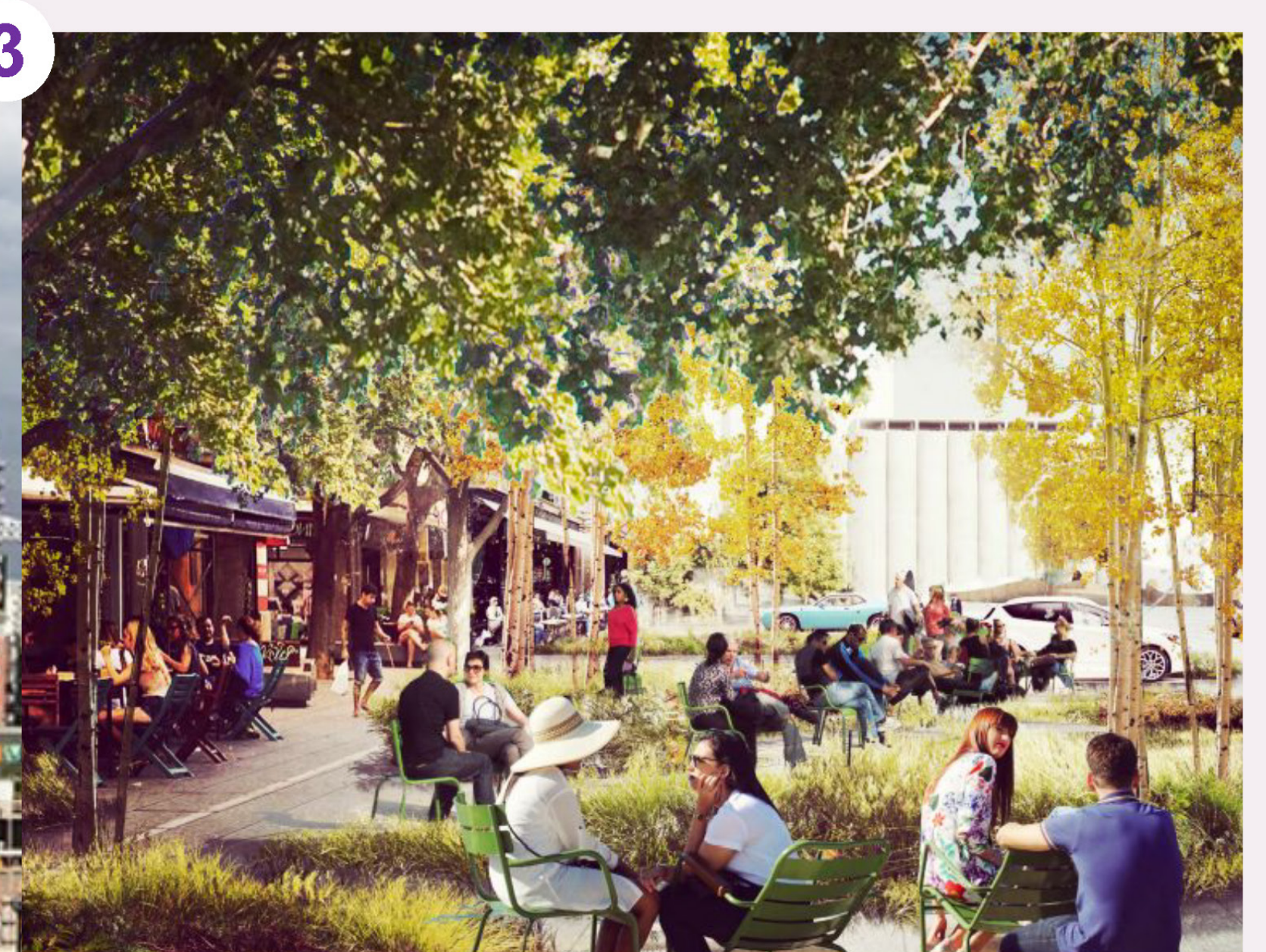
## Transportation

To reduce congestion, increase safety across all modes of transportation



## Building Efficiency

To achieve climate positive, and create more comfortable living and working spaces



## Public Life

To create vibrant, well-managed public spaces that meet community needs



## BREAKOUT 3

# Table Activity

BREAKOUT 3

# Reporting Back



# SIDEWALK TORONTO

