



a waterfront for everyone



Revisiting Realizing the Value of Data

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Chair, Waterfront Toronto DSAP



March 26, 2019

Realizing the Value of Data Civic Lab

Waterfront Toronto

Agenda



Items:

1. Welcome and Opening Remarks
2. Introduction & Agenda Review
3. Urban Digital Ecosystem
4. Intellectual Property in the Canadian Context
5. Smart City Data as an Important Public Resource
6. The World of Open Data
7. Best Practices from Around the World
8. Break
9. Discussion
10. Expert Reflections
11. Closing Remarks
12. Adjournment

Presenters:

Charles Finley (*DSAP*)
Nicole Swerhun (*Facilitator*)
Kristina Verner (*WT*)
George Takach (*McCarthy Tétrault*)
Kurtis McBride (*Miovision*)
Bryan Smith (*ThinkData Works Inc*)
Michael Geist (*University of Ottawa*)

All
Panel
Kristina Verner (*WT*)

India: city development

Japan: private company growth/standards

Brazil: low cost housing

UAE: environment

Many cities: innovation/quality of life

Transit Data

- Passengers
- Community
- Environment
- Local and Global Businesses
- Transit services
- Service providers

Transit Data

- Revenue Generation – sell access to high end data
- Revenue Savings – “outsource” new development to the community
- Interoperability – terms that mandate openness
- Real time data – limit ability to challenge app developers
- Patents – use data as a shield against patent claims

Canadian business

Economic growth

Public benefit

Developing global standards

Community branding

How do you extract value?

~~How do you extract value?~~

What do you value?

MAY 22, 2019

Digging into Digital on Toronto's Waterfront

Kristina Verner

Vice President, Innovation, Sustainability & Prosperity
Waterfront Toronto

Waterfront Toronto's Mandate:

To revitalize the lands by Lake Ontario, transforming past industrial sites into thriving neighbourhoods that support economic vitality and enhance quality of life.

Waterfront Toronto's Innovation Agenda:



To create a world leading exemplar of 21st century city building, where the physical, digital, social, environmental and economic factors align to create an exceptional quality of life. (2014)

The Intelligent Community Method



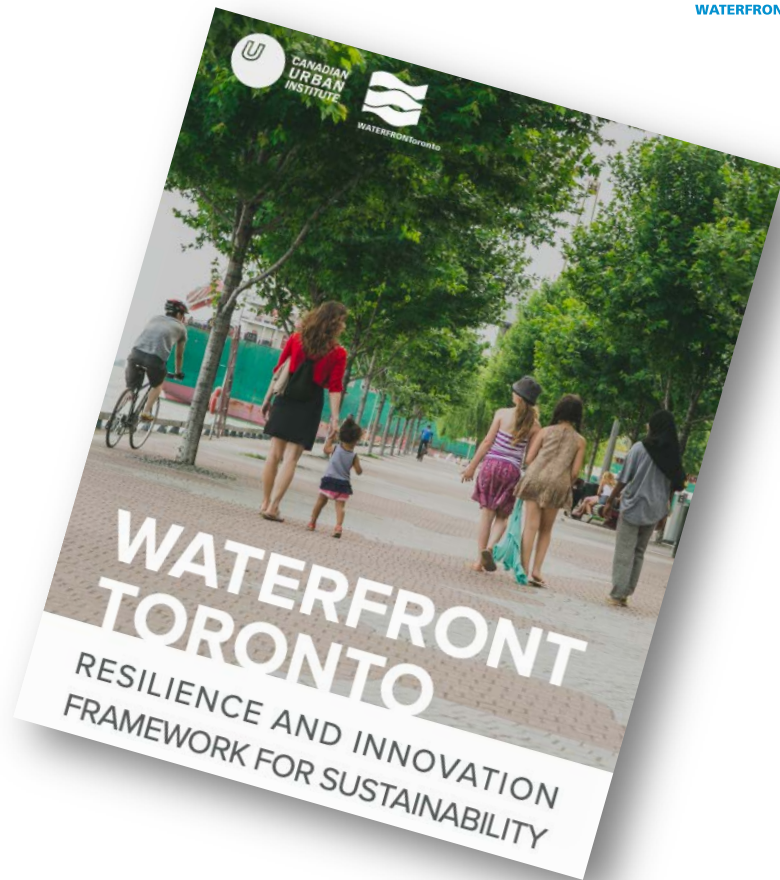
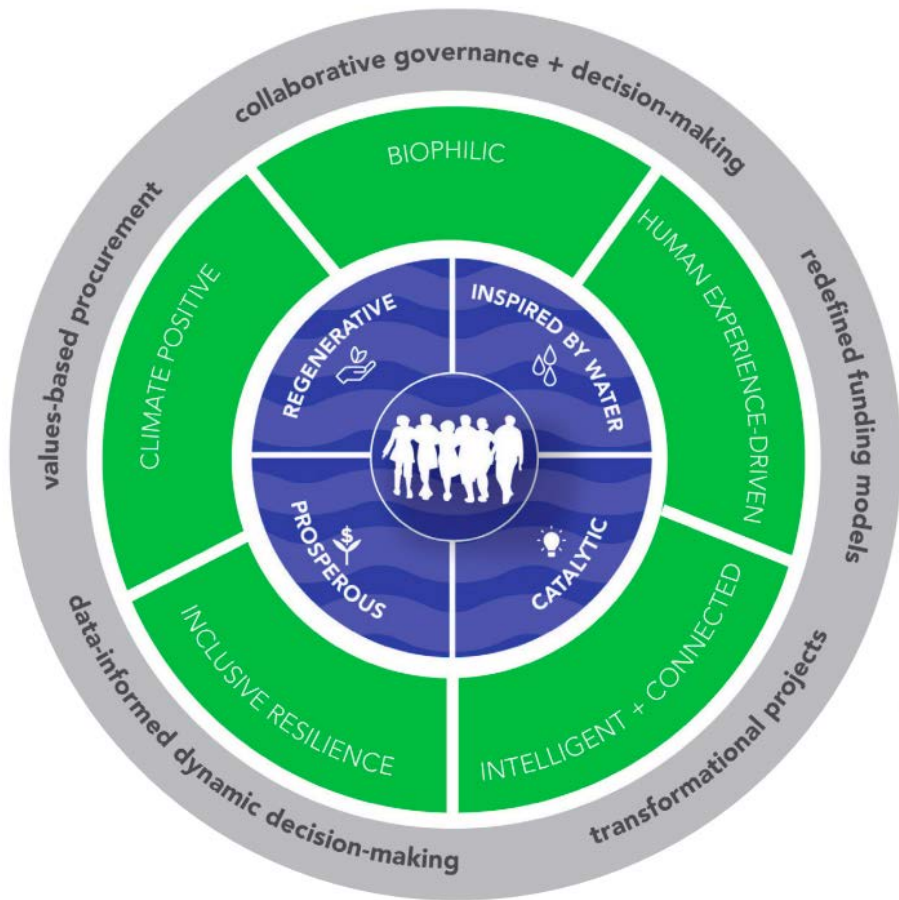
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What is an Intelligent Community?

Intelligent communities focus on social, economic, environmental, and technical approaches that are underpinned by innovation, collaboration and public policy advances. They focus on improved quality of life through effective solutions, inclusivity, and input from public, private, government and not-for-profit sectors.

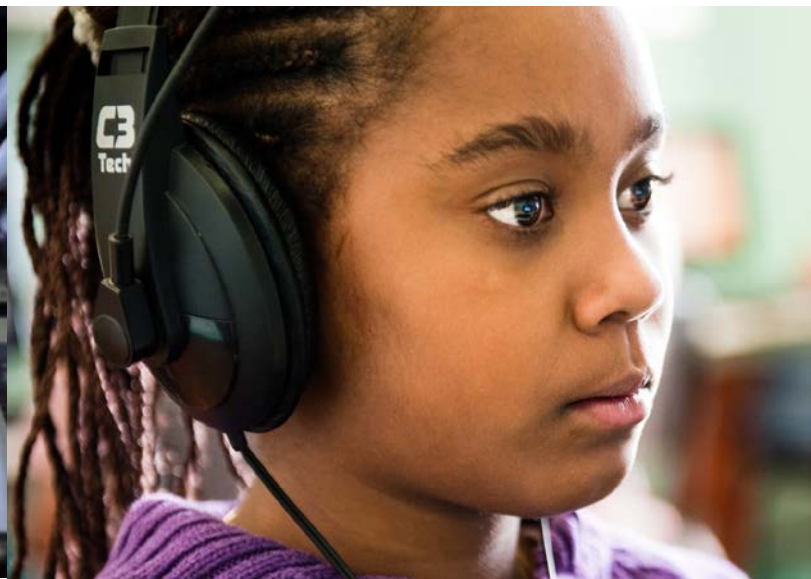


Our Guiding Framework



Building Intelligent Communities

- Privately-funded, fibre-optic gigabit community network
- Digital inclusion strategy
- Development of the Menkes Waterfront Innovation Centre
- Attraction of research and innovation tenants to the waterfront (e.g. Corus, GBC, OCADU, UofT, MaRS, Artscape, and WPP)
- **Toronto Awarded 2014 Intelligent Community of the Year by the Intelligent Community Forum**

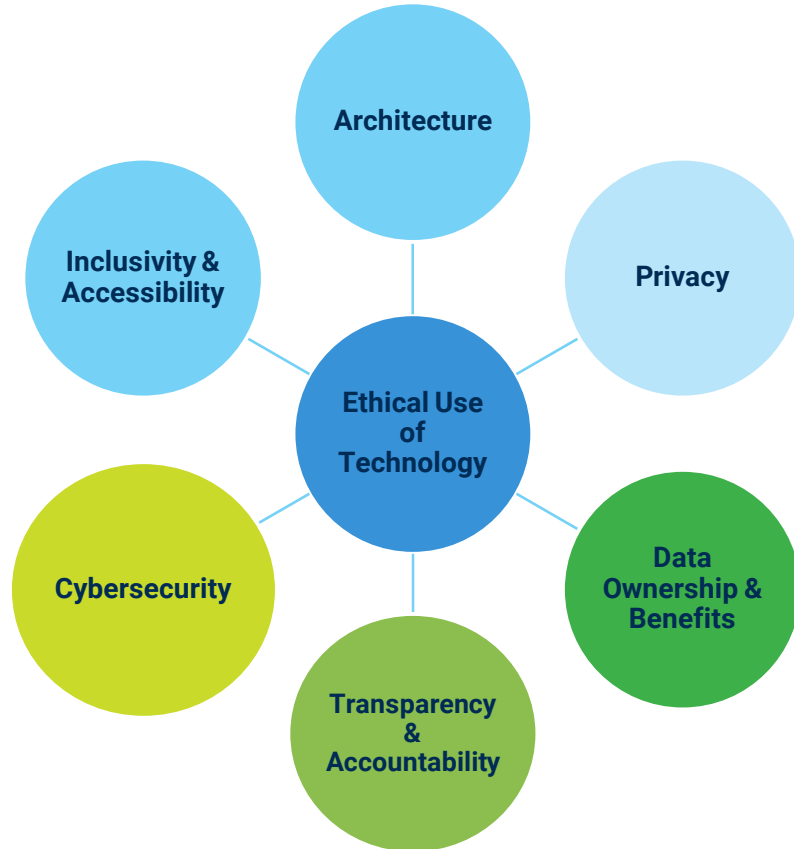


Today – An important moment in the conversation



- No longer are “smart cities” abstract concepts that are being discussed solely by technologists, academics or public sector officials.
- There has been unprecedented media coverage of these topics over the past year that has enabled a higher degree of discourse with a broader and more diverse segment of the population. Civic literacy – particularly digital literacy – remains an essential focus.
- Risks, ethical considerations, including privacy, data ownership/data sharing, are being discussed in a more balanced way than ever before.
- We genuinely have a chance to create smart city and/or intelligent community initiatives that are inclusive and reflect the needs and wishes of citizens.

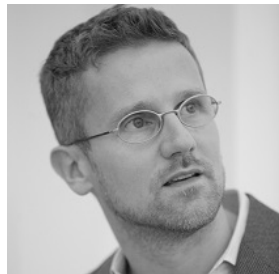
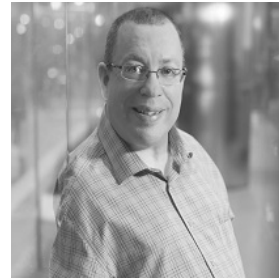
Considerations for the creation of a Digital Neighbourhood



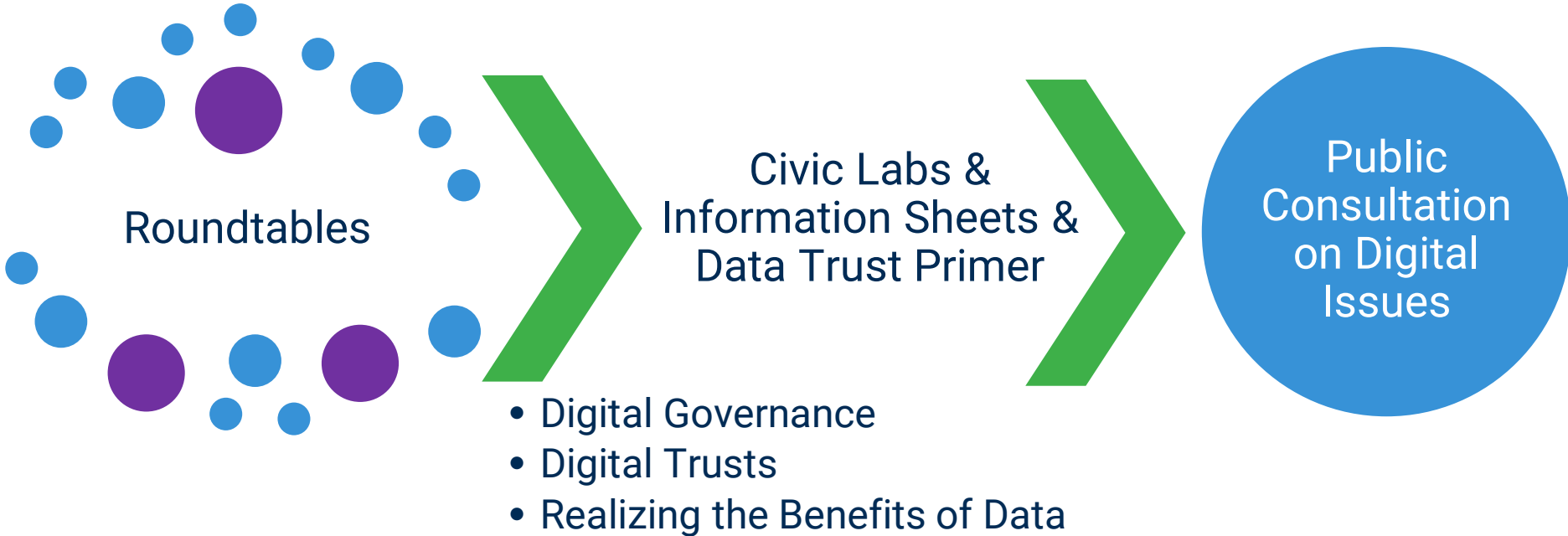
It is important to recognize Waterfront Toronto's role in these areas:

- We cannot create new, or modify the existing policy or regulatory framework.
- We can require compliance with the existing environment and encourage proponents to exceed these through contractual obligations.
- We can convene conversations about these issues, leveraging the proposals as a grounding mechanism to think through specific opportunities and limitations.
- We can share information with our government shareholders to complement their consultation activities.

Waterfront Toronto's Digital Strategy Advisory Panel



Quayside as a catalyst for public consultation



Civic Labs – Reflection on the conversations



Focus
on what
people
value

Define the purpose of each question

Increase participation throughout the conversation

Leverage experience locally and globally

Ensure civic education and digital literacy are addressed

Consent must be meaningful, control must be mandatory

Public trust and public accountability are essential

Embed funding and sustainability mechanisms into the solutions

Provide clarity on regulatory, legal, compliance and enforcement

Understand and reflect the “Value of Data”

Provide opportunities for Canadian Companies

Draft Digital Principles





ABOUT QUAYSIDE

WHAT IS THE QUAYSIDE PROJECT?



FIND OUT NOW

ON THIS PAGE

RFP Objectives

The Planning Context

<https://quaysideto.ca/>



a waterfront for everyone



access

opportunity

connections

**Digital literacy
in the 21st
century public
library**

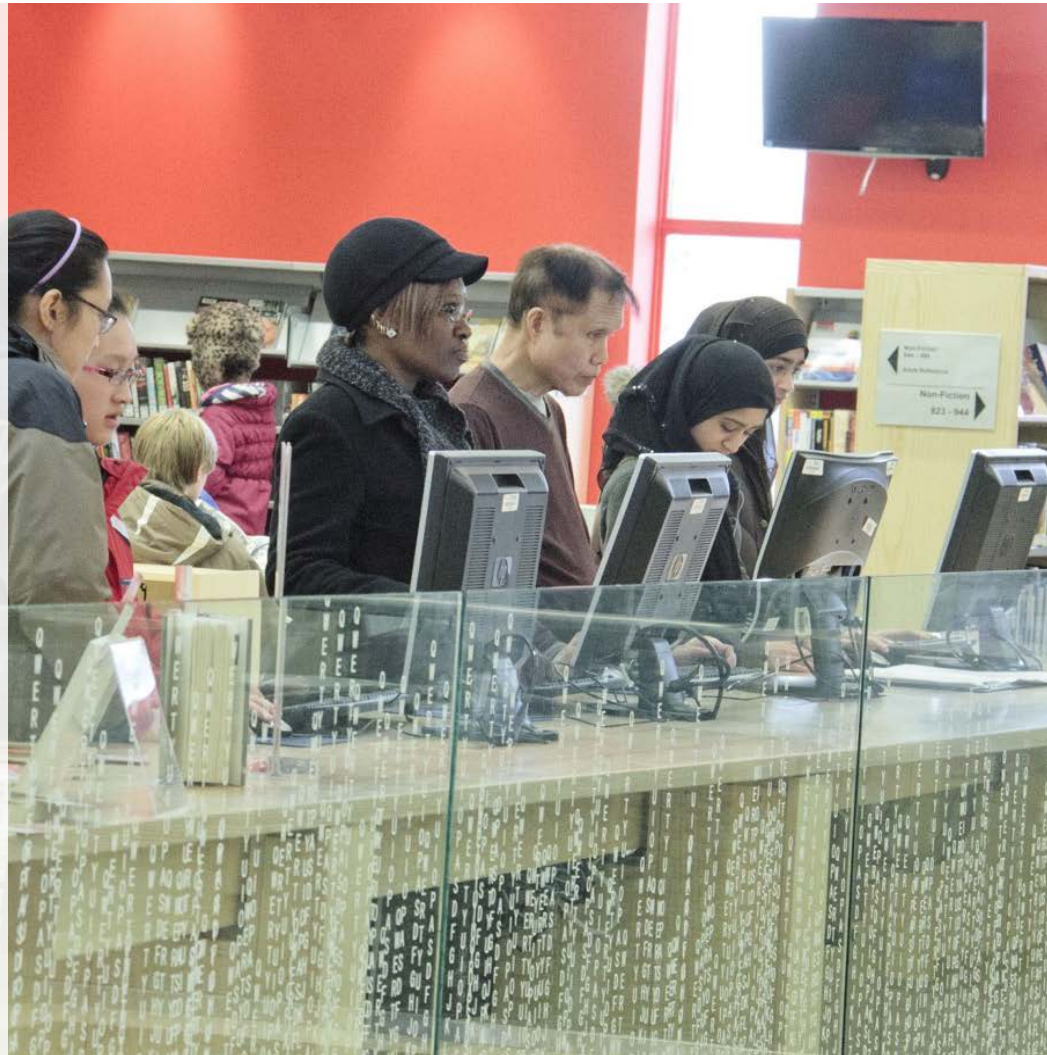
Pam Ryan

Alex Carruthers



**access
opportunity
connections**

the foundations
for lifelong
success
in the 21st century
are increasingly
dependent on
access to online
services and
networks



The background image shows a library or digital center with several people, including women in hijabs, sitting at long tables and using desktop computers. The scene is brightly lit, and the overall atmosphere is one of active learning and digital engagement. The text is overlaid on this image.

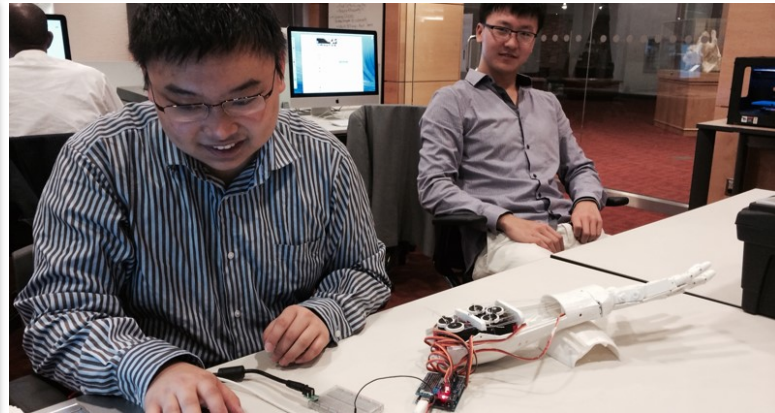
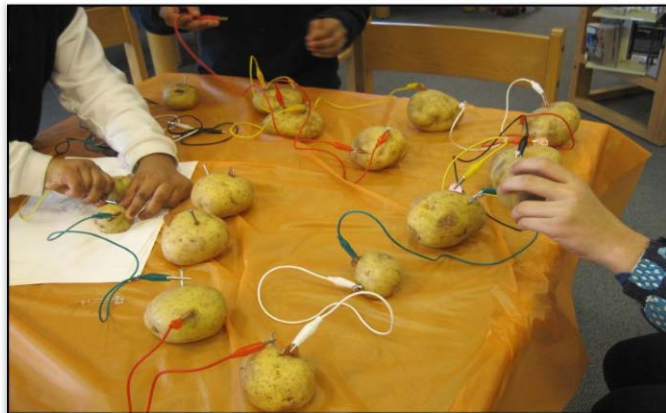
access

opportunity

connections

No other public institution has the mandate and reach, physical and technical infrastructure, talent and community presence to support digital inclusion and literacy for all

opportunities for creativity and innovation



digital innovation hubs



pop-up learning labs



civic hackathon



opportunities for experiential, collaborative & self-directed learning



Learning Centres and Computer Training



Digital privacy and algorithmic literacy



DIGITAL PRIVACY EXPO

ANSWERING YOUR QUESTIONS ABOUT
DIGITAL PRIVACY AND ONLINE SECURITY

.....
SATURDAY, SEPTEMBER 22 10 AM – 4 PM

North York Central Library 5120 Yonge Street

Visit tpl.ca/digitalprivacy
for a full event program, and to book your free tickets.

TORONTO PUBLIC LIBRARY

Workforce Development: Let's Learn Tech



And more!



4 Million
Workstation Uses



5 Million
Wireless Sessions

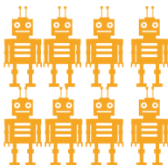


Youth Hubs

11 Youth Hubs
71,386 Youth Visits

Children's Robotics

50 Branches
120+ Robots
370+ Events and Programs
6,000 Participants



Innovator in Residence

48 Programs
568 Participants



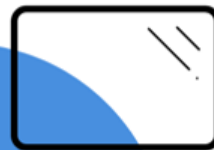
Maker Faire

14,584 Visitors



lynda.com

240,859
Sessions



2,075
Public Workstations



29 Million
Website Visits




3,570
Tech Book-a-
Librarian Sessions

opportunities for all







We want feedback on what digital literacy supports Toronto residents need to inform discussions of technology in cities

- 1. Think about the next 5 years. What issues or challenges will you and/or your community be facing?**
- 2. What could the library do to help you and/or your community?**
- 3. Is there anything else you would like to tell us?**



Pam Ryan

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