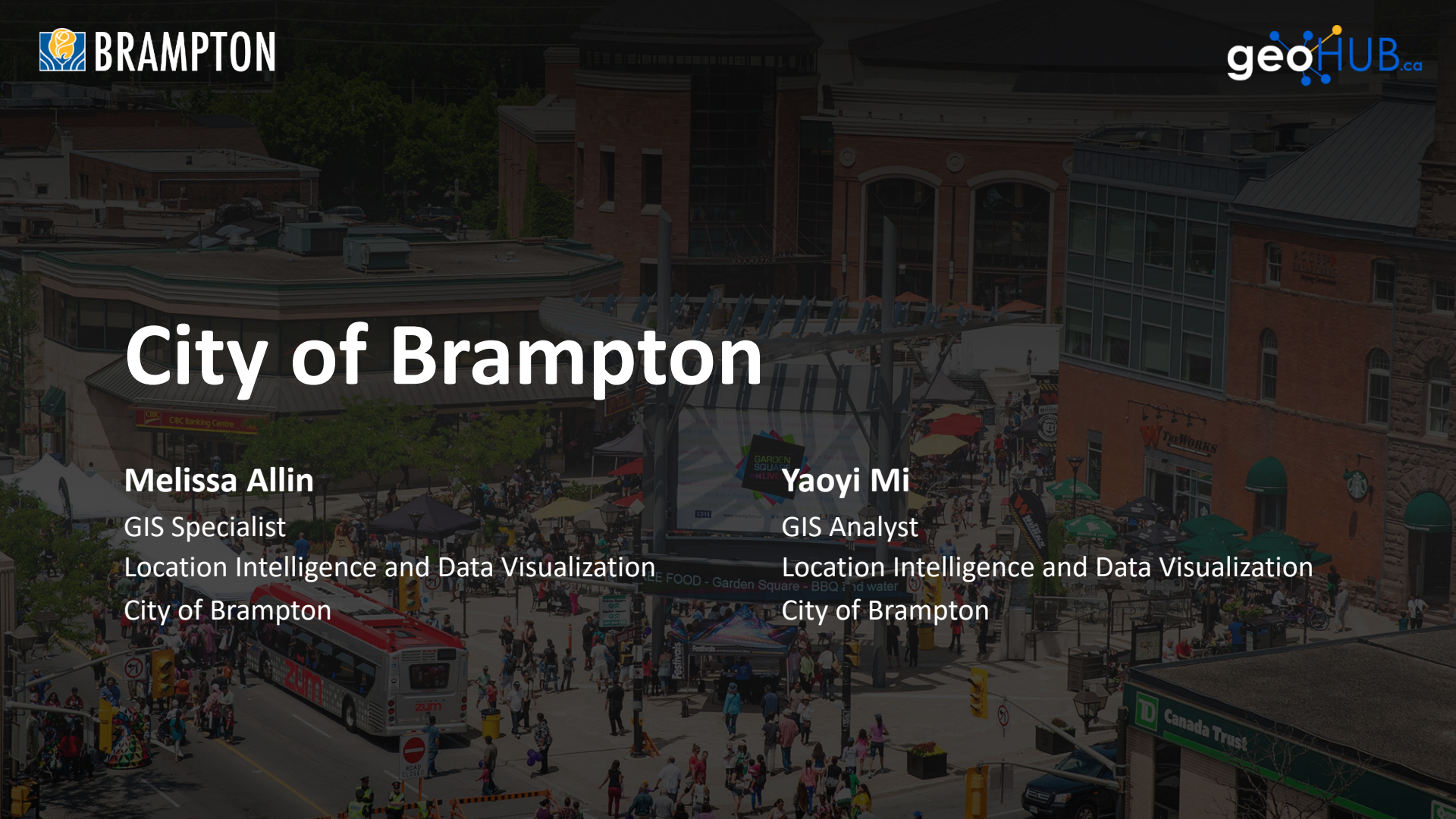

City of Brampton

Melissa Allin
GIS Specialist
Location Intelligence and Data Visualization
City of Brampton

Yaoyi Mi
GIS Analyst
Location Intelligence and Data Visualization
City of Brampton

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Brampton, Ontario Canada

- Population over 600,000
- Large Youth population
- Diverse Communities with high percentage of New Comers
- Sits at the centre of a major Innovation Corridor

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APPS

MAPS

STORIES

DATA

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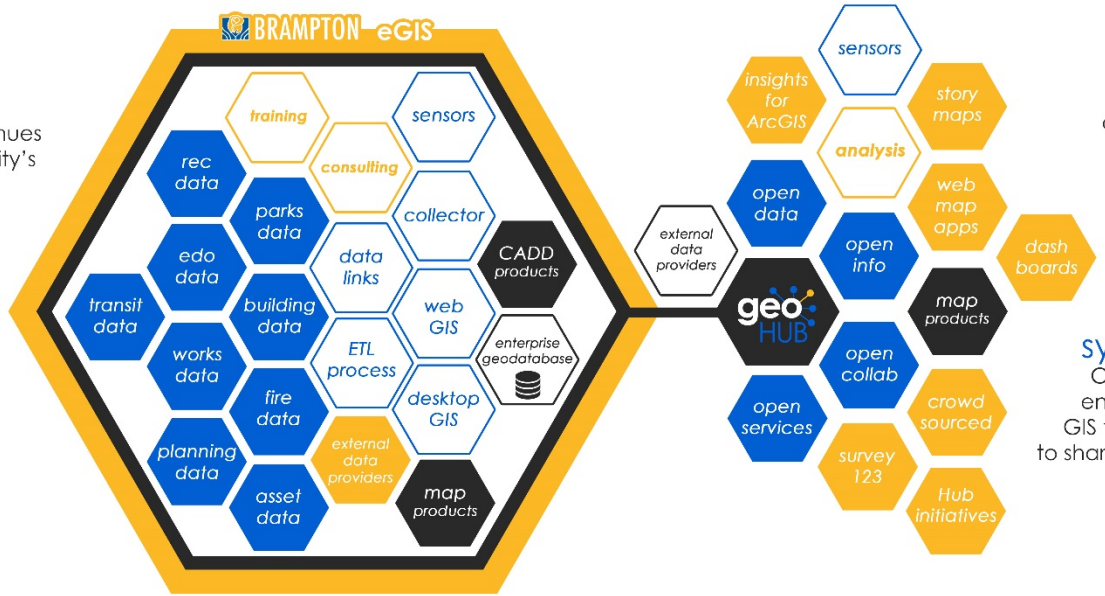
system of record

GIS has traditionally been and continues to be a 'system of record'. It is the City's authoritative data for assets and information that support critical business processes. Corporate data integrated from enterprise systems is made discoverable through the City's GeoHub.



system of insight

Insights, analysis tools, story maps and dashboards are key elements of the GeoHub System of Insight. Data is discoverable, meaningful and humanized so that any user internal or external can derive value from it.

system of engagement

Communities are looking at ways to engage with their local government. GIS tools and services are the platform to share content, inform and collaborate with citizens, staff, businesses and acadamia.

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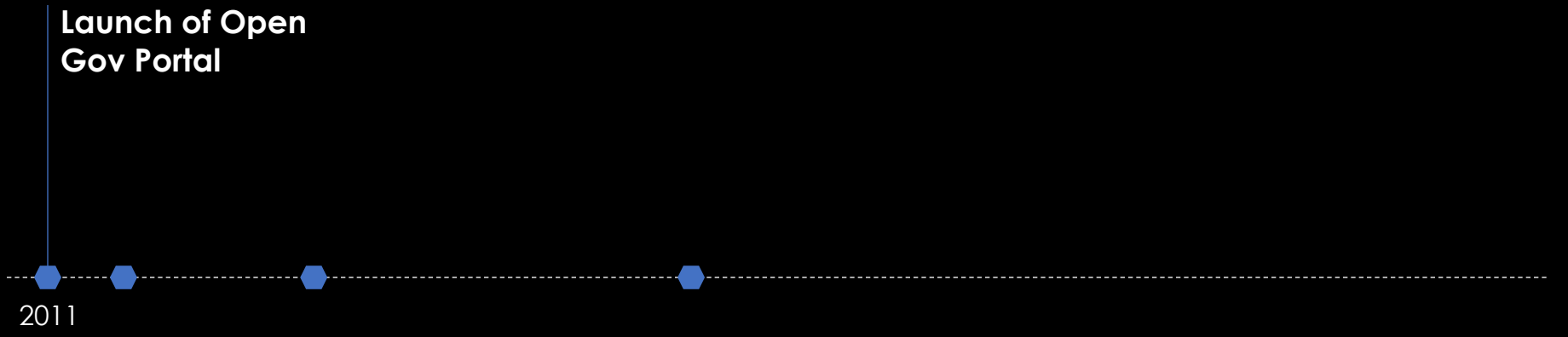

Open Data Timeline

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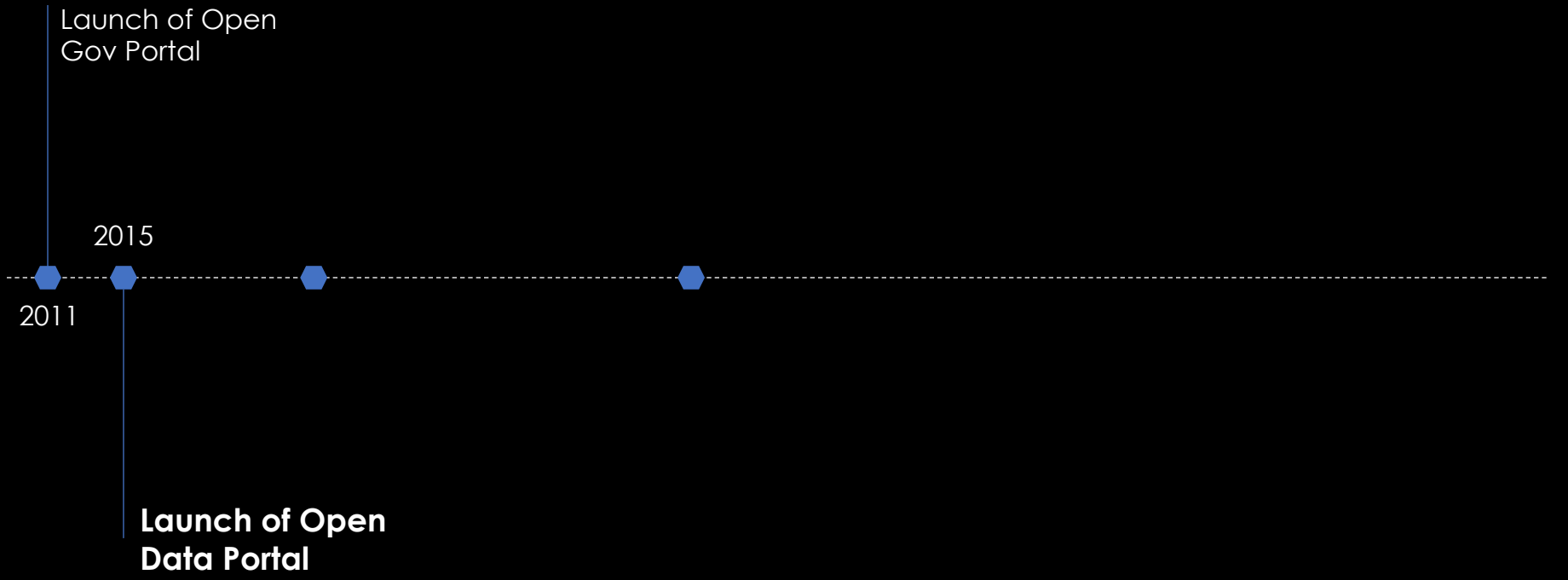
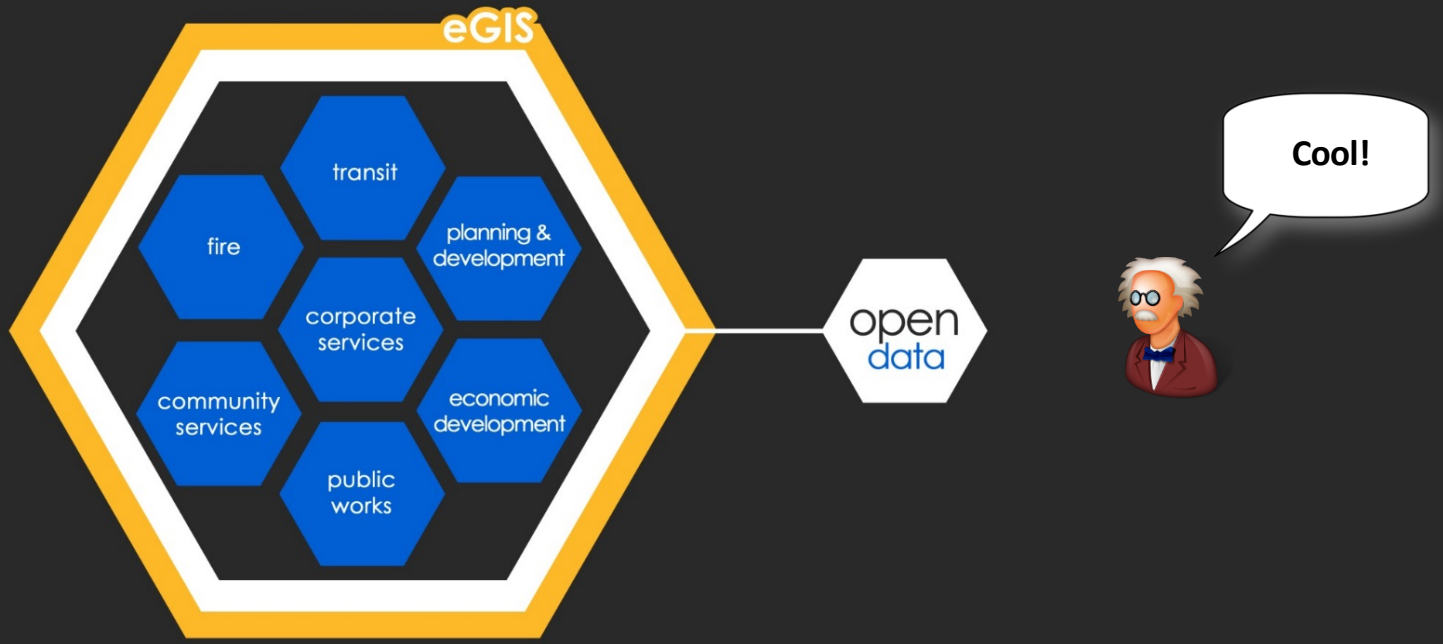
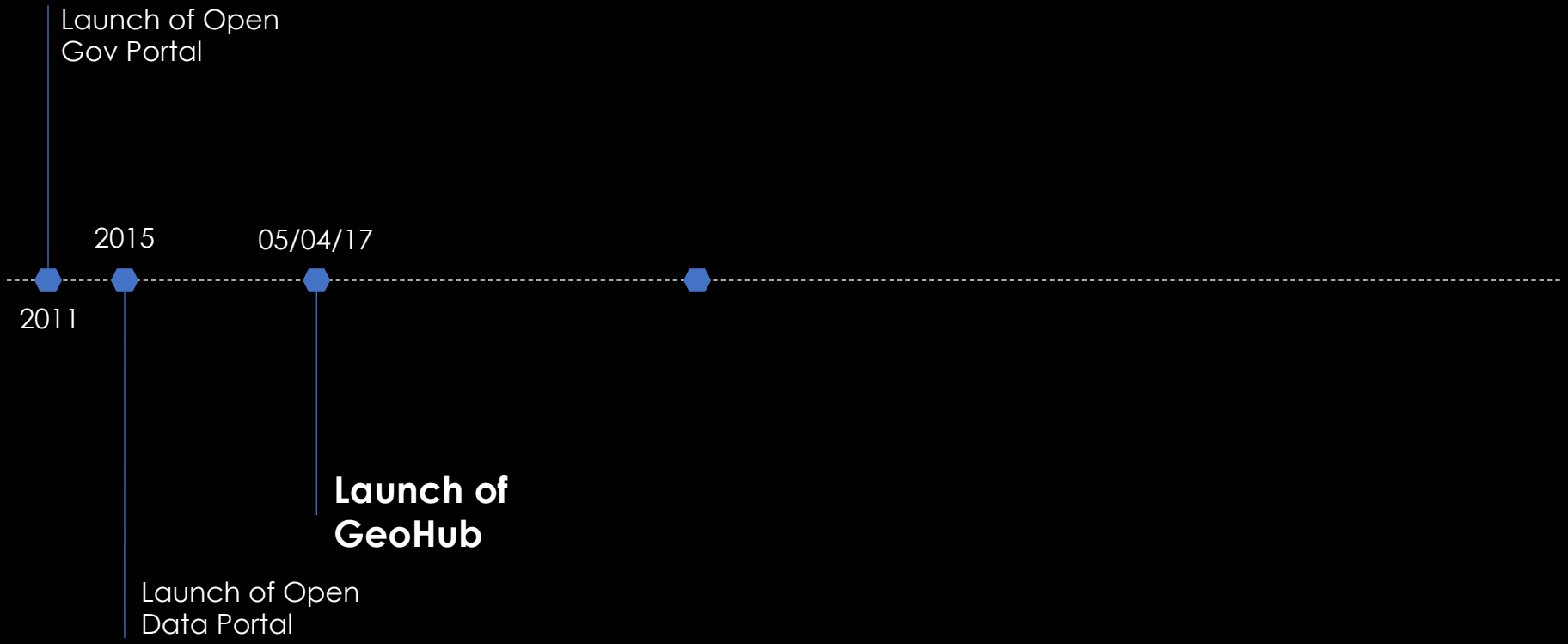


Open Data Timeline


eGIS
transit
fire
planning & development
corporate services
community services
economic development
public works
open data
Cool!



Open Data Timeline

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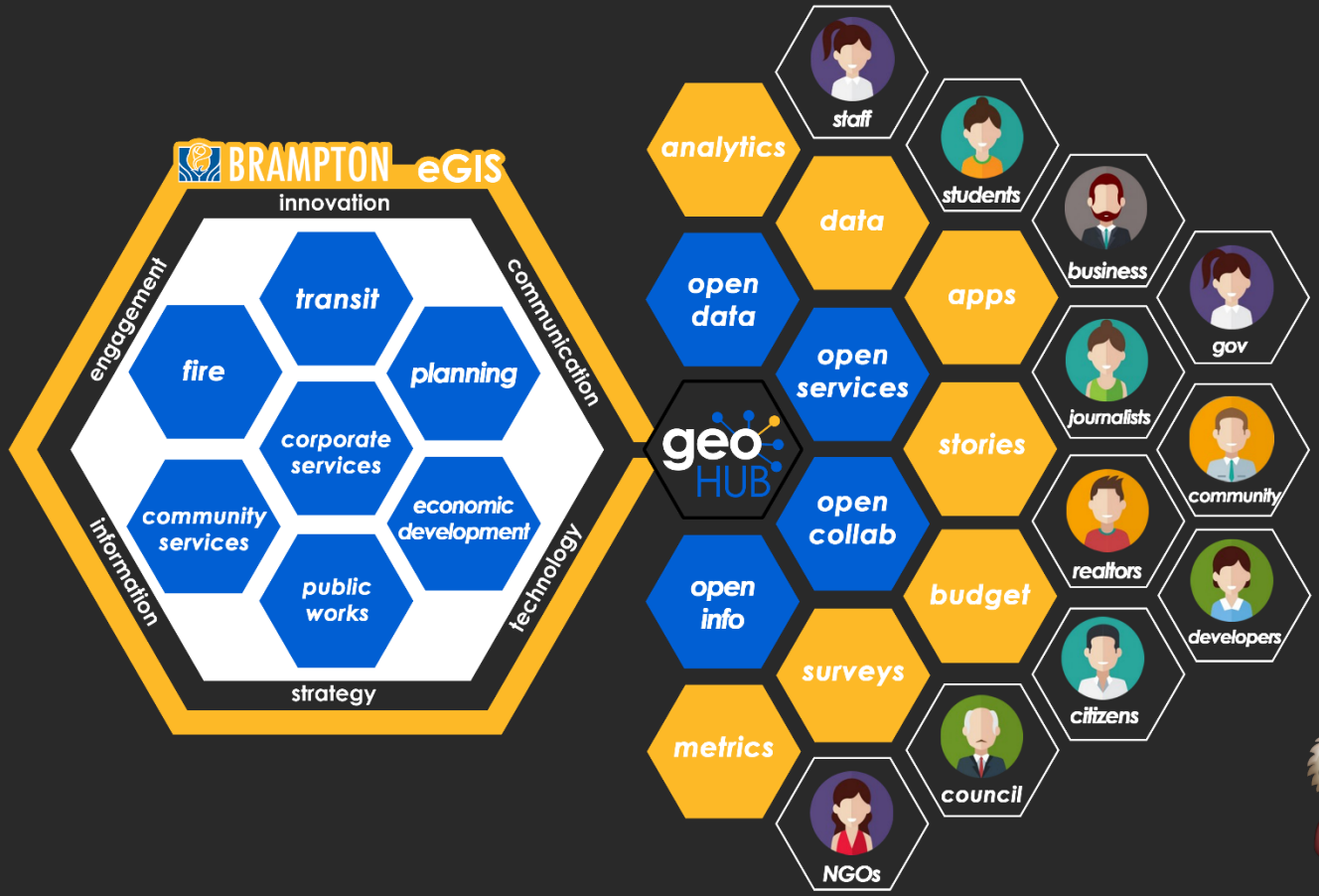

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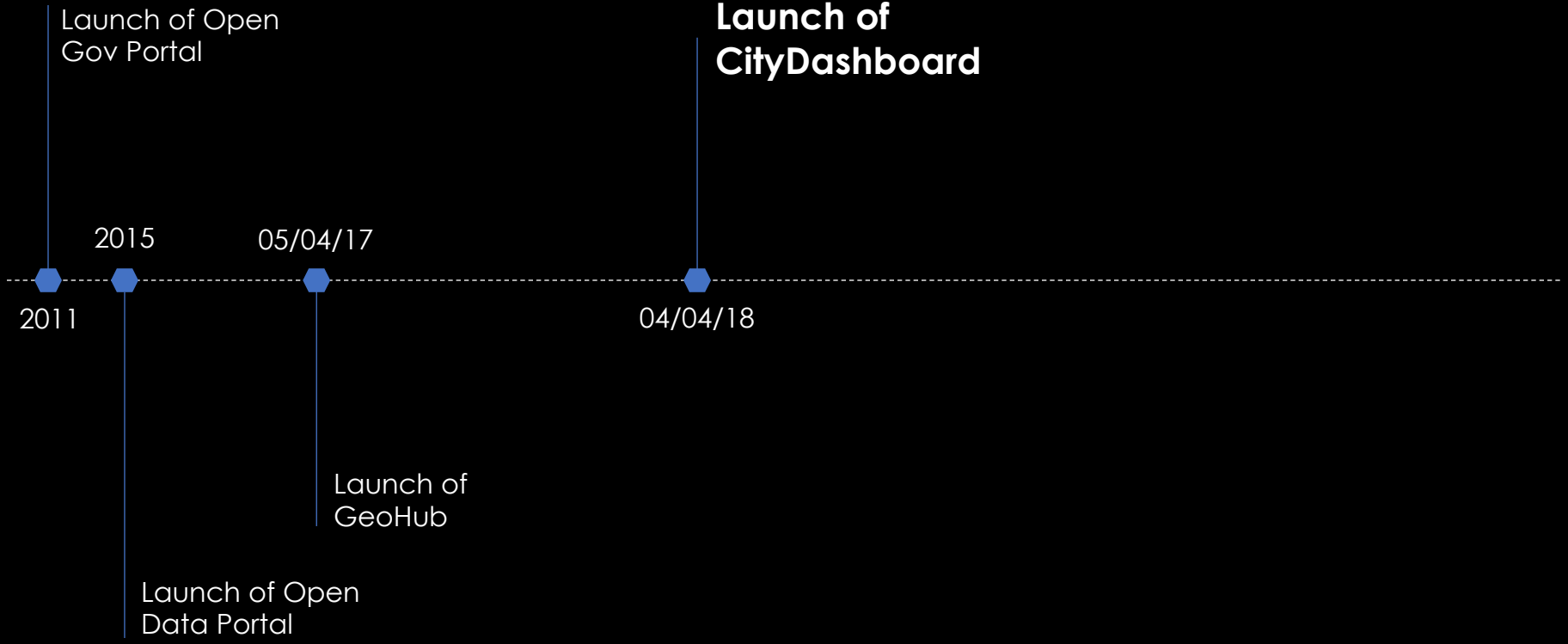
How?

1. Find your champions
2. Build excitement
3. Be strategic

Benefits

- Increased Transparency
- Improved Productivity
- Reduced Costs
- Collaboration and Engagement

Building Partnerships



Open Data Timeline

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citydashboard v1.0

Finance & Assets | Customer Service | Community Well-Being | Livability | Economy | Urban Form

Community Well-Being

Caring for the health, safety and well-being of our residents.

Meeting Target | Near Target | Needs Improvement | Monitoring

Sense of Community Belonging	Physical Activity Rate	Crime Rate	Residential Fire-Related Injuries
69.4%	42%	2,440	0.16
Residents reporting "Very" or "Somewhat Strong" sense of community belonging. (2013-2014)	Population (aged 12+) who are physically active during leisure time. (2013-2014)	Crimes per 100,000 population. (2016)	Injuries per 100,000 population. (2017)

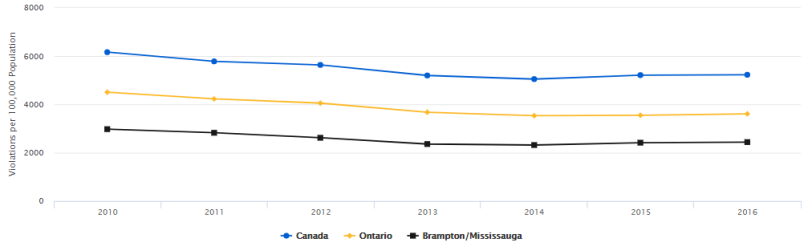
Residential Fire-Related Fatalities	Total Motor Vehicle Collision Rate	Fatal Motor Vehicle Collision Rate	Incidence of Low Income
0.82	1,997	3.29	16.6%
Fatalities per 100,000 population. (2017)	Per 100,000 population. (2016)	Per 100,000 population. (2016)	Residents living below income measure. (2015)

Crime Rate

We are monitoring this measure

Target: We are monitoring this measure.

Criminal Code Violations (Excluding Traffic Violations) Per 100,000 Population



Source: Statistics Canada, Incident-based crime statistics by detailed violations (and police services, Ontario) CANSIM Tables 252-0077 and 252-0051

Why is this measurement important?

Bramptonians deserve to feel safe in their neighbourhoods and the community at-large. The City has a role to play in collaborating with community partners, including Peel Regional Police, to ensure the safety of our residents is protected and enhanced.

How is this measured?

The Canadian Centre for Justice Statistics (run by Statistics Canada), in co-operation with the policing community across the country, collects police-reported crime statistics through the Uniform Crime Reporting Survey (UCR). Peel Regional Police provides the data for our policing jurisdiction as Brampton and Mississauga combined.

What progress are we making?

In line with provincial and national trends over the past few decades, Brampton and Mississauga has seen a positive decline in the number of criminal code violations. Contributing factors include the changing nature of crime, changes to policing practices, and even the fact that our population is aging (1).

Efforts are currently underway to verify some Brampton-specific data to better compare Brampton to provincial and national trends.

Although the overall trend is showing a positive decline, our sense of security is impacted when incidents occur close to home. To better serve Bramptonians, the Brampton Community Safety Advisory Committee was created to nurture a collaborative network of community agencies and residents to empower community specific solutions. Through community engagement and the future development of Community Safety and Well-Being Plans, we continue to prioritize the safety and well-being of all Bramptonians.

(1) Statistics Canada (2016). The Daily. Canada's Crime Rate: Two Decades of Decline.

DEMO - GeoHub

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How does the City of Brampton engage External Clients & The Public?

- Rally the community around positive change
- Encourage citizens, businesses, and academics to participate on key initiatives.
- Utilize their skills and interests through hosted events and share and monitor collected data through engagement dashboards.

Geohub for the Citizens:

- Highlight the initiatives that drive the City's 2040 Vision
- Provides valuable & purposeful information and data to the Citizens of Brampton
- Helps build a smart community blueprint, enables collaboration of information between Brampton front line workforce and the citizens.
- Allows citizens, businesses and academics to participate on key initiatives.

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Esri GIS Ambassador:

- **4** different school partnerships, working with many others to provide maps & data
- **5** City of Brampton GIS employees are enrolled in the program
- **7** classroom visits, several demos, and meetups with teachers
- Adjudicator at Regional GIS Skills Competition on March 28, 2018
- Collaborated with Esri Canada to provide data and criteria for Ontario Skills Competition
- Adjudicator at Ontario Skills Competition on May 8, 2018
- **3** judges at the Peel Skills Challenge on March 19, 2019

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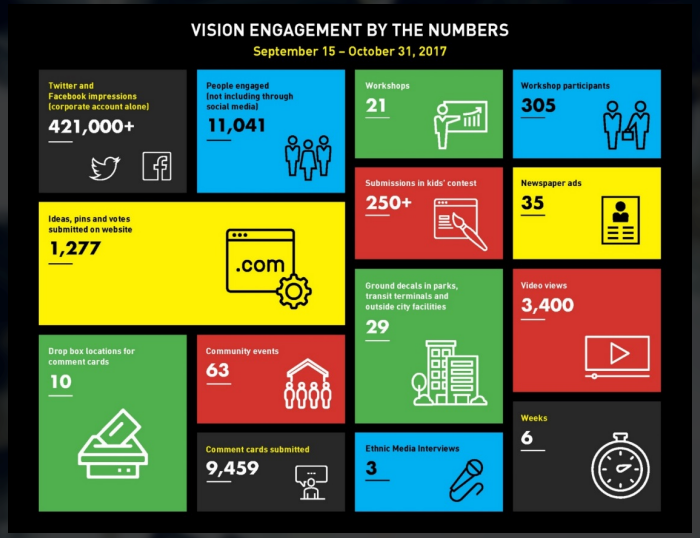
A hackathon is where all types of people with different skills come together to collaborate and build out ideas in a short-term & gamified innovation event

Date: August 11-12, 2017
Time: 24hrs
Cost: Free
Attendees: 200

Date: December 16, 2017
Time: 12hrs
Cost: Free
Attendees: 100

Date: march 25, 2018
Time: 12hrs
Cost: Free
Attendees: 200

Brampton 2040 Vision



Brampton 2040 Vision

2019-2022 Term of Council Priorities

- 22 priorities identified
- Within each of these priorities, specific projects identified
- Priorities embedded within 5 strategic directions:

A City of Opportunities	A Mosaic	A Green City	A Healthy & Safe City	A Well-Run City

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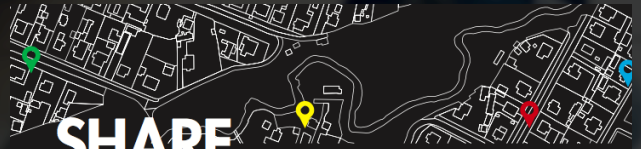
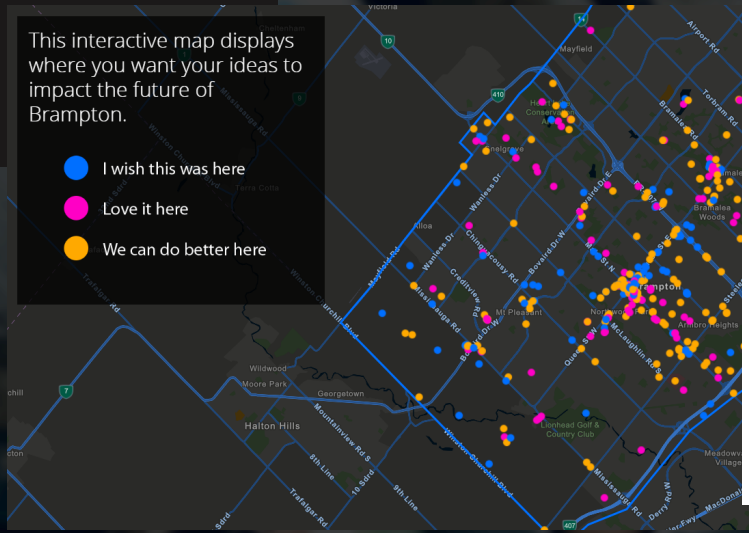
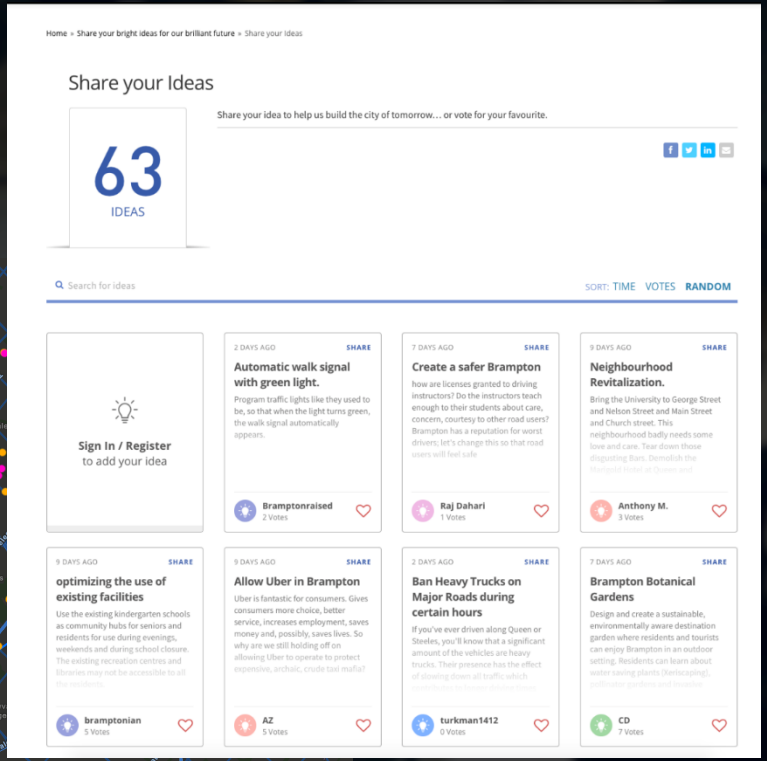
Brampton 2040 Vision



SHARE YOUR BRIGHT IDEAS FOR OUR BRILLIANT FUTURE

What does Brampton's future look like to you? We want to hear your ideas to help us build the city of tomorrow.





DEMO – Brampton 2040 Vision

Internal Engagement

- Open Houses
- Training
- Projects / Collaboration

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Internal Engagement

Data

Dashboards

Analytics

Collaboration

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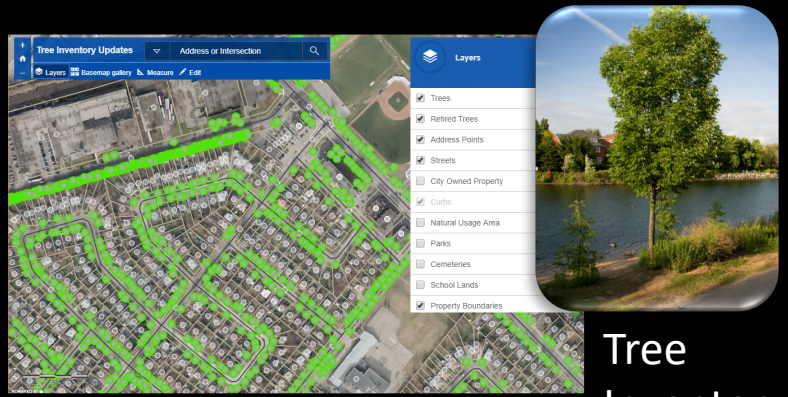
Internal Engagement

Emergency Management

Roadworks



Tree Inventory

Open Data Maturity & Next Steps

- Track our Progress, Successes and Continuously Improve
- Develop Open Data roadmap aligned with IT Strategy and overall corporate priorities
- Partnerships and Public Engagement
  - Top down approach to departmental awareness and willingness to Open data
- Open More High Value Datasets
- School of Open Data
  - Why Open Data? How to Open Data? How to Use Open Data?

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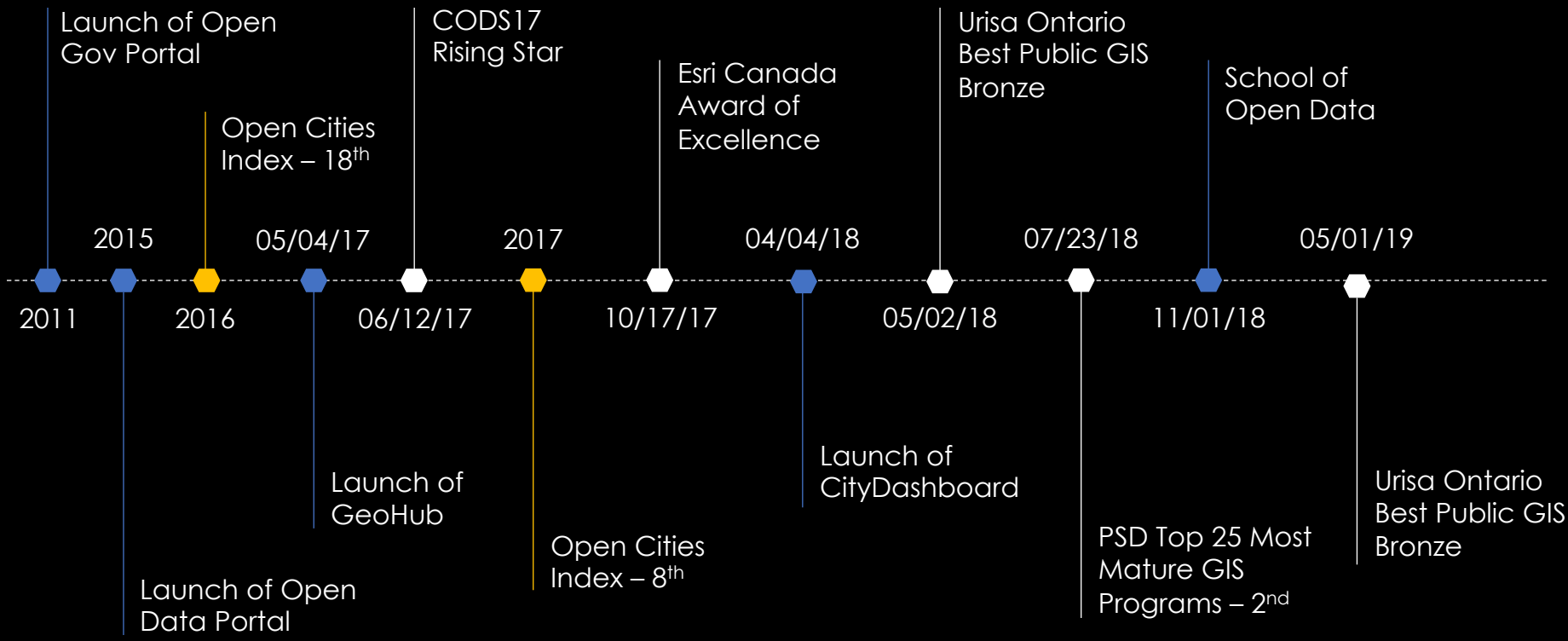

Open Data Timeline

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Questions?

Contact us:

open@brampton.ca