

20 March 2019

Good Planning in the Age of the Smart City

What Data Do We Need?

Digitised and datafied

- ① 2.5 quintillion bytes of data created world-wide daily.
- ① + 90% of data since dawn of civilization was created in last 2 yrs.
- ① Billions of IoT connected 'smart' devices by 2020. The pace is accelerating.

Why Data Matters

- ① As cities grow, they become more complex. More difficult to understand and manage, absent good data.
- ① Smart Cities need & use data, esp. cloud-based Big Data for evidence-based decision-making.

Why Should you care?

- ⦿ Data informs decision-making that affects you/your neighbourhood/yr city.
- ⦿ Knowledge = Influence/Power.
- ⦿ Imbalance between Govt/ Private Sector and individuals/CAs is growing.
- ⦿ The solution- A strong data governance framework. More about that later.

New Official Plan: What data do we need?

- ⦿ Access to data that measures what matters the most.
- ⦿ City has told us what it thinks matters the most: It's goal:

To make Ottawa the most livable mid-sized city of neighbourhoods in North America.

OP goal: Questions

- ⦿ Is this the right goal:
- ⦿ Yes, but it's not a big stretch.
 - * Higher than average annual household income.
 - * Among the best-educated in North America.
 - * Best public transit systems for city of our size.
 - * Stable employment base(Govt, high tech, tourism.
 - * High broadband connectivity.
 - * Affordable housing for most.
 - * Best winters.

Do we need to be more ambitious?

What are the right measures of liveability? City list:

- A Healthy City of healthy 'hoods.
- Climate Adaptability & Resilience
- Knowledge-based, Connected Economy
- Energy Sustainability
- Better Ottawa/Gatineau connectivity
- Housing Affordability
- Align Infrastructure & land use policy
- Natural Ottawa. Rural Ottawa

Alternative Metrics?

LIVE

- ⦿ Health
- ⦿ Digital Access
- ⦿ Transit
- ⦿ Civic Engagement
- ⦿ Safety
- ⦿ Environment
- ⦿ Diversity
- ⦿ Housing Affordability

Official Plan Metrics

WORK

- Employment
- Education
- Entrepreneurship

Official Plan Metrics

- ◎ PLAY
- ◎ Arts & Culture
- ◎ Sports
- ◎ Public Spaces
- ◎ Food & Night Life

How will we get there?

- ⦿ Set measurable targets for each category of liveability.
- ⦿ Make them Term of Council Priorities.
- ⦿ Track progress quarterly. Publish results
- ⦿ Engage public & private sector, esp kids.
- ⦿ Challenge other cities to do the same

How will we know we are there?

- ① Measure what matters. Have key targets been met?
- ② What is not measured, does not matter.

What is a Neighbourhood?

- ONS: A geographic sense of place.
- ONS Large enough to report reliable statistics.
- Largely self defining by those who live there.
- Not necessarily have firm boundaries or homogeneous.
- Mapping hard.

Data Governance Framework

- ◎ Free access & equal to all.
 - Unclassified by default.
 - Up-to-date, timely, accurate publication.
 - Privacy rights/Security.
 - Commercialisation protocols.
 - Easy to use & to understand.

How can you participate

- Engage your community members.
(Online feedback deadline: May 31, 2019)
- Get Involved: Join the FCA New-OP Work Group!