

The Canadian Smart City Inventory

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The Project

Part of a larger project on smart city design in Canada

The study of smart cities in Canada is frustrated by an inconsistent understanding how adoption strategies and implantation planning across the country

Inventory is designed to better understand **what** smart city technology is being used, **why** it is being used and **how** it is being deployed

Focus: technologies, plans, staffing, resources, capacity, data governance, privacy, provincial/territorial regulatory support, public engagement, private vendors/consultants

The Inventory

All Canadian cities over 100,000 in population (N=56)

Phase 1: Document Analysis

Phase 2: Interviews and Surveys

Today's Focus: Technology Procurement and Governance (privacy, data governance, community engagement, external engagement)

Smart City Planning

10/56 had resolutions of council prepared to start smart city design

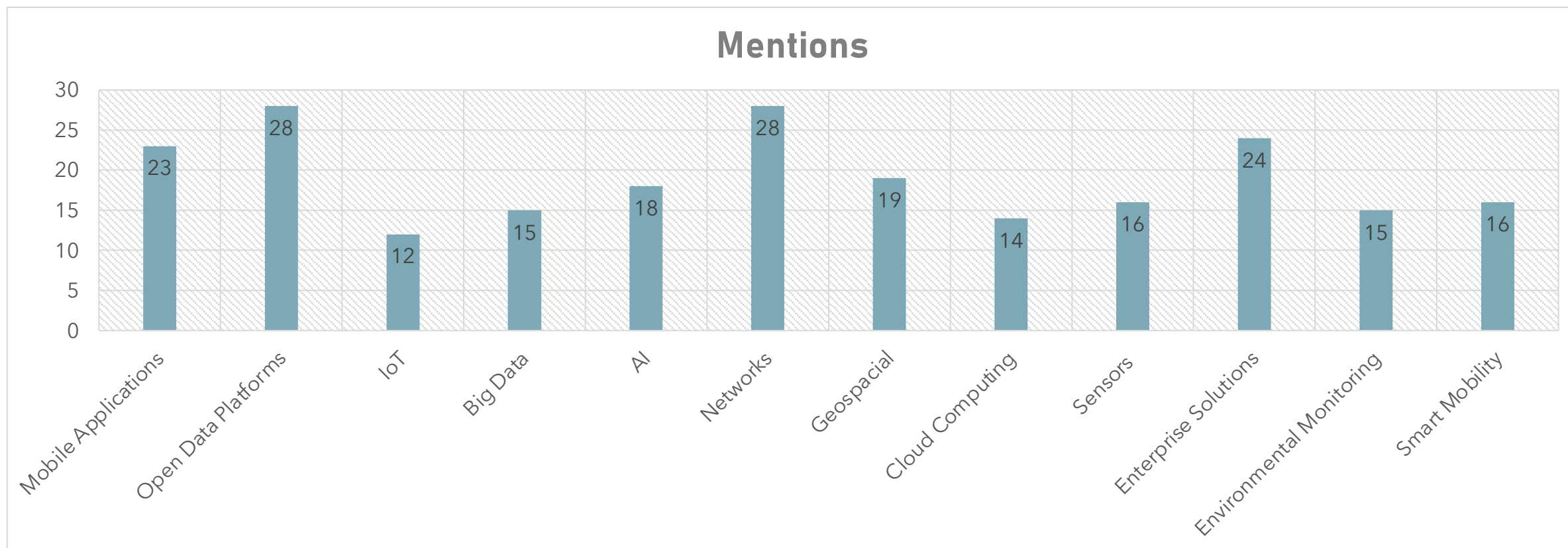
22/56 have formal published plans

Size and the amount of detail varies. Most thorough is Toronto's 108 page plan that includes infrastructure and data governance components.

Many are guiding principles and do not mention specific projects

Ambitions to integrate across organization

Technology Use



Privacy

11/56 privacy "mentions"

Few detailed plans, mostly discussions of the importance of privacy in smart city design

Mississauga: Privacy is *"prime consideration in ALL projects"*

Data Governance

12/56 data governance mentions

Few concrete details.

Links to privacy mentions. Focus on cyber security and cyber attack

Durham: Use of *“standardized Intelligent Communities policies and processes”*

Community Engagement

16/56 mentions

Varies, but ranges from none to over 30 sessions

Most are "in person": open meetings, pop-ups, consultations, industry and community group meetings

Some digital through municipal websites and surveys

External Actors

12/56 mentions

Mostly non-profit, research institutions (Canadian Urban Institute, Open North, etc)

Few mentions of private technology firms or vendors, but this may be deliberate

Discussion and Conclusion

Work in progress that will be bolstered by primary interviews

Some initial findings....

- Far too little emphasis on data governance or privacy
- Little mention of private consultants or technology vendors