Data Strategy for Federal Public Servants (DSFPS)

Anil Arora
Chief Statistician of Canada
Statistics Canada
Paris, June 27, 2019

Delivering insight through data, for a better Canada
DATA STRATEGY FRAMEWORK FOR THE FEDERAL PUBLIC SERVICE

A whole-of-government approach to creating, protecting, using, managing and sharing data as a strategic asset, enabling informed decisions that lead to better outcomes and services for Canadians.

GUIDING PRINCIPLES

- Client-centered
- Purposeful
- Trusted
- Agile
- Open

DESIRED OUTCOMES FOR CITIZENS, BUSINESSES AND GOVERNMENTS

- Improved services
  - Greater public value from data
  - Greater usability and availability of data
  - Protection of individuals’ information and privacy by design
- Trusted and sound governance of data, which are treated as a valuable and strategic asset
- Increased evidence-informed decision-making
- Better reporting on results
- Increased intra and inter-governmental collaboration

PROPOSED PILLARS

1. People and culture
   - The government has the talent and capacity it needs to manage, interpret, use and understand data. Includes, for example:
     - Culture
     - Skills
     - Recruitment and retention
     - Development and training

2. Environment and digital infrastructure
   - Processes and infrastructure are aligned to turn good data and analysis into action. Includes, for example:
     - Enabling infrastructure and tools
     - Security, confidentiality and integrity
     - Privacy
     - Legislation and supporting policies

3. Data as an asset
   - The government has the data it needs, which are fit for use, discoverable, and available. Includes, for example:
     - Planning and stewardship
     - Use
     - Quality
     - Storage
     - Sharing and access

FOUNDATION

Governance

Governance exists at the right levels to ensure that data are managed holistically as a strategic asset. Includes accountability, roles and responsibilities.

Communication

Transparency to Canadians on the government’s management and use of data, as well as effective intra and inter-governmental communication.
Many of our modernization efforts are aligned to and/or enabling various aspects of the Data Strategy (DSFPS)

“The Government of Canada currently lacks an overall data strategy to effectively manage and use data as a strategic asset to improve our work, services, and the lives of Canadians.”
Mr. Michael Wernick

StatCan Supporting:
- Stewardship, quality and standards
- Organizational data strategies
- Inventory & registries
- Expanding on the success of horizontal review
- Data literacy, tools and skills
- Virtual Data Lab & Data Analytics as a Service
- Data scientist recruitment
Where are we going with the DSFPS?

Current State
- Canadians do not always have access to the data they need
- Departments/agencies do not always know the data holdings of others that may be relevant to their work
- Departments/agencies do not consistently collaborate or share data
- There is no strategic oversight to the use of data
- Data are not being effectively leveraged for evidence-informed decision-making
- Programs and services for Canadians are not consistently improved through the use of timely data and analytics
- Employees do not have the skills they need to use data effectively

THROUGH
- Robust data governance, leadership, and stewardship
- Increased availability and interoperability of data
- Increased data analytics capacity and broader data literacy
- Integration of data and analysis into decision-making processes
- A culture of innovation and experimentation
- Robust IT infrastructure
- Capacity building in data literacy and use

New State
- Improved services
- Greater public value from data
- Greater usability and availability of data
- Protection of individuals' information and privacy by design
- Trusted and sound governance of data, which are treated as a valuable strategic asset
- Increased evidence-informed decision-making
- Better reporting on results
- Increased intra and inter-governmental collaboration

What will success look like?

FROM

TO

Where are we going with the DSFPS?
Thank you and I welcome your questions during the discussion.