

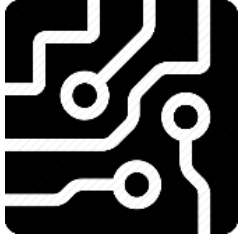
A doctor in a white lab coat is shown from the chest up, holding a glowing, futuristic digital interface in their right hand. The interface consists of a circular, translucent blue sphere with a grid of white dots and lines, resembling a molecular structure or a data visualization. The background is a blurred hospital setting with medical equipment and other people in the distance.

Artificial Intelligence in the Government of Canada

Why the Government of Canada is interested in using AI



Leveraging AI means...



- Transforming data into understanding and intelligence



- Service transformation and optimization



- Employee augmentation

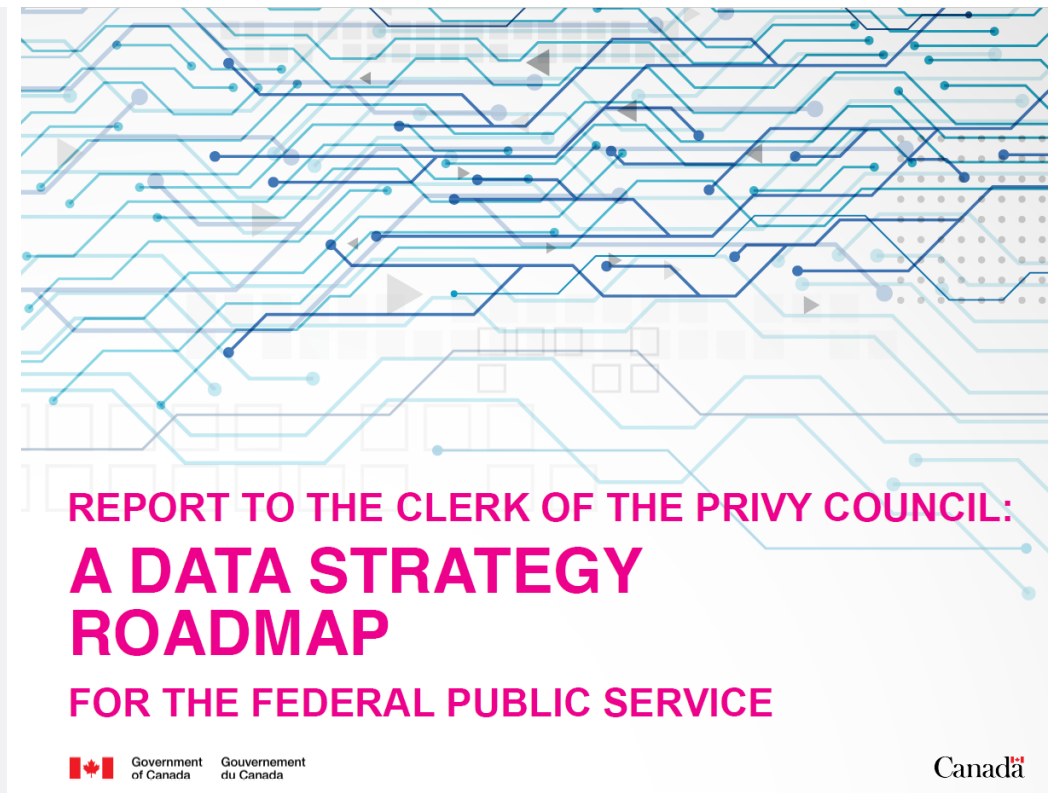
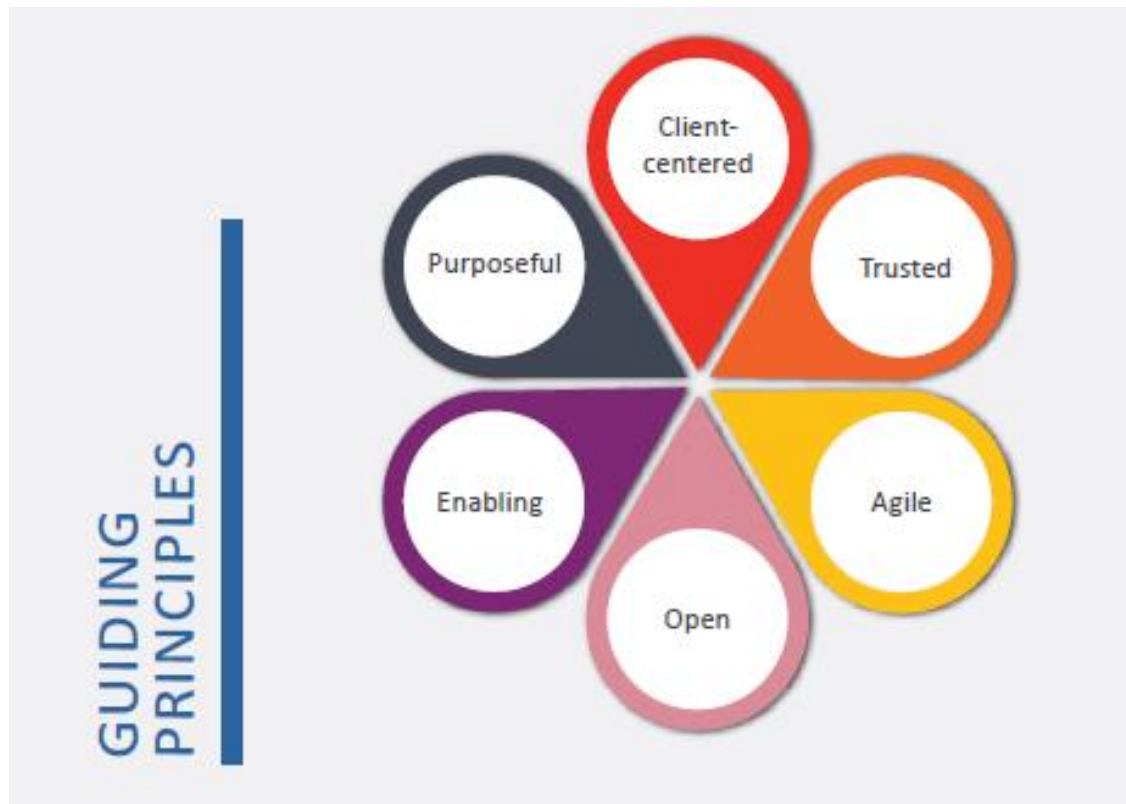
Path to get there...

... alignment with international drivers



Path to get there...

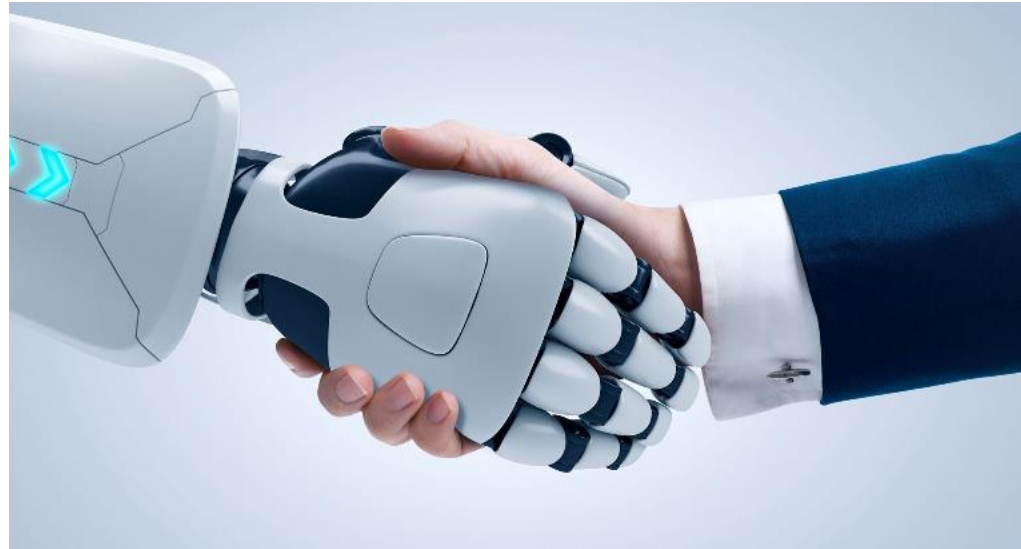
... build a data strategy aligned with the needs of AI and analytics



Path to get there...

... define how AI should be government in public service delivery

- Policy direction
- Tools and guidance
- Procurement



Policy direction

The screenshot shows the Government of Canada website with the following elements:

- Header:** Government of Canada / Gouvernement du Canada, Search Canada.ca, and a language toggle for Français.
- Navigation:** Jobs, Immigration, Travel, Business, Benefits, Health, Taxes, and More services.
- Breadcrumbs:** Home → How government works → Policies, directives, standards and guidelines.
- Section Header:** Directive on Automated Decision-Making.
- Text:** The Government of Canada is increasingly looking to utilize artificial intelligence to make, or assist in making, administrative decisions to improve service delivery. The Government is committed to doing so in a manner that is compatible with core administrative law principles such as transparency, accountability, legality, and procedural fairness. Understanding that this technology is changing rapidly, this Directive will continue to evolve to ensure that it remains relevant.
- Date modified:** 2019-02-05.
- Buttons:** Expand all, Collapse all, Print-friendly, and XML.
- More information:** A section titled 'More information' with a topic list including 'Service and digital'.
- 1. Purpose:** A section titled '1. Purpose' with two numbered items:
 - 1.1 This Directive takes effect on April 1, 2019, with compliance required by no later than April 1, 2020.
 - 1.2 This Directive applies to any Automated Decision System developed or

Tools and guidance

Government of Canada Digital Playbook (draft)

Overview (draft)

Provides practical and detailed guidance to assist the Government of Canada in digital transformation and augmented service delivery, including becoming more agile, open and user-focused. Includes task-specific views and interactive features to make it easier to find relevant guidance and to apply it to day-to-day work.

The Digital Playbook is also an opportunity to experiment with new approaches while reusing as much as possible and contributing back reusable components for others to use (see [Experimental approaches and reusable components](#)).

Digital Playbook views

Digital Playbook views are generated from the [Digital Playbook dataset](#) and can make the Digital Playbook more relevant and easier to use for certain tasks by providing only the information that is relevant to the task and ordering it in a way that makes sense for the user.

Filter

Showing 24 filtered from 24 total entries

Agile views

- ☒ Is Agile Right for My Project? (draft)

Artificial Intelligence (AI) views

- ☒ Algorithmic Impact Assessment (Archived)
- ☐ How should I implement an Automated Decision System? (draft)

Cloud views

- ☐ Right Cloud Decision Tool (draft)

Open Government views

- ☐ How do I decide whether to release content on the Open Government Portal? (draft)

Security views

- ☐ Security Categorization Tool (draft)

Digital Architectural Standards views

- ☒ How should I ensure my project meets GC EARB requirements? (draft)

Digital Standards views

1. Design with users
2. Iterate and improve frequently
3. Work in the open by default
4. Use open standards and solutions
5. Address security and privacy risks
6. Build in accessibility from the start
7. Empower staff to deliver better services
8. Be good data stewards
9. Design ethical services
10. Collaborate widely

Algorithmic Impact Assessment

[Home](#) > [Open Government](#)

[Link to GitHub project repository](#)

Algorithmic Impact Assessment v0.7

Page 1 of 5

Project Details

Name of Respondent
The name of the respondent is the name of the person that answers the questions.

Job Title

Department

Branch

Project Title

Project ID from IT Plan

Departmental Program (from Department Results Framework)

“Design ethical services - Make sure that everyone receives fair treatment. Comply with ethical guidelines in the design and use of systems which automate decision making (such as the use of artificial intelligence).”

Procurement

Buyandsell.gc.ca

Public Works and Government Services Canada

Canada

Search

For Businesses

For Government

Goods and Services

Applications

Procurement Data

[Home](#) > [Procurement Data](#) > [Tenders](#) > [Search](#) > [AI-IA Artificial Intelligence Source List \(EN578-180001/B\)](#) [AI-IA Artificial Intelligence Source List \(EN578-180001/B\)](#)

AI-IA Artificial Intelligence Source List (EN578-180001/B)

Tender Notice

Status

Publishing status

Active

Days to closing

3 months 4 weeks hence

Dates

Publication date

2019/01/15

Amendment date

2019/01/28

Date closing

2020/01/15 14:00 Eastern Standard Time (EST)

Find Out Who Is Interested In This Tender

Are you looking for partnering opportunities or thinking about bidding? Find out who is interested in the tender and add your name to the List of Interested Suppliers.

Important: The LIS for a specific tender notice does not replace or affect the tendering procedures in place for the procurement. Businesses are still required to respond to bid solicitations and to compete based on established bid criteria. For more information please read the [List of Interested Suppliers Terms of Use](#).

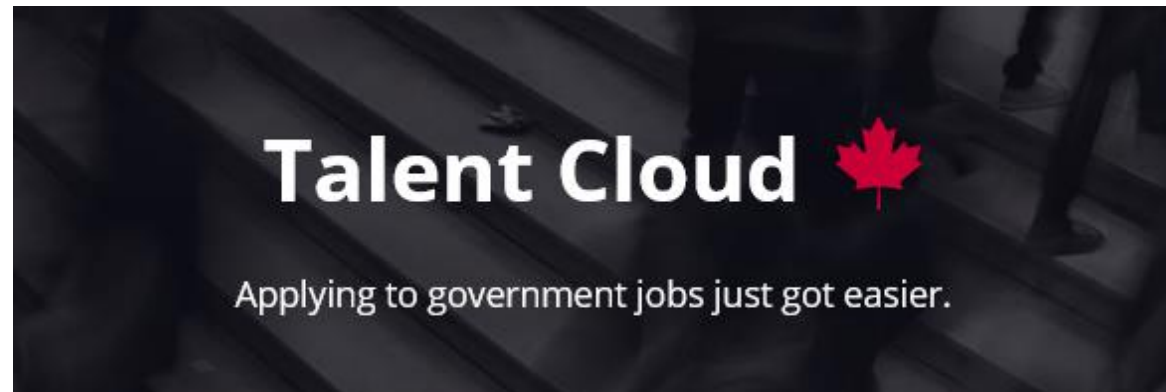
Access the List of Interested Suppliers for this tender

[AI-IA Artificial Intelligence Source List \(EN578-180001/B\) - List of Interested Suppliers](#)



Path to get there...

... grow analytics capabilities and talent



Key AI stakeholders in the Government of Canada

Treasury Board Secretariat — Provides central leadership to GC on digital government, TB policy suite and oversight, Project review, Lead on open government/data, Employer of the Public Service

ISED — Coordinates external AI stakeholders, including the AI Advisory Council, Pan-Canadian AI Strategy, Supercluster Initiative, and Government's of France and Canada Working Group

Canada School of Public Service — Offers training and enables experimentation

Justice Canada — Reviews and provides legal opinions related to the intersection of AI and the law

Statistics Canada — Performs enterprise data management, governance, and analysis

Public Services and Procurement Canada — Provides vehicles and support tools to enable the efficient, effective, and consistent procurement of AI across the government.

Employment and Social Development Canada — Leads social policy lead

Canada Digital Services — Supports business transformation through direct departmental support

Shared Services Canada — Provides large scale/centralized IT support

NRC — Supports departments and external stakeholders through education and funding opportunities

Examples of AI applications: Public Health



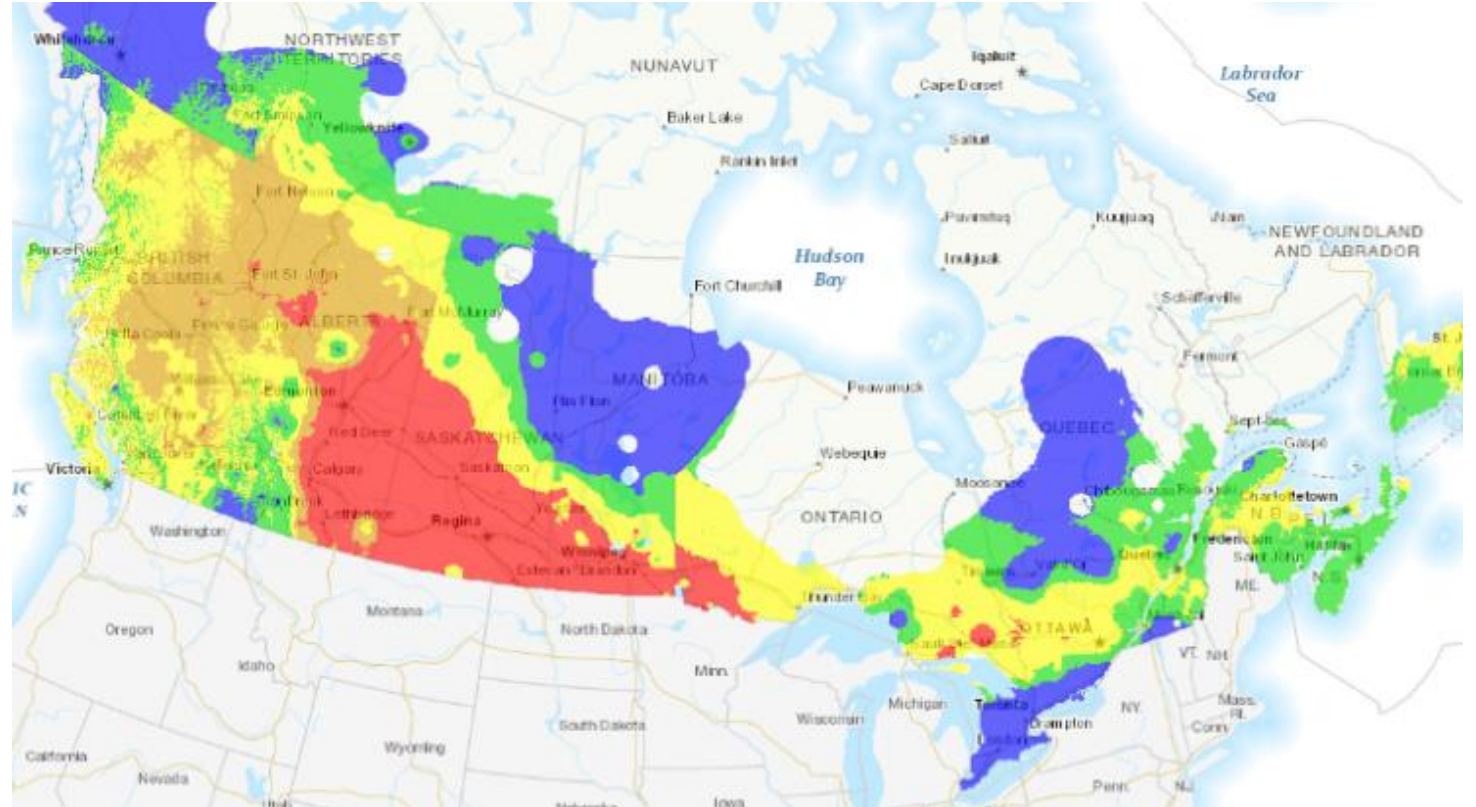
The Global Public Health Intelligence Network is an early warning analytic tool created in collaboration with the World Health Organization to detect potential public health threats worldwide



Examples of AI applications: Natural Resources



NRCan is using AI for early emergency warning and real-time extreme forest fire, earthquake and weather prediction to help with emergency preparedness.



Examples of AI applications: Transport



Transport Canada worked with an Ottawa-based tech company to create an AI solution to develop risk assessment and mitigation processes for air cargo shipments, improving risk-based oversight.



A doctor in a white lab coat with a stethoscope around their neck is holding a glowing, translucent blue sphere in their open palm. The sphere is composed of a grid of lines and contains binary code (0s and 1s) and the word "Questions?" in a bold, black, sans-serif font. The background is a blurred hospital setting with medical equipment and other people in the distance.

Questions?