

# AI Ecosystem in the Government of Canada



**Policy on Service and Digital:** Framework for integrated management of digital

**Directive on Automated Decision Making:** Transparent, fair, accountable

**Guide on the use of generative AI:** Balance innovation and risk

**AI Strategy for the Federal Public Service:** For consistent AI adoption

**Artificial Intelligence & Data Act:** Regulation of high-risk AI systems by Industry

**Pan-Canadian AI Strategy:** Drive adoption across the economy and society

**Advisory Council on AI:** Guide AI growth, leverage expertise, reflect Canadian values

**Budget 2024:** \$2.4 billion to boost AI capacity and accelerate responsible adoption

New **Canadian AI Safety Institute** to advance safe AI development and risk mitigation through collaboration

Some examples of departments with AI strategies

Department of National Defence

Agriculture and Agri-Food Canada

Health Canada

Shared Services Canada



Use **MUST ALWAYS** comply with existing federal laws and policies, including those in the areas of privacy, security, intellectual property, and human rights

## Other regulatory Institutions



### Transport Canada

Guidelines for Testing Automated Driving Systems outline safety practices and clarify government roles in approving trials of automated driving systems



### Santé Canada

Guidance for Machine Learning-Enabled Medical Devices helps manufacturers ensure safe, clear, and regulated updates to AI-driven medical devices.



### Canadian Heritage

[Advancing cultural data governance and AI policies](#) for the cultural sector, focusing on transparency and protecting content creators' rights.



### Standards Council of Canada

Accreditation scheme to help organizations demonstrate responsible AI management, ensure ethical practices and accountability in AI technologies.

## Science and Research

### Natural Resources Canada

Digital Accelerator leveraging AI to support sustainable development and competitiveness in the resource sector.

### Canadian Food Inspection Agency

AI Lab leveraging machine learning and computer vision to automate seed classification and improve crop quality.

### Defence Research and Development

Research centres are leveraging AI to enhance research and operational capabilities across various domains.

## Training / Advisory services / Technical support

### Canada School Of Public Service

Digital Academy offers training and events that explore AI foundational concepts and future trends

### National Research Council (NRC)

AI Accelerator offers expertise and research facilities to facilitate AI integration into departmental projects

### Treasury Board Secretariat of Canada (TBS)

Office of Chief Information Officer sets rules and offers guidance for responsible use in the public service

### Shared Services Canada (SSC)

GC AI Hub offers advice and oversight related to AI, robotic process, and intelligent automation.

## AI Use Cases

### IT Infrastructure

SSC delivers IT and hosting infrastructure, including High Performance Computing



**Immigration, Refugees and Citizenship Canada**  
Triage applications, make positive eligibility determination



**Public Health Agency of Canada**  
Disease prediction and detection



**Royal Canadian Mounted Police**  
Human trafficking and child exploitation investigations



**Employment and Social Development Canada**  
Streamline Employment Insurance applications



**Agriculture and Agri-Food Canada**  
AgPal Tool for search and navigation



**Fisheries and Oceans Canada**  
Detect marine mammals using aerial, drone and satellite imagery



**National Research Council**  
Indigenous language stabilization