Government of Canada Initiatives to Foster Information Sharing and Safeguarding Capabilities

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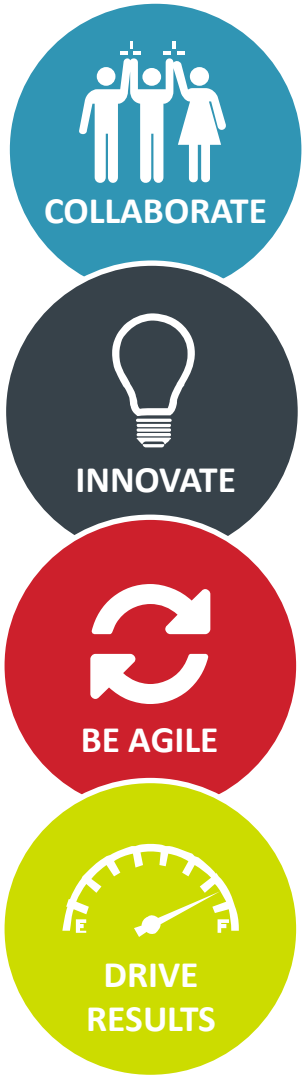
Embracing the digital and open age means…



- Citizen-centred, community driven
- Online, being where the people are
- Actively engaged

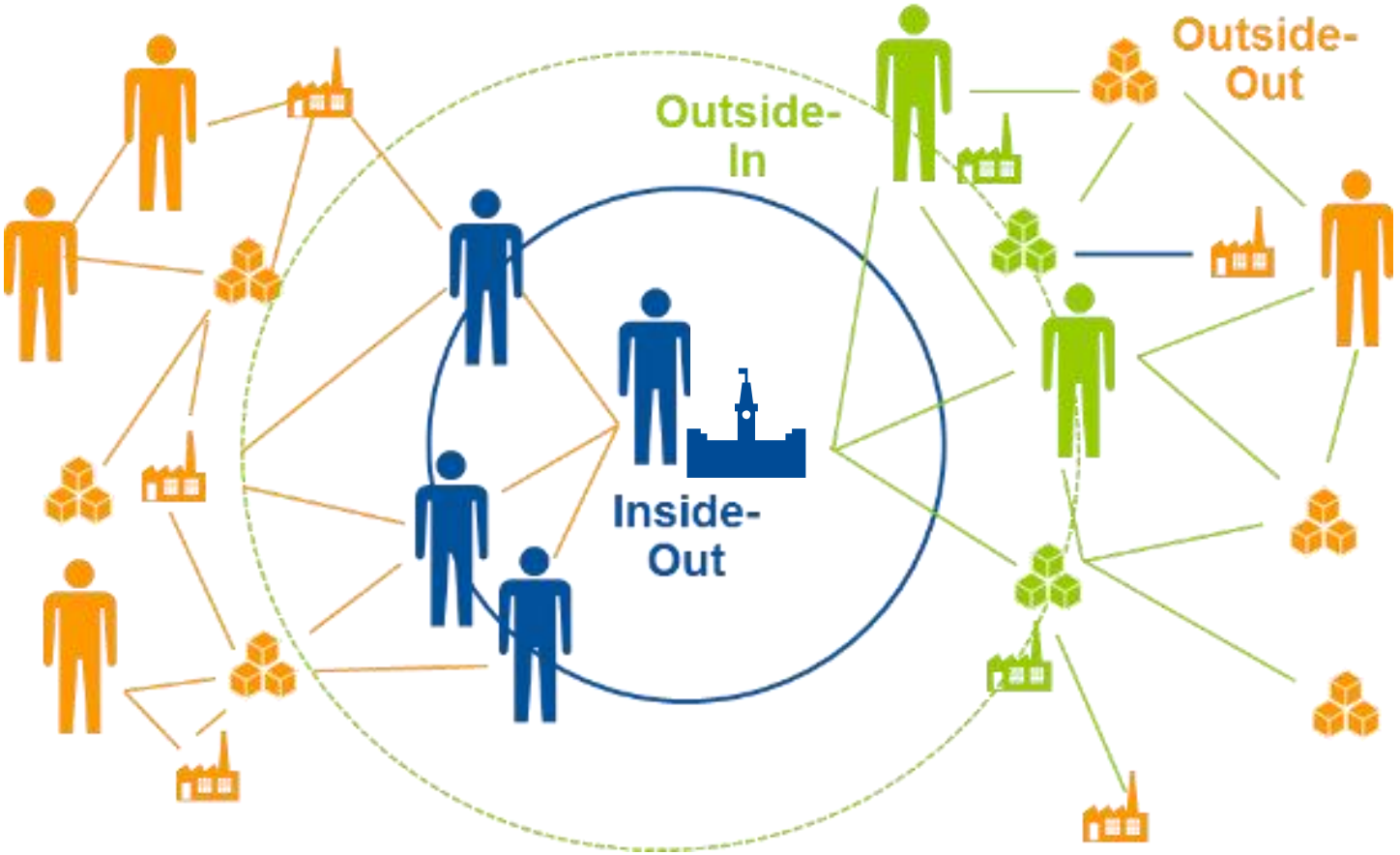
- Collecting and connecting data and information
- Leveraging the network of networks
- Harvesting the wisdom of the crowd

- Building solutions in an agile, iterative, and collaborative way
- Leveraging cross-functional and inter-departmental teams
- Just in time open information

- Better services and information to Canadians
- Showcasing how being open helps collaboration
- Reporting openly on progress and performance every step of the way

A new ecosystem, a new normal

"Focus on understanding the trends that could affect the business and its ecosystem, then working inward to determine and guide changes to people, processes, information and technology to drive these outcomes." – *Gartner*



Source: Future of EA 2025: Evolving From Enterprise to Ecosystem

The big picture for services

Manages user's:
- History
- Business processes…

CRM

GC platform

Access services directly

Access through third party apps

API enabled services

You get an account (level 1 authentication)

You are who you say you are (level 2)

Apply for EI

Renew my passport

Appeal a decision

File taxes

Request business no.

Notify me of recalls

Save job bank results

Reserve a camp site

Info on eligibility

Policies

Benefits finder

Renew licence

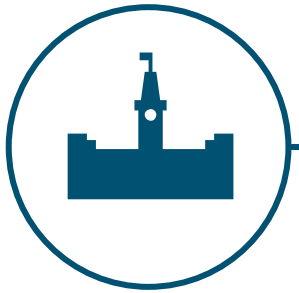
Legislation info

Open data

Dashboard

Tax calculator

Laying the groundwork



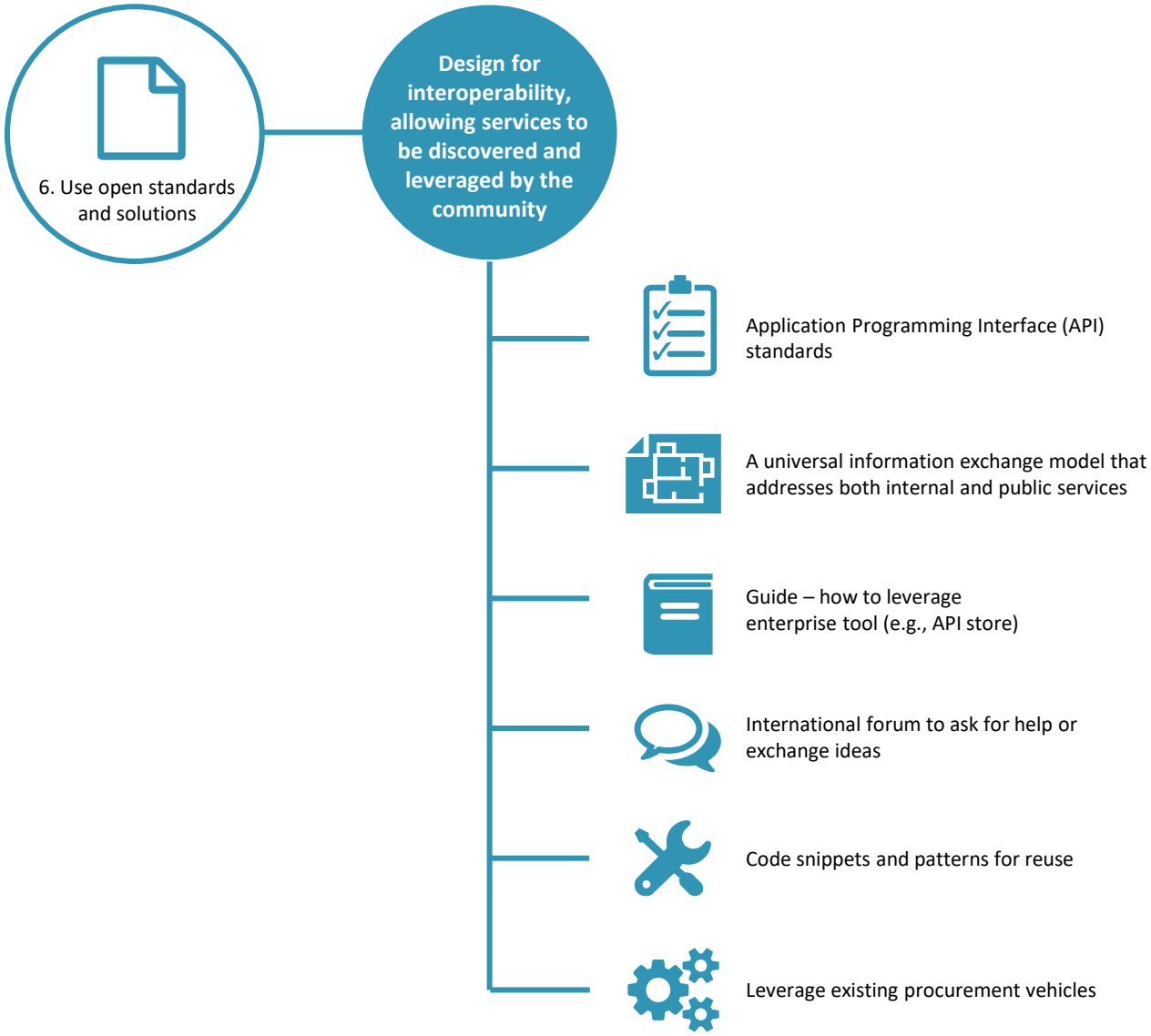
The Treasury Board Secretariat (TBS) is developing the foundation to help departments make the shift to digital:

- GC digital principles
- Single digital policy
- GC-wide Enterprise Architecture Review Board (EARB)
- *Privacy Act* renewal and legislative barriers
- White papers (e.g., cloud-first strategy)
- Challenge-based procurements for IT solutions
- Open data portal (open.canada.ca)
- Open by default pilot

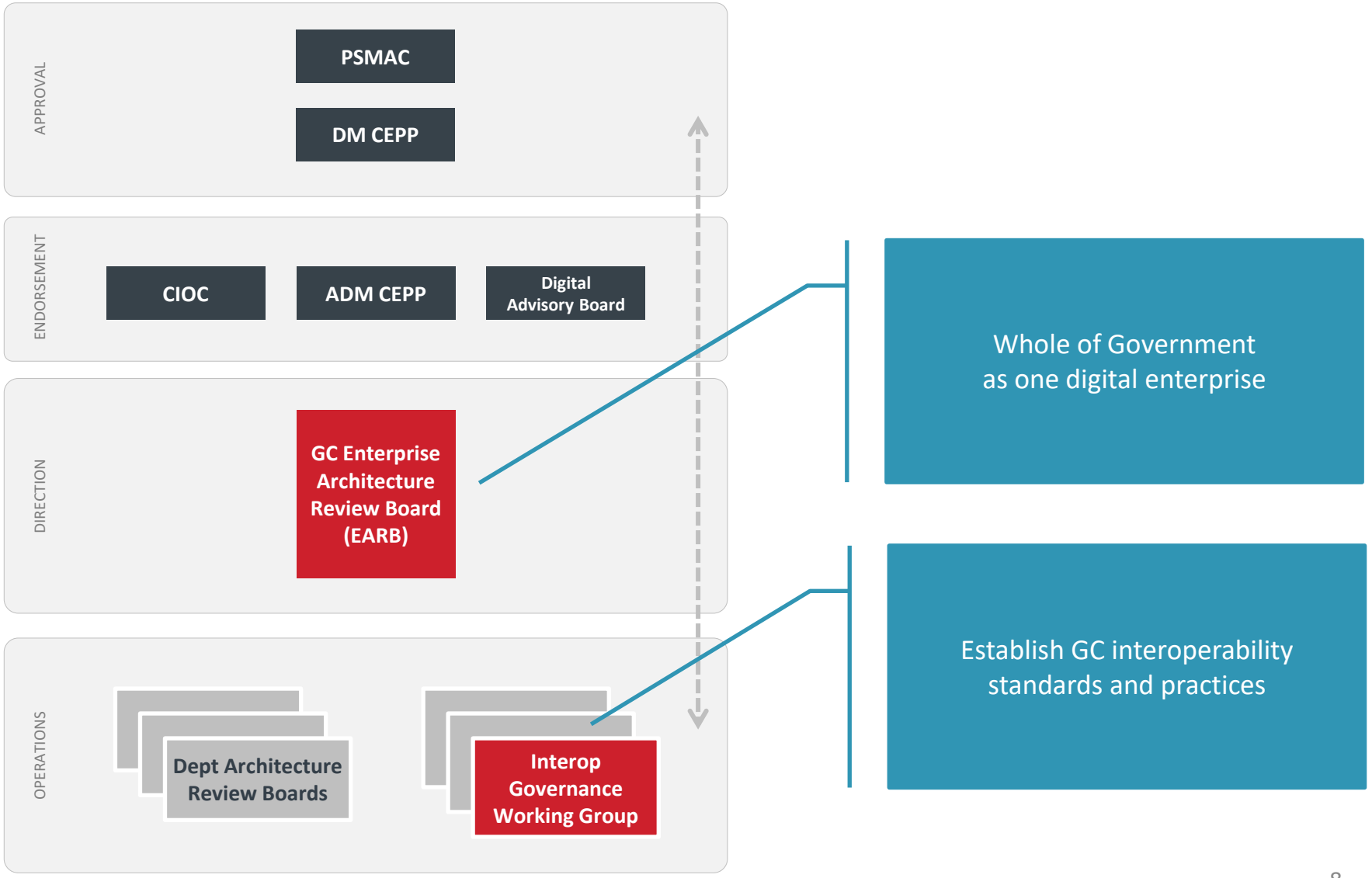
Draft GC digital principles

1. **Design with users**
2. **Be inclusive from the start**
3. **Collaborate widely**
4. **Build internal capacity**
5. **Be open by default**
6. **Use open standards**
7. **Iterate & improve frequently**
8. **Design ethical services**
9. **Address security & privacy risks**
10. **Be good data stewards**

Digital principles playbook - example



Governance framework



Plan for data and information governance

Phased approach to help support departments as our digital world becomes more reliant on high-quality data

Align existing policies, standards, and best practices to assessment tools for the Enterprise Architecture Review Board

Based on analysis of current state, produce modern policies, standards, and guidance tools to support departments efforts to become better data stewards and users

Ability for GC departments to share, analyze, compare and make improved decisions from data

Data residency

What is it?	The requirement for electronic data to be stored within the geographic boundaries of Canada. Data residency lowers the risk of Canada losing access to its data.
What does it mean?	"All Protected B, Protected C and classified GC electronic data must have continuous positive control in a GC-approved computing facility located within the geographic boundaries of Canada or within the premises of a GC department located abroad, such as a diplomatic or consular mission."
What's next?	The Policy on the Management of IM/IT is expected to be updated to include the residency requirement (Spring 2018) Expect procurement processes for public cloud services to include the residency requirement

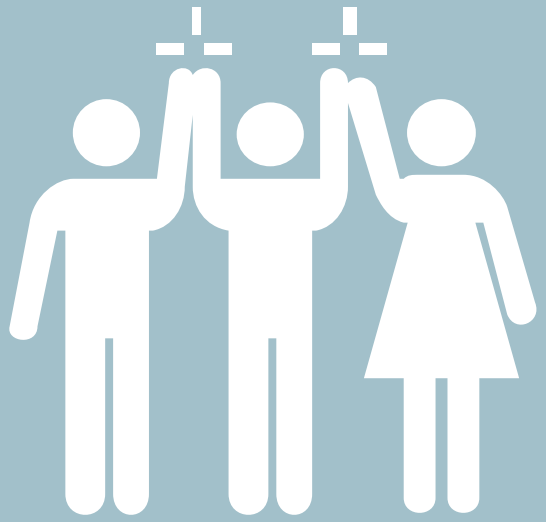
Legislative aspects act as barriers to sharing information

- Current legislation makes it difficult to share information across programs
- *Privacy Act* renewal and tackling legislative barriers will help transform services

Difficult to **provide seamless integrated services** given privacy and legislative restrictions

Difficult to harness **new technological advances** across the government due to siloed requirements for privacy management

There is no easy way for individuals and businesses to **authenticate their identity once** given restrictions on sharing of information



- We are embarking on defining standards for the GC to help departments work with F/T/P/M and internationally
- We will be looking at leveraging existing standards
- Let’s do this together