



Treasury Board of Canada
Secretariat

Secrétariat du Conseil du Trésor
du Canada

Government of Canada Enterprise Architecture - A Collaborative Practice -

The Open Group Conference – Toronto, Ontario
23rd Enterprise Architecture Practitioners Conference

July 20, 2009

Richard Bryson
Chief Architect – GC EA Community of Practice
Chief Information Officer Branch
Treasury Board Secretariat

Alain Perry
Senior Project Coordinator
IT Policy and Standards
Chief Information Officer Branch
Treasury Board Secretariat

July 2009

Canada 

What is Enterprise Architecture?

“enabling government to work faster and more collaboratively”

Enterprise Architecture is:

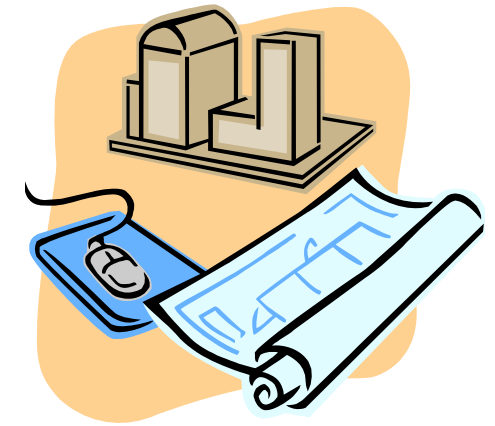
- a **design discipline** that delivers a holistic view of the business processes, information, systems and technology that is aligned and optimized according to an enterprise’s strategies, programs and priorities.
- the **collection of models, designs and descriptions** representing the structure and design of the enterprise’s processes, information, systems and infrastructure.
- “The fundamental organization of a system (e.g. enterprise, program, solution), embodied in its components, their relationships to each other and the environment, and the principles (incl. policies, standards, guidelines, reference models) governing its design and evolution.” (ISO/IEC 42010: 2007 - Recommended Practice for Architectural Description...)



Enterprise Architecture Practices

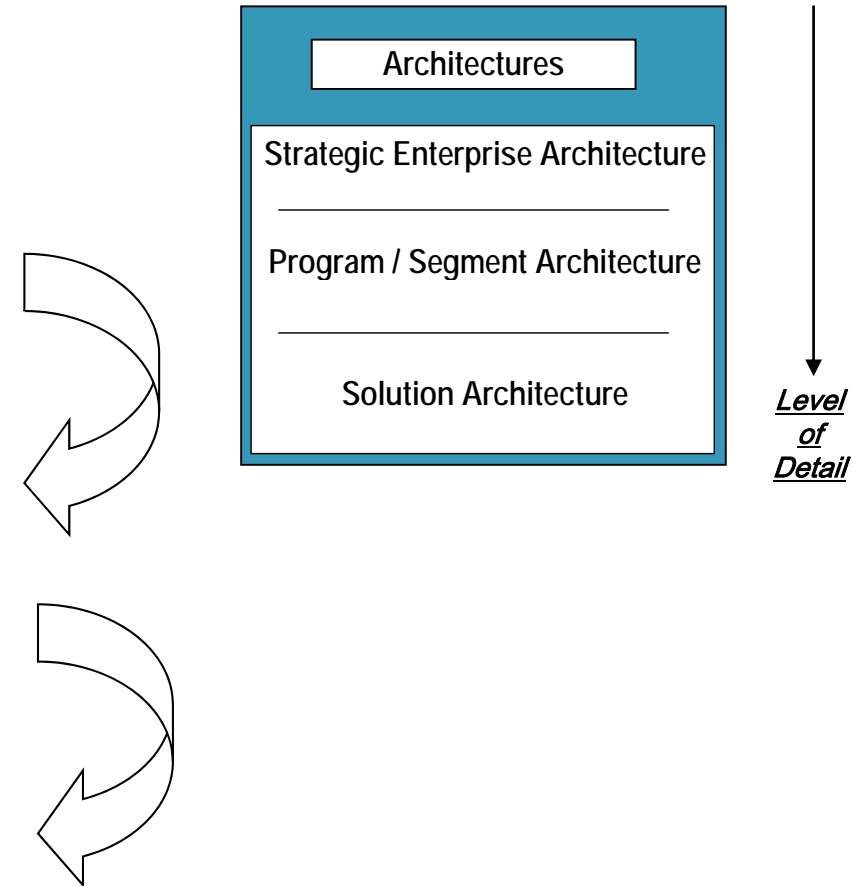
A common practical GC EA toolkit featuring....

- **The GC EA Community of Practice has agreed to support the use the TOGAF 9 to enable the following:**
 - **A common vocabulary and taxonomy for creating and using architecture work products for multiple viewpoints:**
 - *by concern:*
 - strategic / enterprise level architecture
 - program / segment level architecture
 - solution level architecture
 - *by domain:*
 - business,
 - information,
 - application,
 - technology, as well as,
 - security, accessibility, privacy ...
 - **Re-usable GC-wide reference models, policy instruments and standards applied to inform / align architecture work products.**
- **For the GC EA CoP, TOGAF 9 is a complementary tool for using with:**
 - Department of National Defence (DND) AF as adopted by GC DND;
 - Other EA framework models – e.g. Zachman, Gartner;
 - Other extensions, as required.

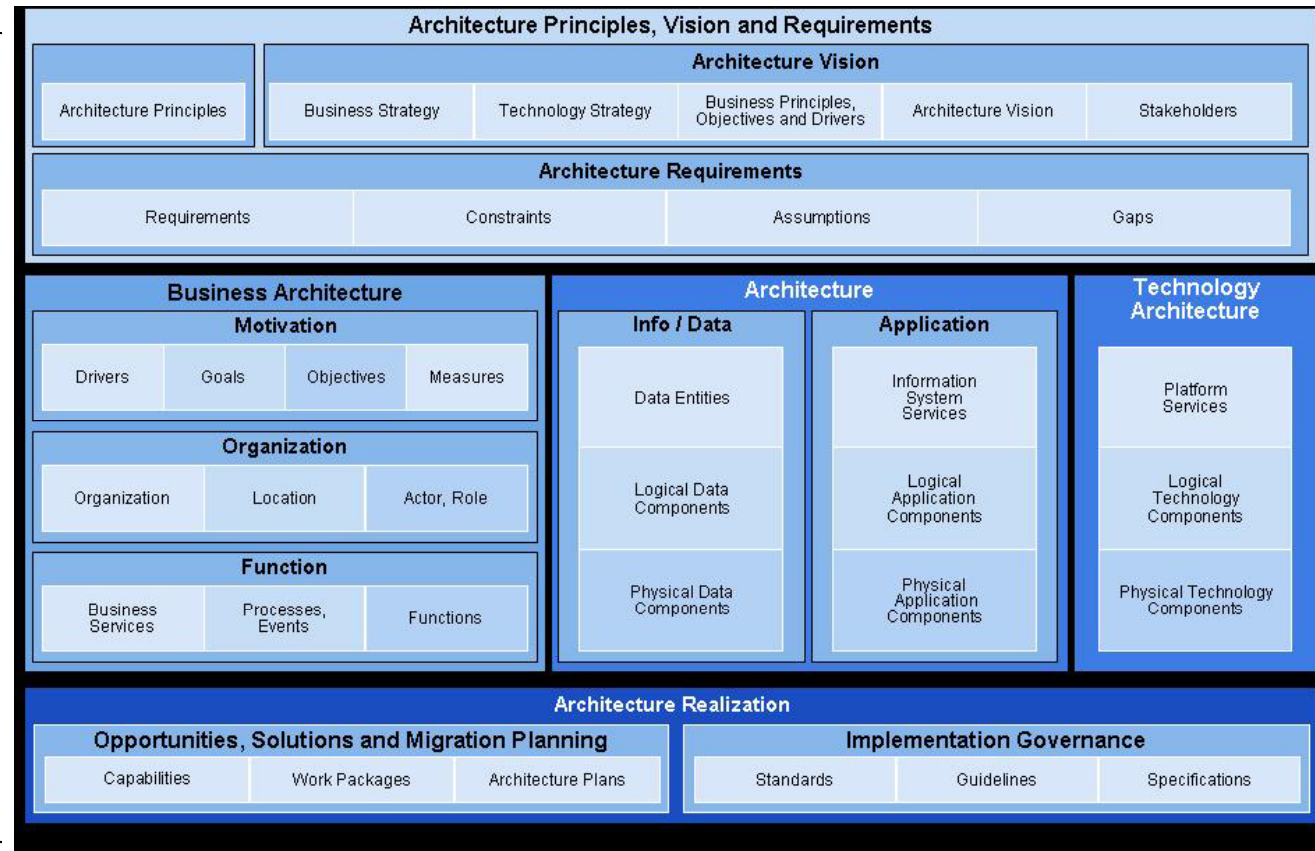
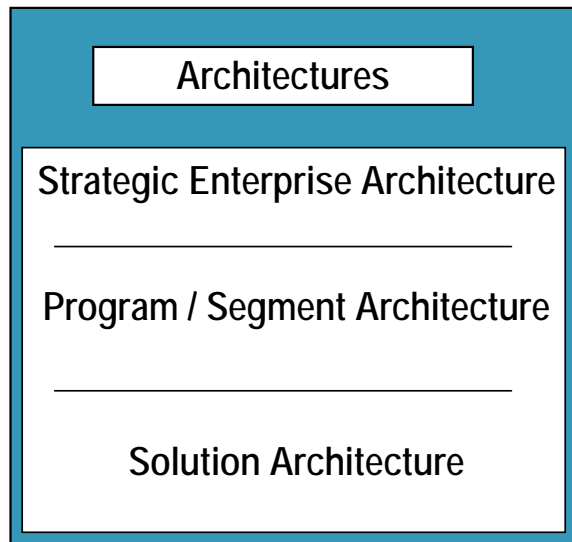


GC EA Practices - work products

- **Strategic / enterprise, segment, and solution architectures** provide different perspectives by varying the level of detail.
 - **Strategic / Enterprise Architecture** - enterprise level view of architecture vision, principals, and requirements as a basis for longer-term direction, design and alignment. “City Scapes”
 - **Program / Segment Architecture** – program / portfolio view, informed by strategic enterprise architecture, providing context and opportunities for solution architectures. “District Designs”
 - **Solution Architecture** - a detailed design and specification, typically a single project, of a business solution, informed by program / segment architecture. “Detailed Building Design & Specs”



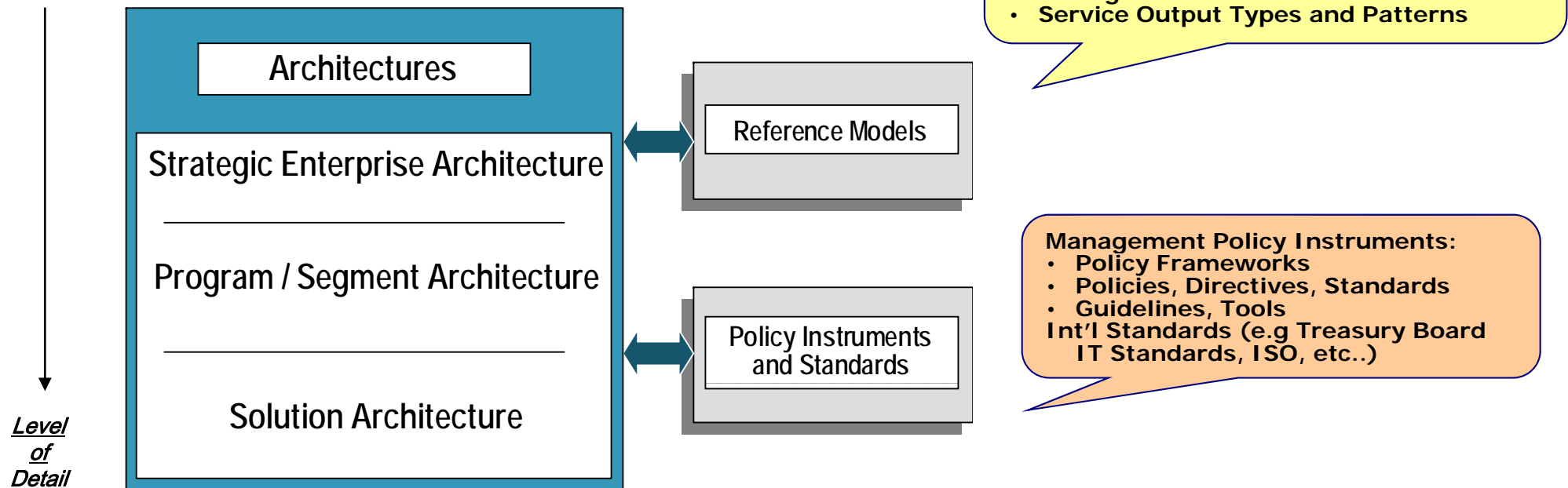
GC EA Practices – common content model



A common vocabulary and taxonomy for creating and using architecture work products

TOGAF 9 – Adapted

GC EA Practices - Reference Models, Standards



Re-usable GC-wide reference models, policy instruments / standards applied to inform / align architecture work products



Collaboration: *Architecture at Work*

- GC EA Community of Practice
- IM & IT
- Policy
- Service Delivery
- Inter-jurisdictional

GCPEPIA Pilot Project and PS Renewal



*“Today, almost every department and agency must deal with **global challenges**, using **new tools** and asking people to work in **new ways** – in **integrated teams**, often **across organizational boundaries.**”*

Sixteenth Annual Report on the Public Service of Canada
Clerk of the Privy Council, March 25, 2009

GC EA Community of Practice

Search Go Search

PAGE DISCUSSION EDIT HISTORY MOVE UIWATCH

GC Enterprise Architecture Community of Practice

(Redirected from [Gceacop](#))

 Protected

Welcome to the Government of Canada's Enterprise Architecture Community of Practice (GC EA CoP) whose role is to foster sharing and promoting of best practices (methods, guidelines, tools) for Enterprise Architecture aimed at applying consistent approaches for enterprise architecture and its value contribution within the Public Service.

[GC Enterprise Architecture Community of Practice - About the Community](#)

[GC Enterprise Architecture Guidelines/Tools](#)

[GC Enterprise Architecture Work Products](#)

[Architecture Documents for Discussion](#)

[Department Enterprise Architecture Best Practices](#)

[Department Enterprise Architecture Work Products](#)

The structure and links associated with this page and other pages referenced here are not to be changed.

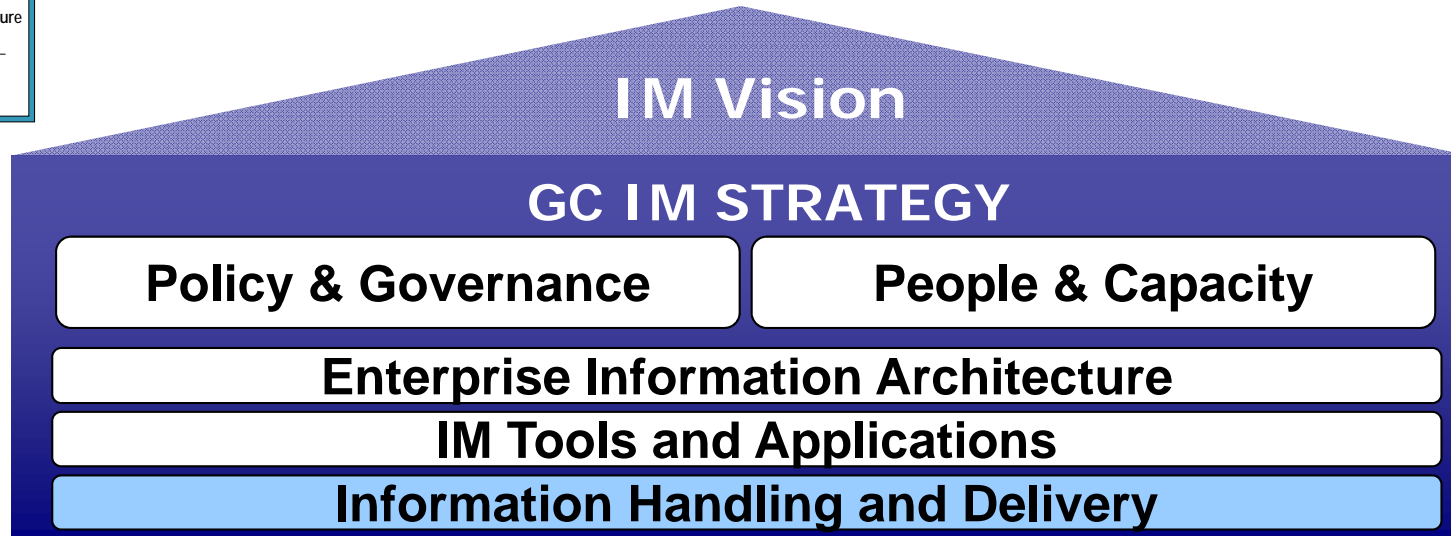
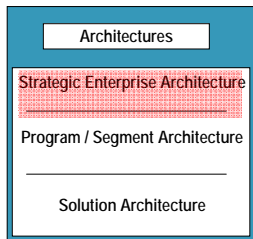
Shortcut: [gceacop](#)

Retrieved from "http://www.gcpeia.gc.ca/index.php/GC_Enterprise_Architecture_Community_of_Practice"



IM Policy: GC IM Framework and Strategy

Programs & Services | Trust in Government | Effective Decision-making



Federal Accountability Act

GC Enterprise Vision

Public demand for increased accountability and transparency in government decision-making

Expenditure management and financial reporting improvements

Full and clear *information* on programs and operations

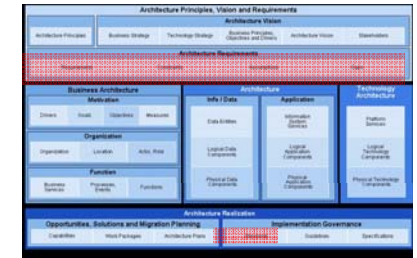
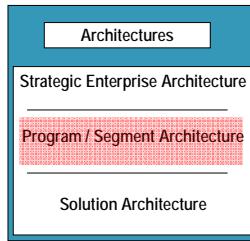
Interoperability and integration

Service transformation across organizational boundaries requires efficient and effective aggregation of information



Policy: Program Activity Architecture (PAA) (example)

Department



Fisheries and Oceans Canada

Strategic Outcomes (3)

Safe and Accessible Waterways

Sustainable Fisheries and Aquaculture

Healthy and Productive Aquatic Ecosystems

Program Activities (9)

Canadian Coast Guard

Small Craft Harbours

Science (Safe and Accessible Waterways)

Fisheries Management

Aquaculture

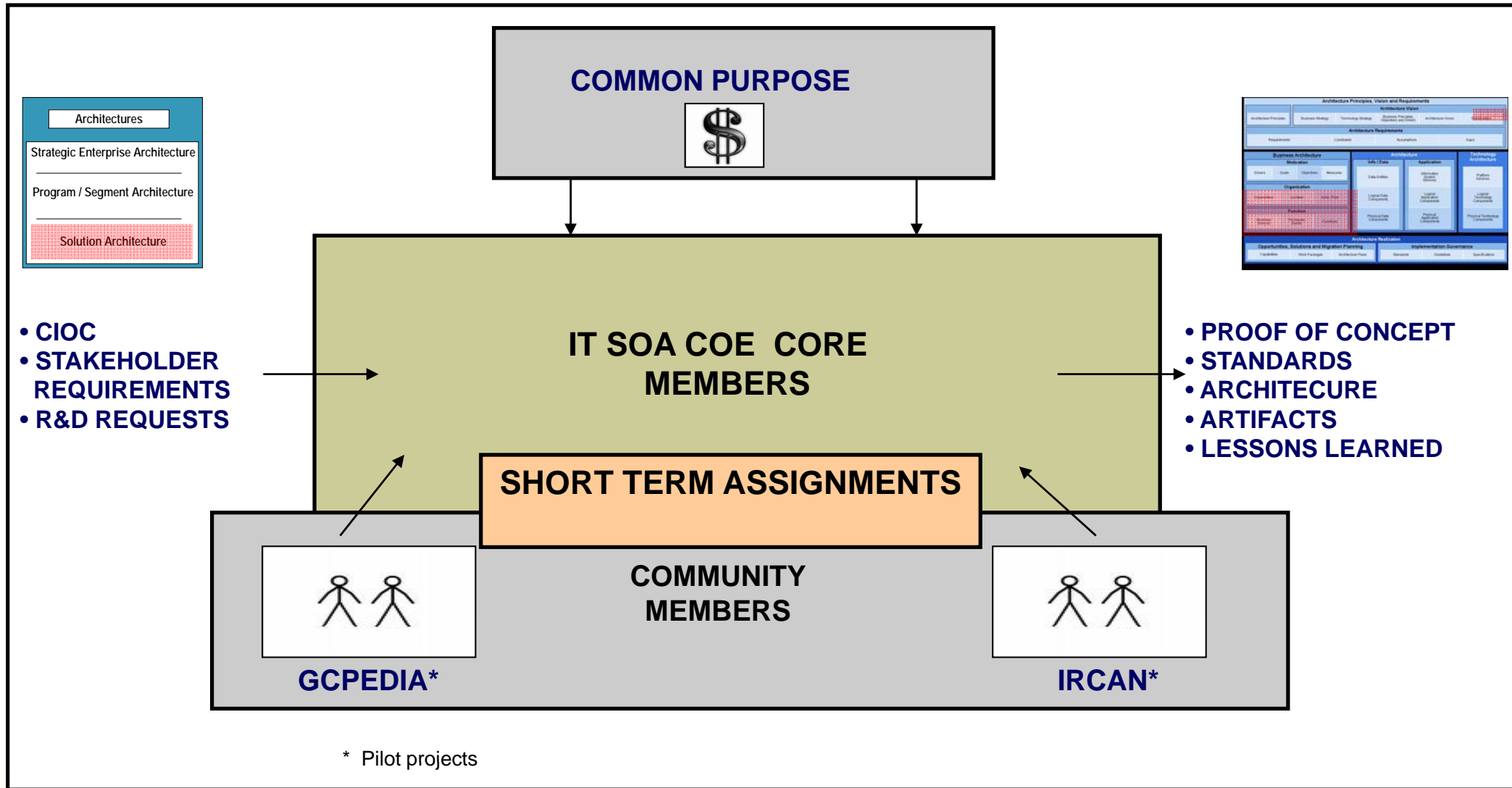
Science (Sustainable Fisheries and Aquaculture)

Oceans Management

Habitat Management

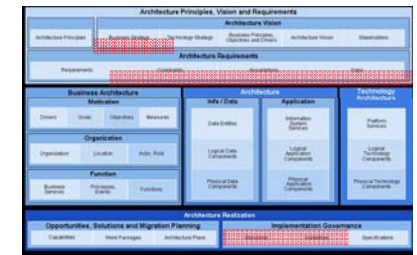
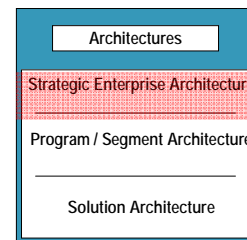
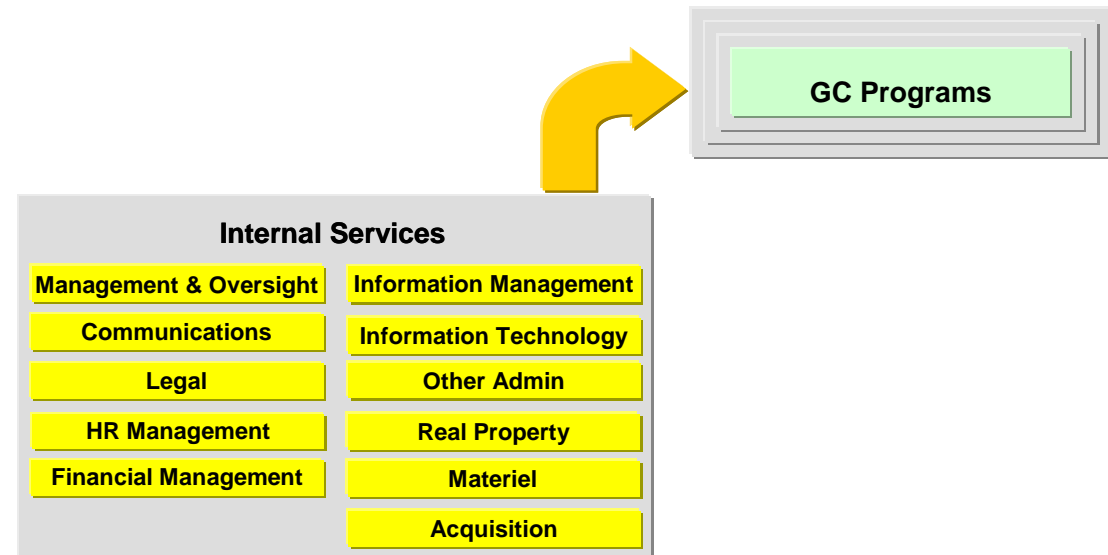
Science (Healthy and Productive Aquatic Ecosystems)

IT: Service Oriented Architecture (SOA) Centre of Excellence (COE): Community Context Model



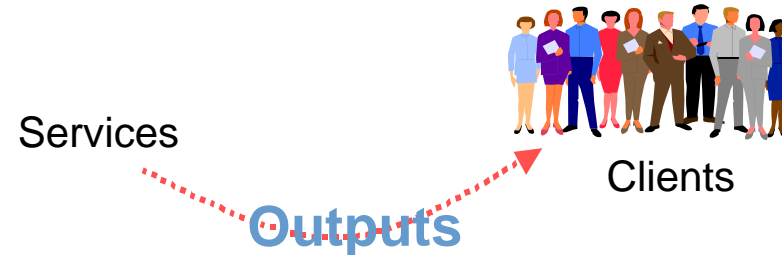
Program Policy and Service Delivery: *GC Internal Services* -

- The Profile of GC Internal Services outlines a common vocabulary and taxonomy of the GC's internal services and forms the basis for a common government-wide approach to planning, designing, budgeting, reporting and communicating all GC internal services.
- Internal services are an integral component of the GC's Program Activity Architecture (PAA) and a department's Management, Resources and Results Structure (MRRS).
- Internal services enable the efficient and effective delivery of GC programs. A program is a group of related resource inputs and activities that are managed to meet specific needs and to achieve intended results, and that are treated as a budgetary unit.



Service Delivery: Government Reference Model Example

(source: the Government of Canada Strategic Reference Model)



The 19 GSRM Service Output Types

Supply capacity to act

1. (Units of) Resource
2. Funds
3. New Knowledge

Enhance capability to act

4. Care & Rehabilitation Encounters
5. Educational & Training Encounters
6. Movements
7. Recreational & Cultural Encounters

Facilitate & influence action

8. Advisory Encounters
9. Advocacy and Promotional Encounters
10. Matches, Referrals & Linkages
11. Periods of Agreement

Regulation action

12. Findings
13. Interventions
14. Penalties & Periods of Sanction
15. Periods of Permission
16. Periods of Protection
17. Rulings & Judgments

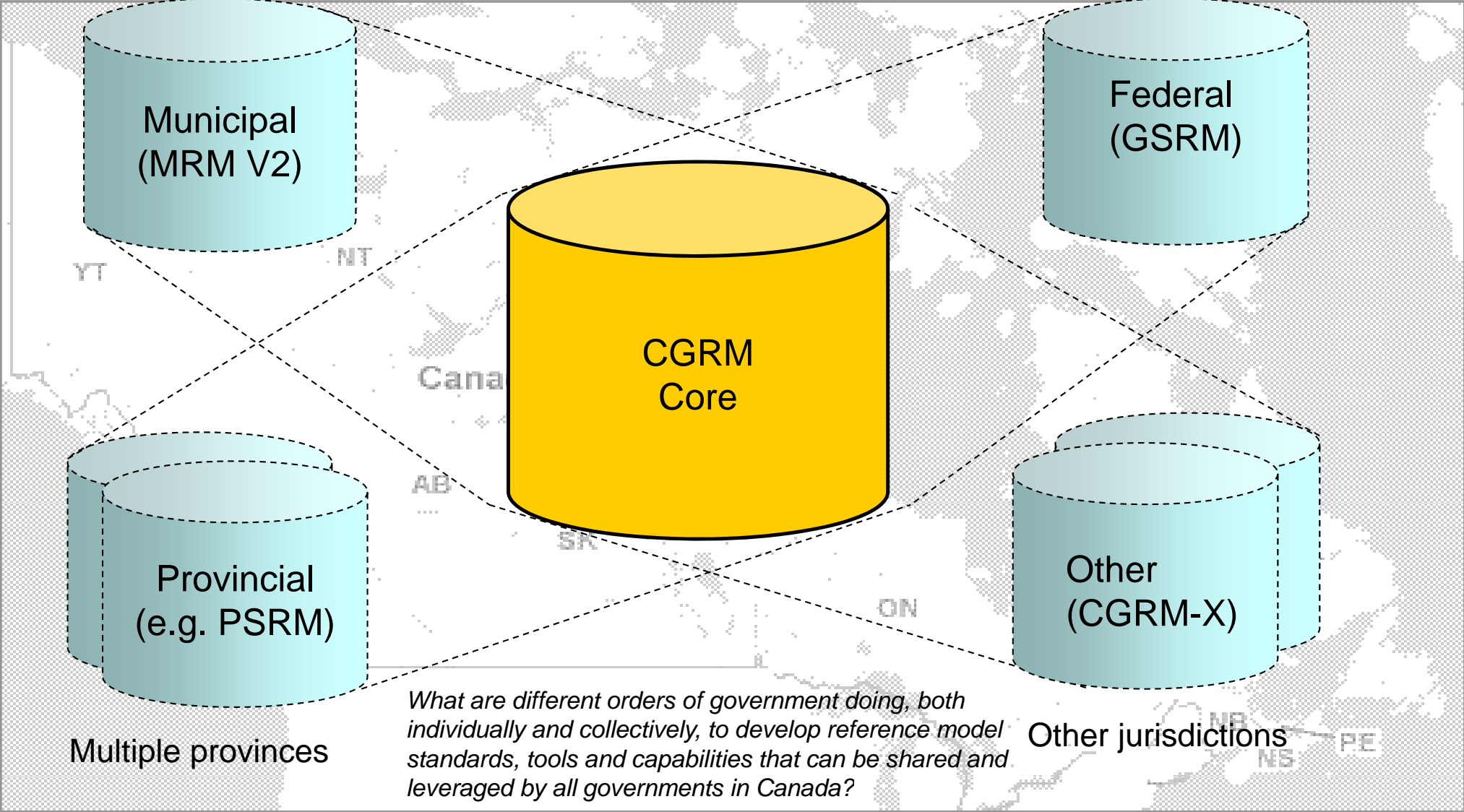
Core

18. Implemented changes
19. Rules (laws, regulations, policies, strategies, plans, designs, standards)

Government Reference Models Provide:
Standard Classification Schemes

...and much more!

Canadian Governments Reference Model



Contact Info

Alain Perry

Government of Canada
Treasury Board of Canada Secretariat
Chief Information Officer Branch
2745 Iris Street 6th Floor
Ottawa, Ontario, Canada K1A 0R5
Email: Alain.Perry@tbs-sct.gc.ca

