



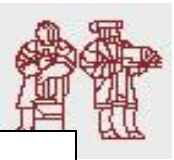
“Build to Share”

*U.S. Federal Enterprise
Architecture
Data Reference Model
(FEA DRM):
Managing Data As A
National Asset
July 2007*

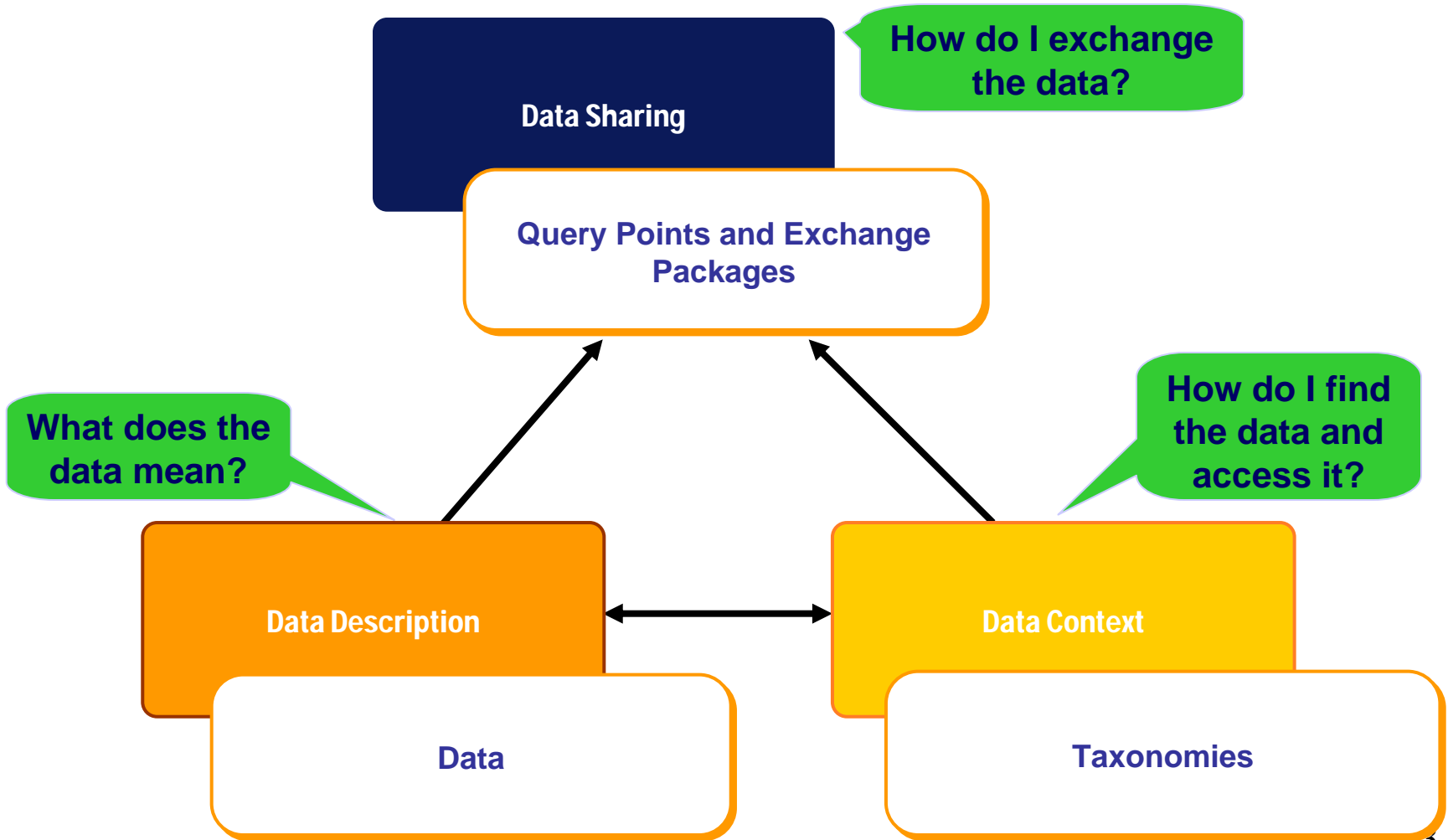


Agenda

- ◆ FEA DRM Overview
- ◆ Three Pillar Data Strategy Framework
- ◆ Federal Data Architecture Subcommittee

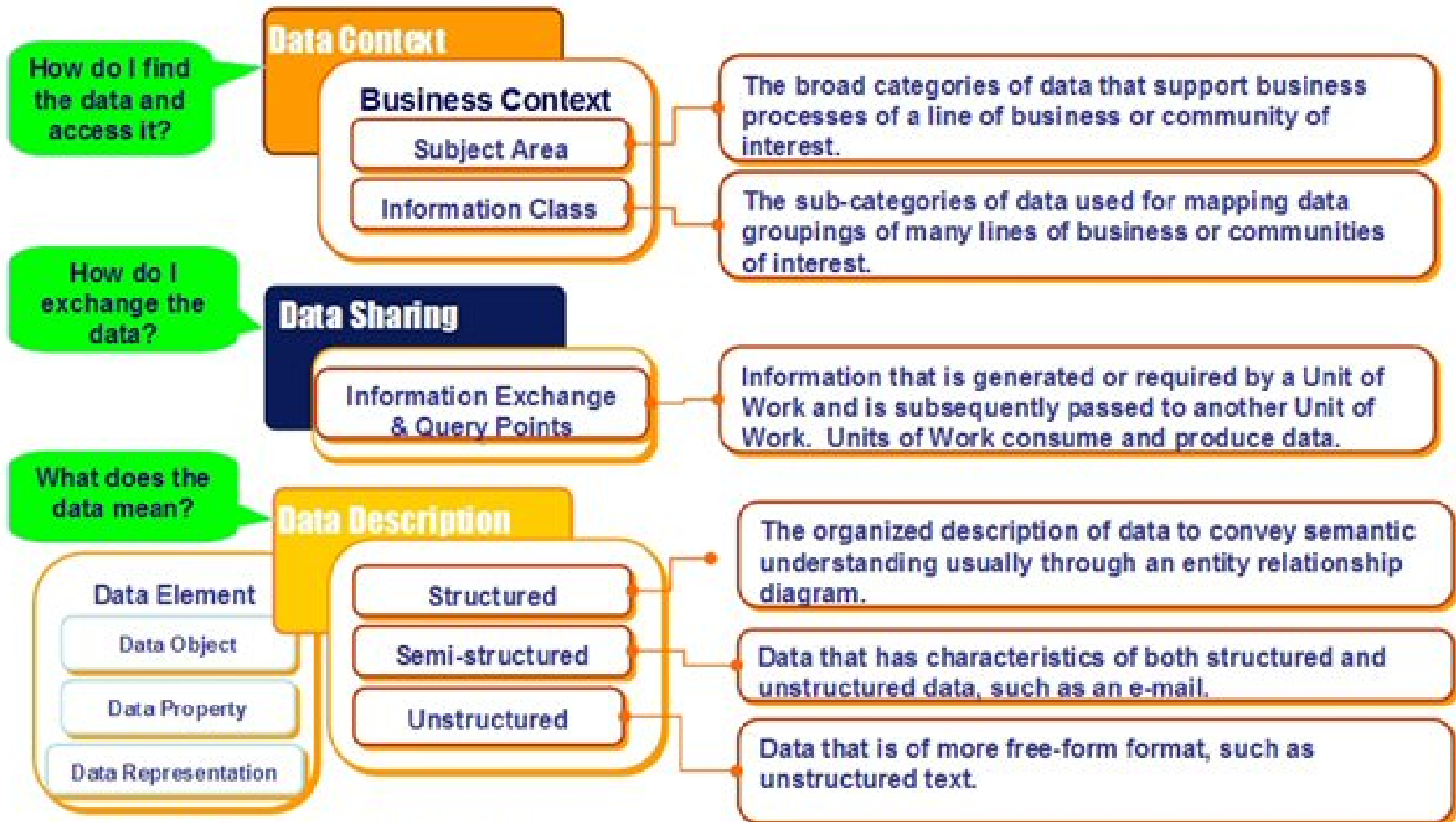


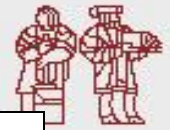
FEA DRM Concept





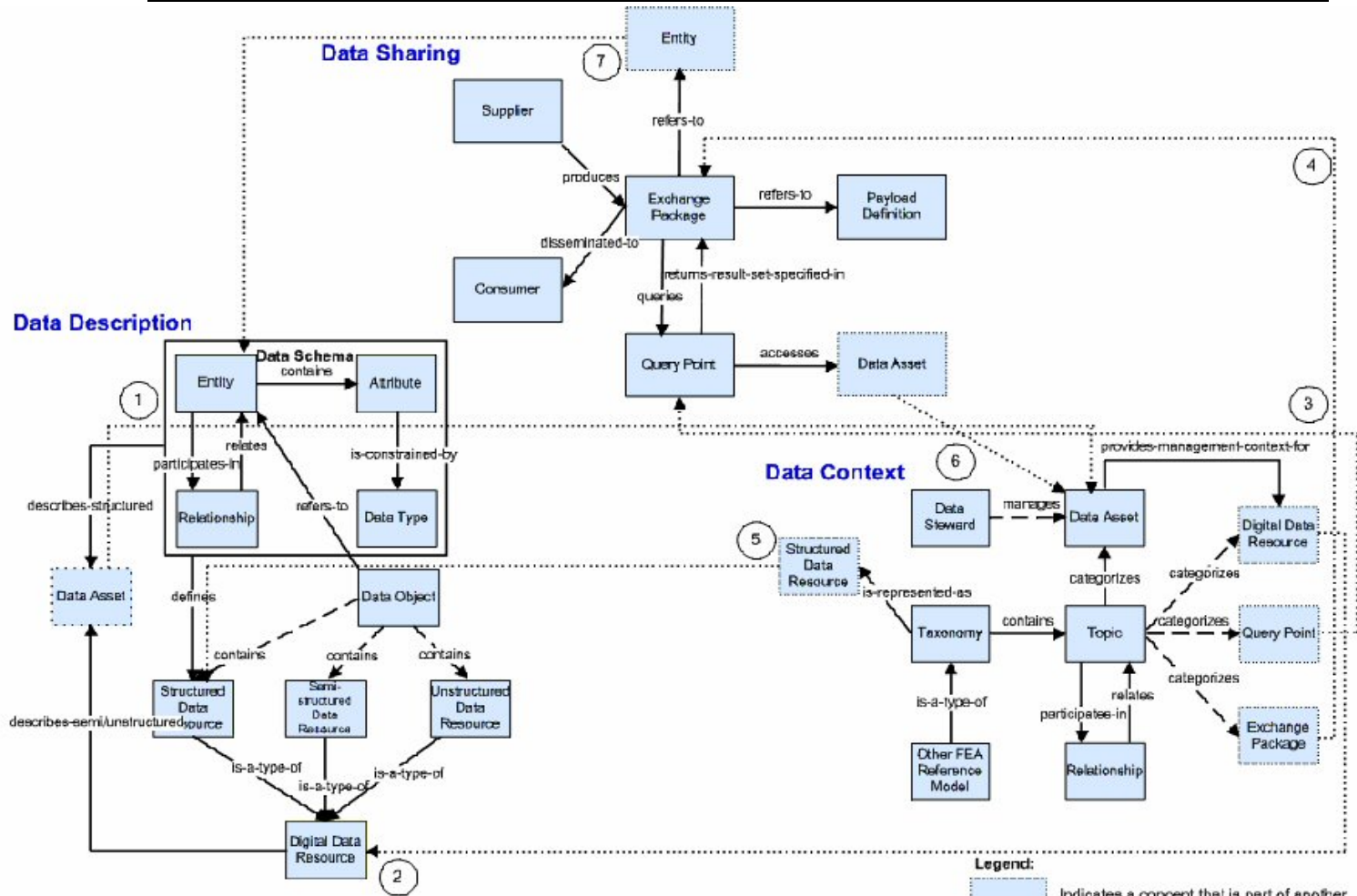
FEA DRM Structure





FEA DRM Abstract Model

(Guidance for Organizing Information About Agency Data)



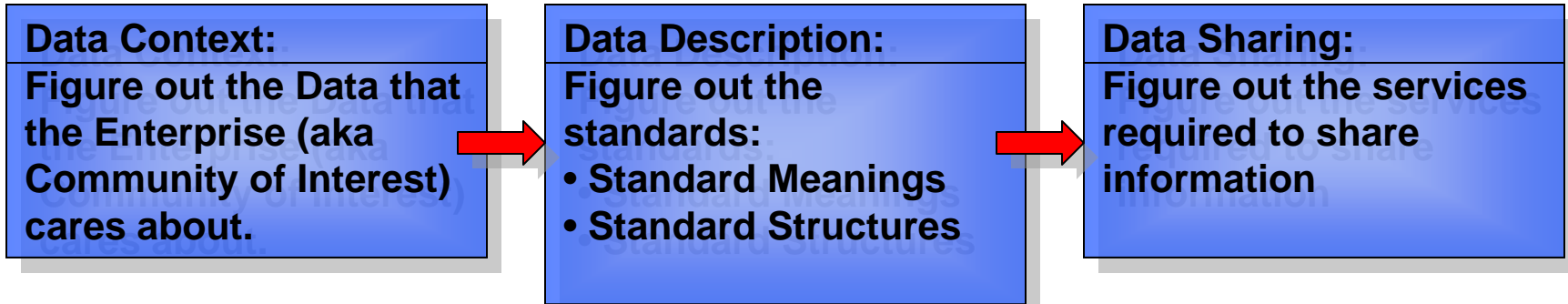
Legend:

- Indicates a concept that is part of another standardization area
-> A link between standardization areas
- - - -> Indicates an optional relationship



The DRM Approach

(Summary)

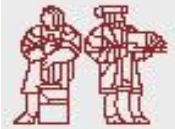


- ◆ The DRM provides basic guidance on what to capture in each of these areas and how to capture it. (i.e., the Abstract Model)
- ◆ Intentionally, the DRM does not delve into specific models or artifacts that the architects will create:
 - ◆ Organizations use different EA Frameworks. There are a lot of right ways.
 - ◆ The models/artifacts developed will depend on what's needed
 - ◆ As we define best practices, we will consider more definitive guidance in the DRM
- ◆ However, the objective is to provide actionable guidance to your programs: We should be building with data sharing in mind up front.
 - “Build to Share”

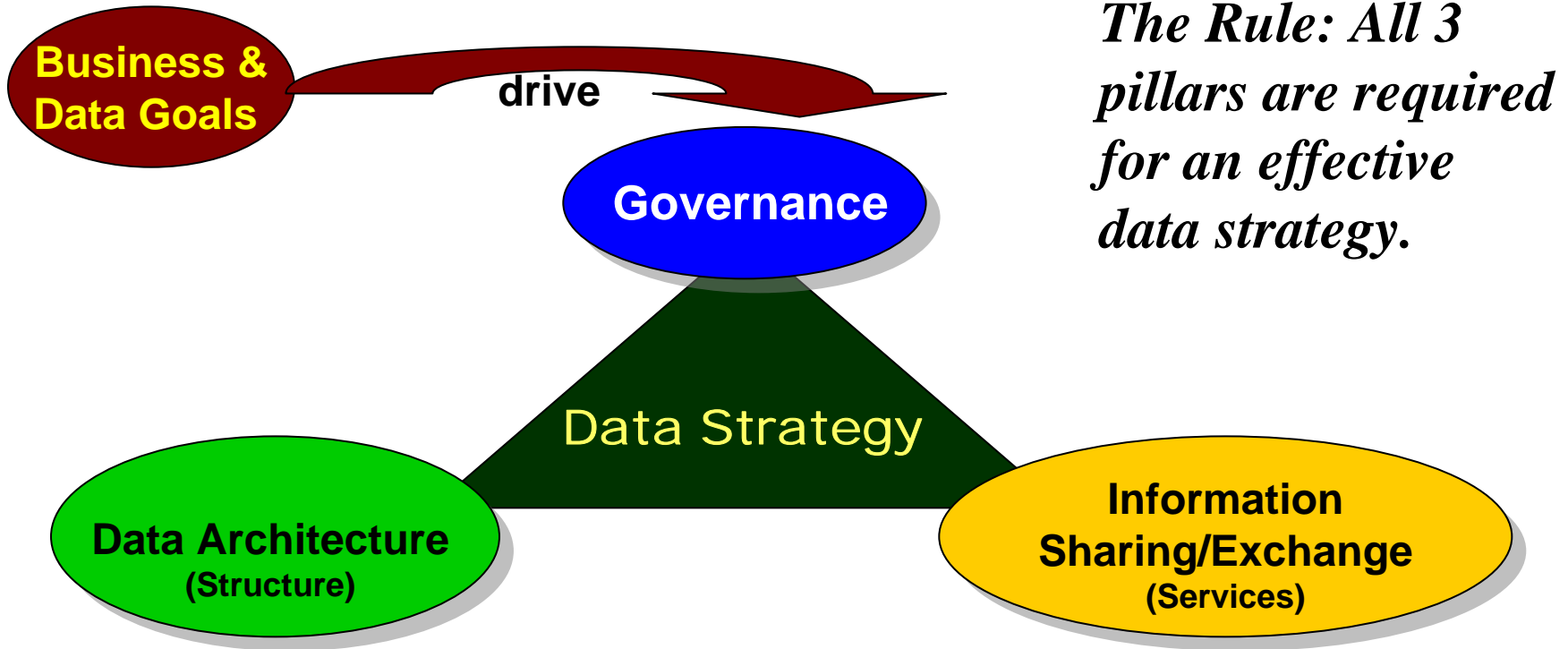


FEA DRM

Three Pillar Data Strategy Framework

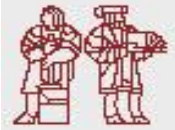


The DRM Data Strategy Framework



The Rule: All 3 pillars are required for an effective data strategy.

Goals drive; governance controls; structure defines; and services enable data strategy.



Data Strategy Framework Elements

Governance

Oversight

Policy & Procedures

Education/Training

Processes and Practices

Issue Resolution

Metrics/Incentives

Data Architecture (Structure)

Inventory

Discovery Data

Definitions/Semantics

Structure

Syntax

Pedigree

Authoritative Sources

Security/Protection Data

Data Transfer Standards

Information Sharing/Exchange (Services)

Communities of Interest

Search

Data Registries

Data Catalogs

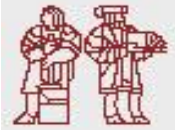
Shared Spaces

Access Services

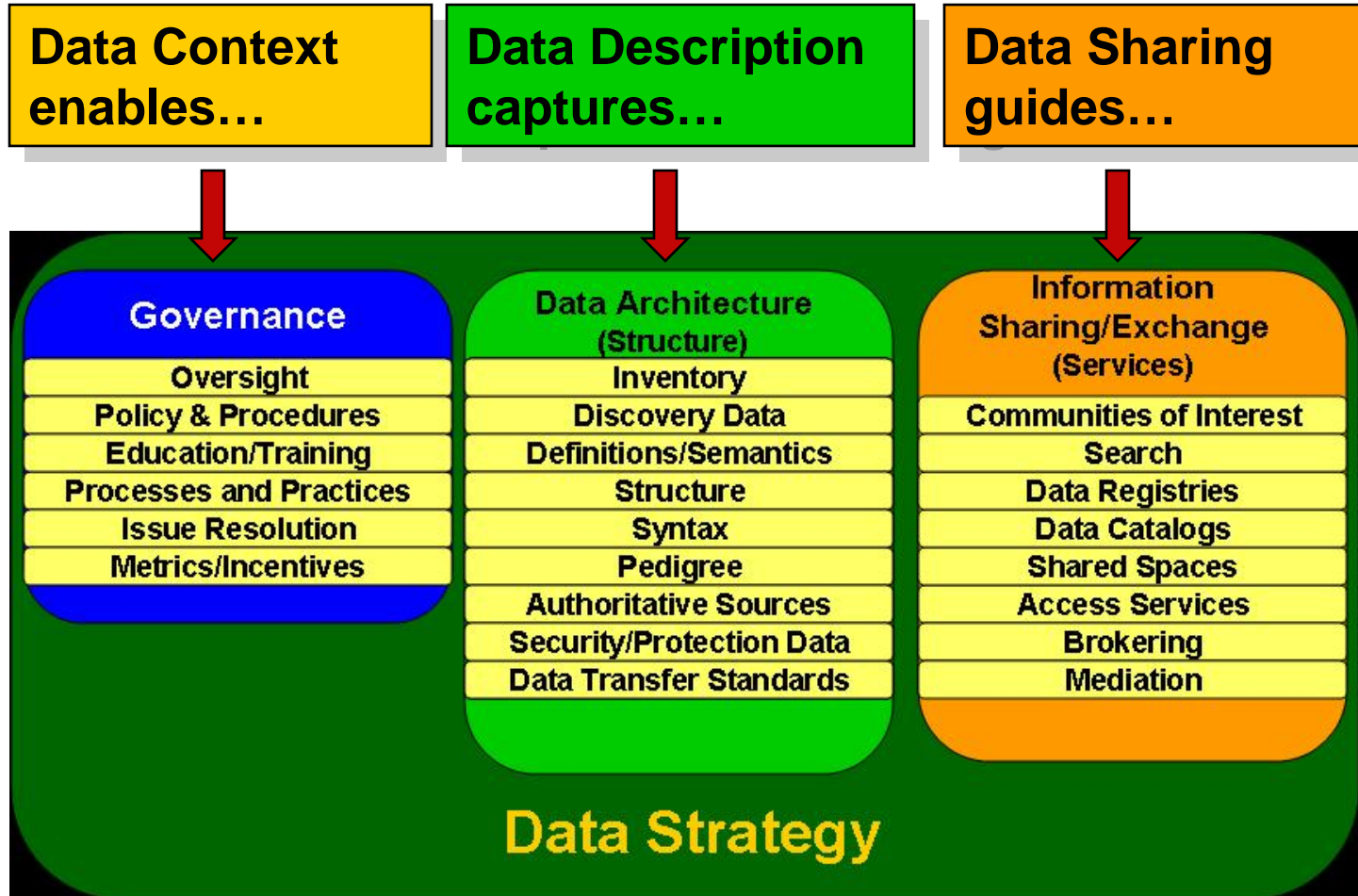
Brokering

Mediation

Use of specific elements depend on the goals

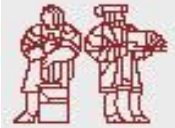


Mapping the Strategy to the DRM

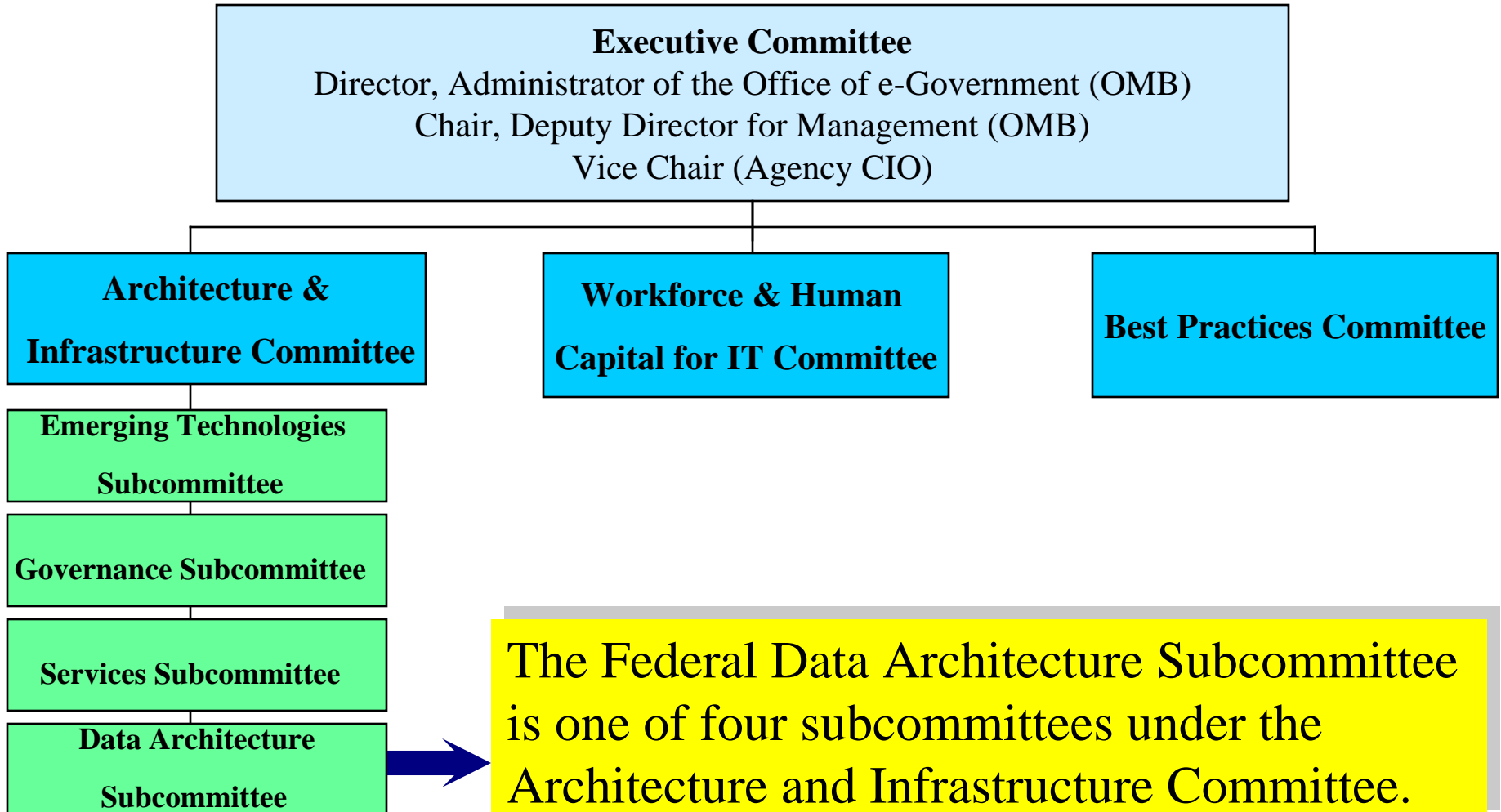




Governance Overview



Federal CIO Council Organization





Governance Strategy

◆ Federal Data Architecture Subcommittee (DAS)

- Chartered by Federal CIO Council
- 2 Co-chairs appointed by AIC
- Membership Federal CIO representation (105)
- Various work groups

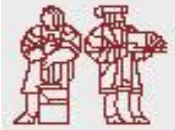
◆ Key FY07/FY08 Activities/Deliverables

1. Federal Data Quality Profile
2. Final Draft Person Core Concept
3. Initial draft DRM Implementation Guide





Summary



Summary

- ◆ The FEA DRM is one of five inter-related reference models designed to facilitate inter-agency analysis and collaboration.
- ◆ The FEA DRM consists of three basic concepts: Context, Description, and Information Sharing.
- ◆ Agencies can implement the FEA DRM in many ways, but must follow the three pillar data strategy to be successful.
- ◆ The Federal Data Architecture Subcommittee was established to provide agencies additional guidance on FEA DRM implementation.





Questions



Contact info:

Suzanne Acar:

U.S. Department of the Interior

Senior Information Architect, and

Co-Chair Federal Data Architecture Subcommittee

suzanne_acar@ios.doi.gov