



Virginia Information Technologies Agency

Commonwealth Data Strategy – EIA Scorecard Results and Next Steps for Planning Process

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Enterprise Information Architecture (EIA) Scorecard



EIA Scorecard – Background

- Modeled on Gartner’s EAScore methodology
- Adapted to align with the Commonwealth’s EIA elements of the Enterprise Architecture Policy 200-02
- Measured agency activity in the core EIA program areas:
 - Data Governance
 - Data Asset Management
 - Data Standardization
 - Data Sharing



EIA Scorecard – Key Findings

- A total of 65 respondents completed the survey for more than a 30% response rate
- Respondents covered a range of Commonwealth agencies, with a high degree of representation from across small, medium and large size agencies
- Respondents also represented a full range of staff roles and positions, including CIOs/IT Directors, Agency IT Resources (AITRs), Database Administrators, Data Stewards and Information Security Officers (ISOs)



EIA Scorecard – Key Findings

- More than 70% of respondents said they agreed or strongly agreed that their agency engaged in core EIA activities
- Most respondents (50% or more) also said their agency was actively implementing or preparing to implement primary EIA deliverables
- In the area of data governance, a majority of respondents (60%) said their agency had internal governance-related activities but only limited engagement in Commonwealth-wide governance
- Data governance also tended to be *ad hoc* rather than systemic



EIA Scorecard – Key Findings

- Just over half (56%) of the respondents said their agency maintained metadata for their enterprise information assets
- Agencies mostly (84%) maintained their metadata in simple spreadsheets or Word documents rather than in registries/repositories
- Similarly, more than 80% of the respondents said their agency implemented data standards
- However, these tended to be internal standards (63%) rather than Commonwealth (20%) or external (11%) standards



EIA Scorecard – Key Findings

- Compliance monitoring for implementation of data standards occurred most often at the project planning (64%) and system design (67%) phases of the project/system lifecycle
- More than half (50%-55%) gave favorable responses to the Commonwealth's EIA program on each of the key measures
- Commonwealth EIA received the highest rating (72%) on its publication of adopted standards in the Web-based standards repository



EIA Scorecard – Key Findings

- An overwhelming majority (84%) of the respondents said their agency actively exchanges data with other entities
- Of these agencies, 76% said the exchanges helped to maximize the value of their data assets; 90% viewed data sharing as critical for achieving business objectives; and 80% had integrated shared data into their performance/ outcome measurement systems
- Data exchanges most often (57% or more) were supported by point-to-point data sharing agreements



EIA Scorecard – Key Findings

- Respondents identified a number of barriers to data sharing, with the most frequent being technical, staff and cultural (interagency) obstacles
- Most respondents identified the agency CIO/IT director (52%) as being the leading driver for data sharing relationships; the next highest were the AITRs at 42%



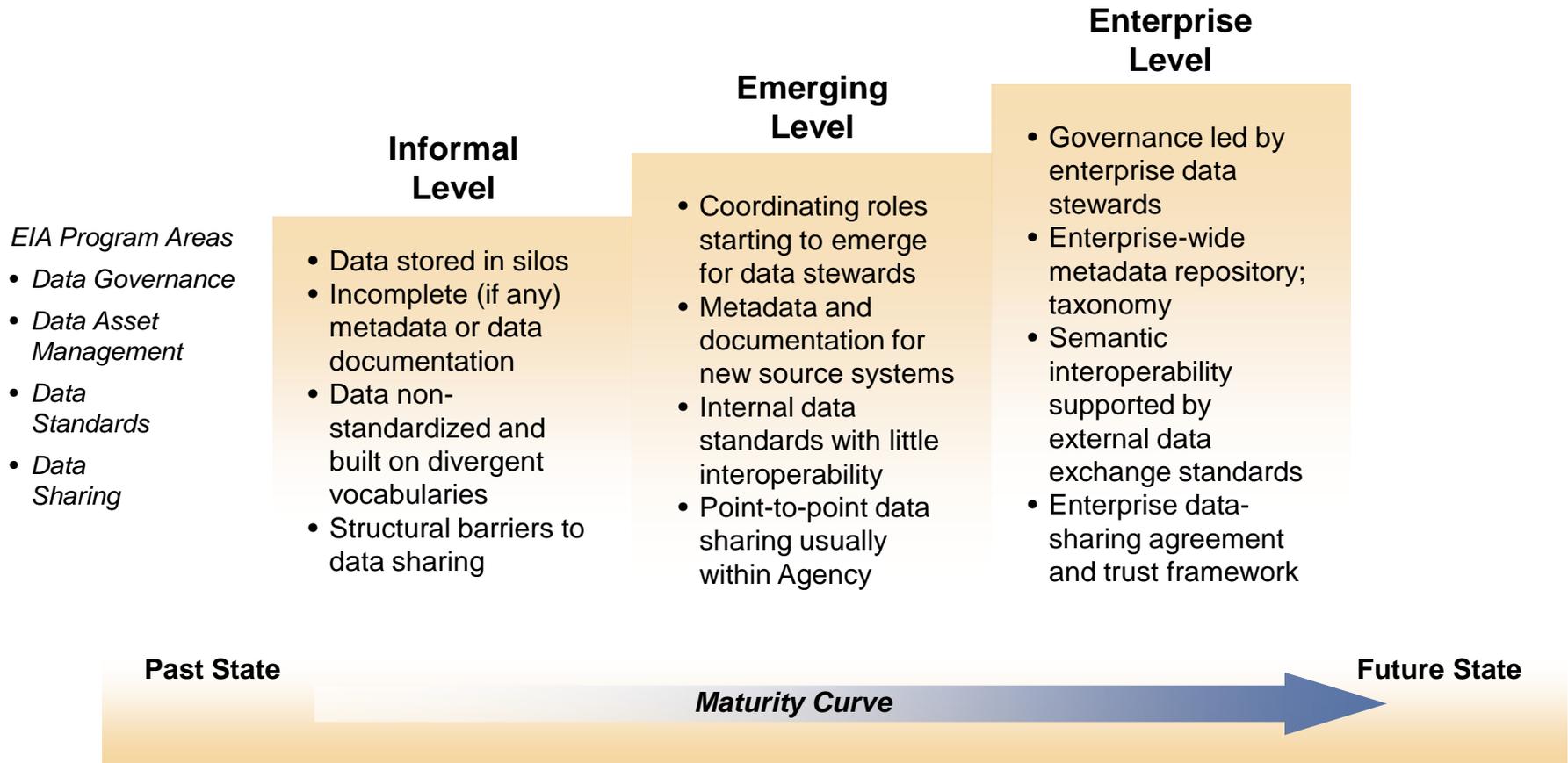
Commonwealth Data Strategy Planning Process



Commonwealth Data Strategy - Purpose

- Develop an enterprise data strategy and supporting governance structure
- Engage stakeholders to develop, implement and monitor performance on the data strategy
- Establish measurable goals, objectives and strategies to guide the Commonwealth toward its desired “future state” on the EIA Maturity Curve

EIA Maturity Model



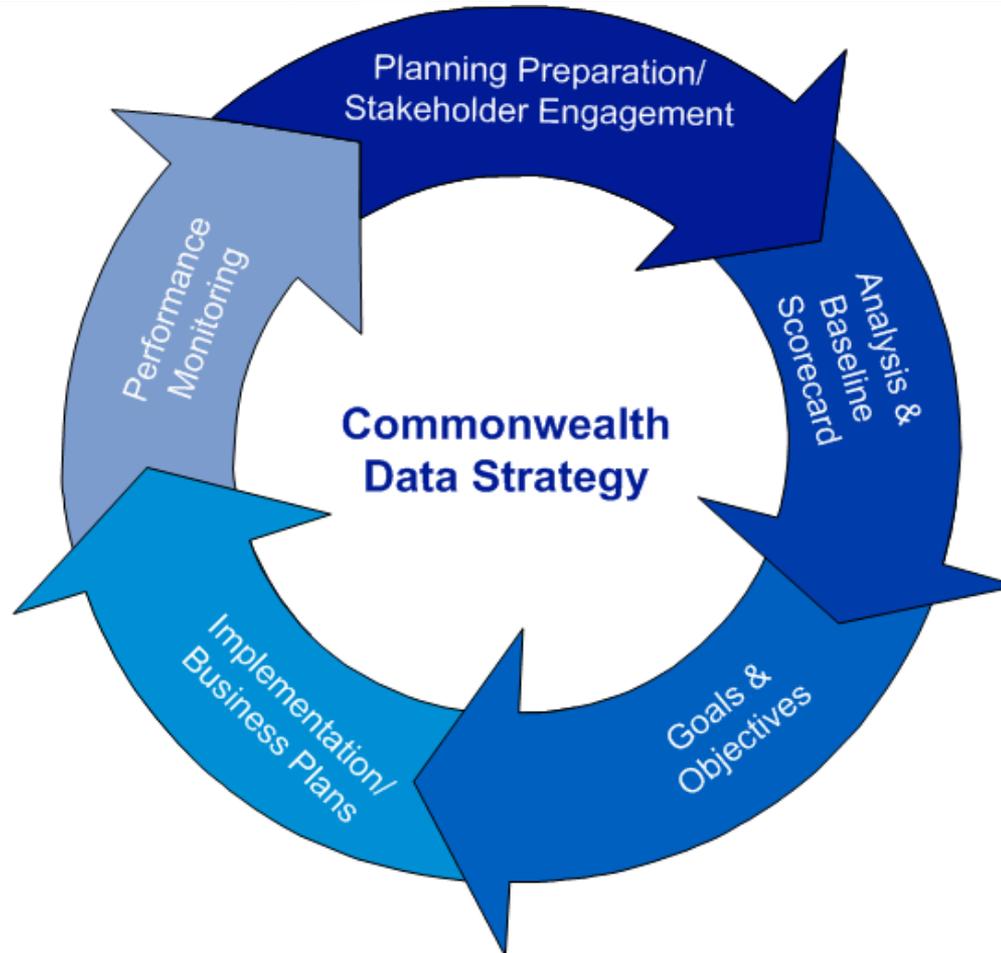
Graphic Source: AMR Research, 2006



Comparison with the State of Colorado

EIA Program Area	Virginia	Colorado
Central IT Agency	VITA	OIT
Data Governance	Emerging	Enterprise
Data Asset Management	Emerging	Enterprise
Data Standardization	Emerging	Enterprise
Data Sharing	Emerging	Enterprise

COV Data Strategy – Process





COV Data Strategy – Process

- Planning Preparation/Stakeholder Engagement
 - Strategic Planning Committee/Data Stewards
- Analysis & Baseline Scorecard
 - Quantitative Analysis on EIA Scorecard
 - Identification of Performance Constraints
- Goals & Objectives
 - High-level EIA Goals Owned by Data Stewards
 - Performance Targets in Primary EIA Domains



COV Data Strategy – Process

- Implementation/Business Plans
 - Implementation Strategies at the Agency, Program and Source Data System Level
 - Performance Metrics tied to Strategies and Aligned with EIA Domains
- Performance Monitoring
 - Ongoing Application of EIA Scorecard
 - Evaluation of Progress along EIA Maturity Curve based on Performance Metrics



Action Item

- Questions, Comments & Discussion
- HITSAC Vote