



Chartering Data Stewardship in the Commonwealth

Nicole D. Helmantoler

Enterprise Information Architect
Commonwealth Data Governance
Virginia Information Technologies Agency

July 10, 2014



Today's Agenda

- Background
 - Data Stewards Survey Results
 - Charter & Work Group Taskings
 - Stewardship Wins
 - Next Steps for Data Stewards
 - IT Strategic Planning Cycle
 - EIA Scorecard
 - Fall Meeting
-
- Breakout for Executive, Functional and Technical Working Groups



Background and Group Kickoff



Virginia's EIA Strategy

- Adopted by Secretary of Technology on August 14, 2013
<http://www.vita.virginia.gov/oversight/dm/default.aspx?id=10340>
- A strategic plan to support interoperability and enterprise information sharing across Commonwealth agencies and their partners
- Developed over an 8 month period by 120+ data stewards, business leads and technical staff representing 30+ Commonwealth agencies



EIA Vision & Mission

Vision:

The Commonwealth of Virginia will achieve the highest level of excellence in its enterprise approach to managing, securing, sharing, and using its information assets.

Mission:

The Commonwealth of Virginia's EIA approach promotes availability of consistent, secure, high quality, timely and accessible information to enable quality service to citizens of the Commonwealth.



EIA Goals

Goal 1: Data Governance. *Forge a disciplined approach to data governance across the Commonwealth with formal roles for data stewards and other stakeholders.*

Goal 2: Data Standards. *Promote the use of standardized data and shared data definitions as a means of supporting business-driven information exchange across agency systems, government domains, and levels of governance.*

Goal 3: Data Asset Management. *Manage information as an enterprise asset, with an emphasis on quality, security, efficiency, accessibility, reduced redundancy, and a higher return on investment.*

Goal 4: Data Sharing. *Leverage the sharing of information based on business need and in compliance with governing laws, statutes, and regulations to increase government performance, improve service to citizens and more effectively achieve business outcomes.*



Data Stewards Group Kickoff Recap

- Held on February 18th – Meeting Materials posted on VITA website
(<http://www.vita.virginia.gov/oversight/DM/default.aspx?id=6442472432>)
- Utilized survey prior to meeting to gather input on priorities, educational opportunities, constraints
- Format of meeting was panel discussion with data governance and data sharing thought leaders



Results from Data Stewards Group Survey #2



Data Stewards Survey Results

- VITA administered a survey to Data Stewards to gauge working group participation and gain input on priorities
- Additional questions on Big Data and Open Data
- 44 Respondents – slight increase from Kickoff survey



Data Stewards Survey Results

Are you willing to participate in a working group?

- **Yes - 80%**
 - **No - 20%**
-

If yes, please select a work group from the choices below (please chose only one):

- **Functional (Business/Policy) working group - 43%**
- **Technical working group - 37%**
- **Executive Steward - 20%**



Data Stewards Survey Results

If participating in the functional group, please indicate your top two priorities:

- **Analysis of commonwealth-wide barriers to data sharing (federal, state, local) – 90%**
- Information architecture guidance for agency IT Strategic Plan
- Data steward role specifications/training plan
- Business and legal criteria for Enterprise Data Sharing Agreement



Data Stewards Survey Results

If participating in the technical group, please indicate your top two priorities:

- **Data quality standards/methodology**
- **Analytics tool evaluation/selection**
- Metadata collection standards/tool selection
- Enterprise taxonomy/interoperability model

Data Stewards Survey Results

Does your agency currently use a metadata repository?

- Yes -33%
- **No - 67%**

Collibra

DigiTool

ArcGIS Online

Business Objects
Info Steward

Excel

Home Grown

SQL Server



Data Stewards Survey Results

Does your agency currently use an analytical tool?

- **Yes - 73%**
- **No - 27%**

Does this tool adequately meet your analytical needs?

- **Yes - 61%**
- **No - 39%**

**SQL Server
Reporting
Services**

Microstrategy

Excel

LogiXML

SAS

SPSS

Tableau

ArcGIS Desktop

WebTrends



Data Stewards Survey Results

Does your agency have any instances of Big Data?

- Yes - 39%
- **No - 61%**

Does your agency have a challenge that could be solved with a Big Data solution?

- **Yes - 56%**
- No - 44%



Data Stewards Survey Results

Please list any datasets from your agency that are considered open (public) data and can be shared

- 22 data sets identified

Are there datasets within your agency that are not currently public but could be made public (non-sensitive)?

- Yes - 25%
- **No - 75%**



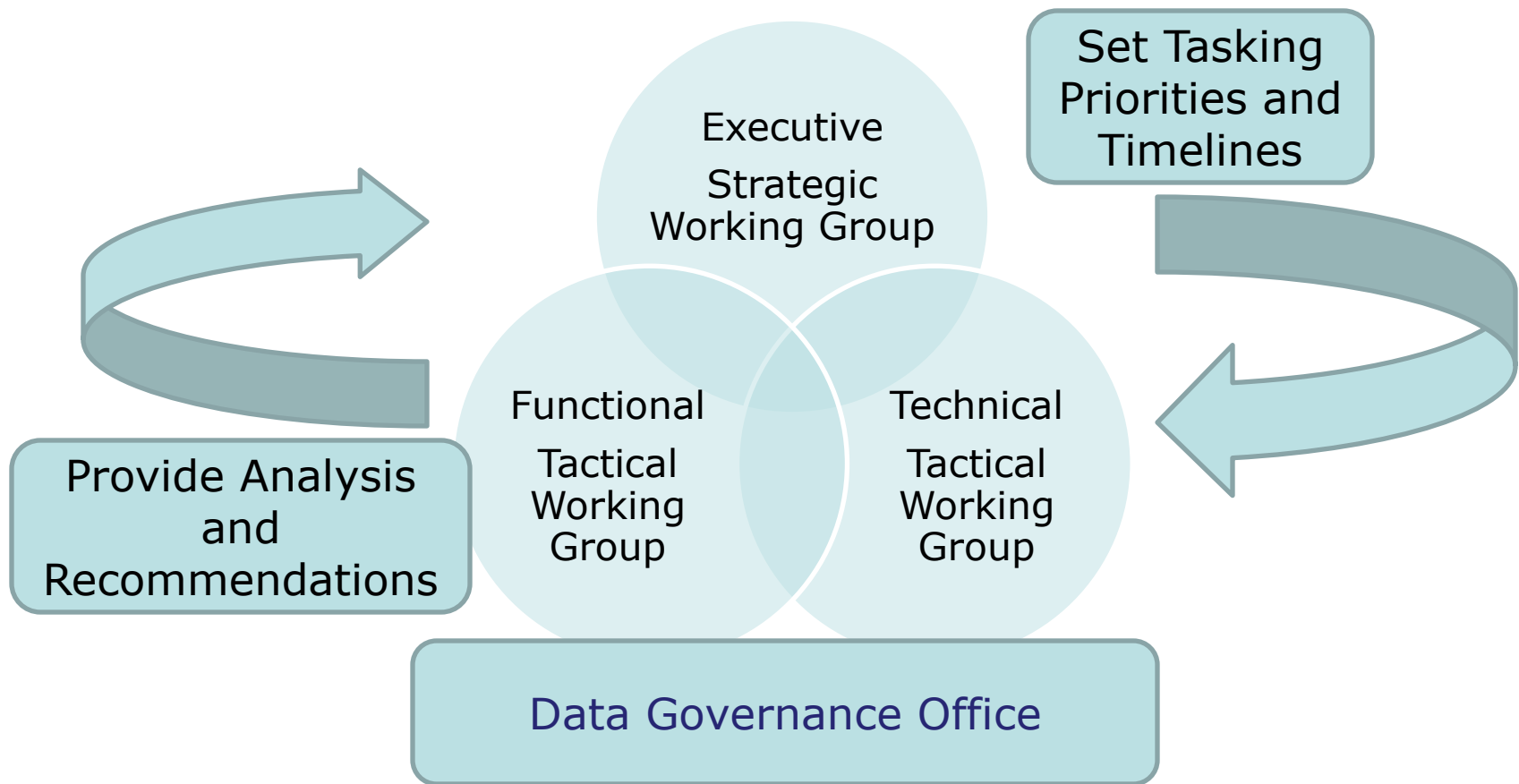
Charter and Working Group Formation



Charter

- Soliciting Feedback from Data Stewards on Charter through July 25th
- Data Stewards Group Charter will be posted to ORCA for public comment
- Respond to Comments
- Charter will be packaged and routed to CIO of the Commonwealth and Secretary of Technology for adoption in September

Working Group Structure

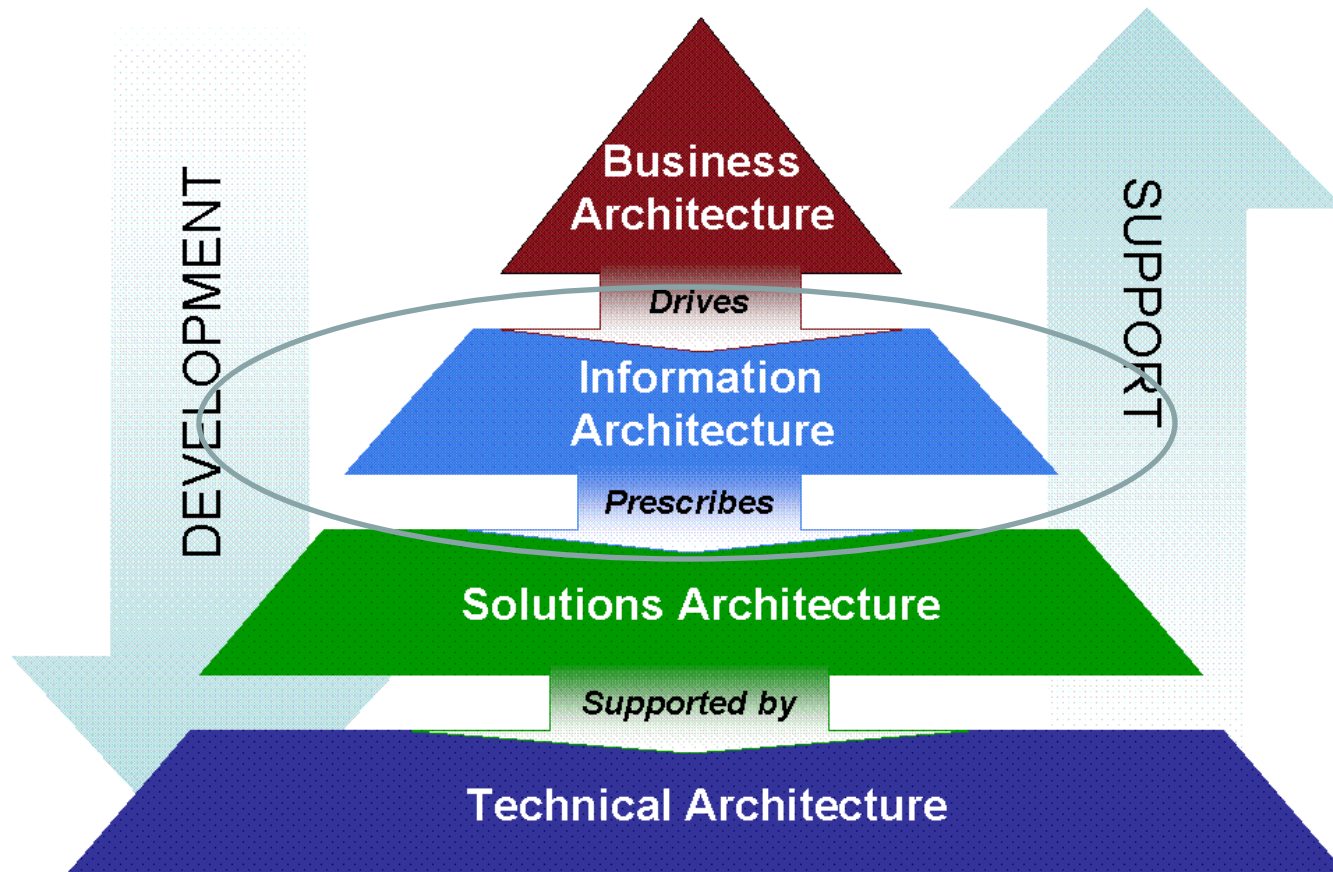




Stewardship Wins

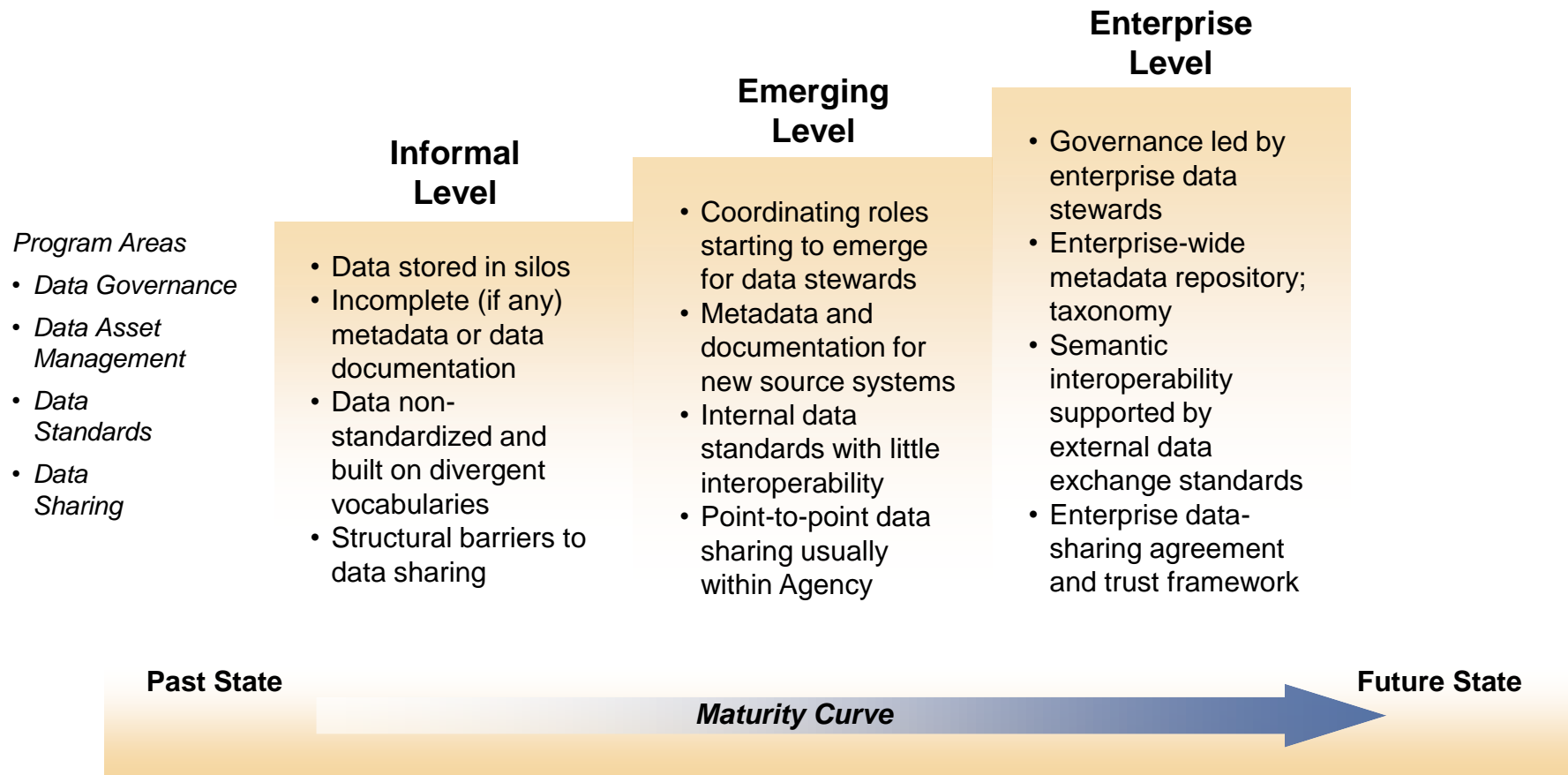
- Over 50+ in attendance for Commonwealth Data Stewards Group Kickoff
- Vendor Data Standard modification
- VGIN Administrative Boundary Geospatial Data Standard
- Agency investments in data governance and data asset management tools
- Systemic increase in awareness across the Commonwealth in all EIA goal areas

ITSP – Information Architecture





EIA Scorecard - Maturity Model



Graphic Source: AMR Research, 2006

Next Steps



- Send comments on charter – move to adopt
- Communicate initial task/timeline for Functional & Technical Working Groups
- Recruit Task Leads for Functional and Technical Working Groups
- Complete EIA Scorecard 2014
- Discuss Fall Group Meeting



Working Group Breakouts:

Technical Group – Remain in **1223**

Functional Group – **1221**

Executive Group – **Chesterfield
Conference Room**