

Knowledge Management Conference – May 2010  
Washington DC

# **What Works – FMS Data Management**

**Marcel Jemio**

Chief XML Architect, Enterprise Data Architecture, Business  
Architecture Office, Financial Management Service, Treasury

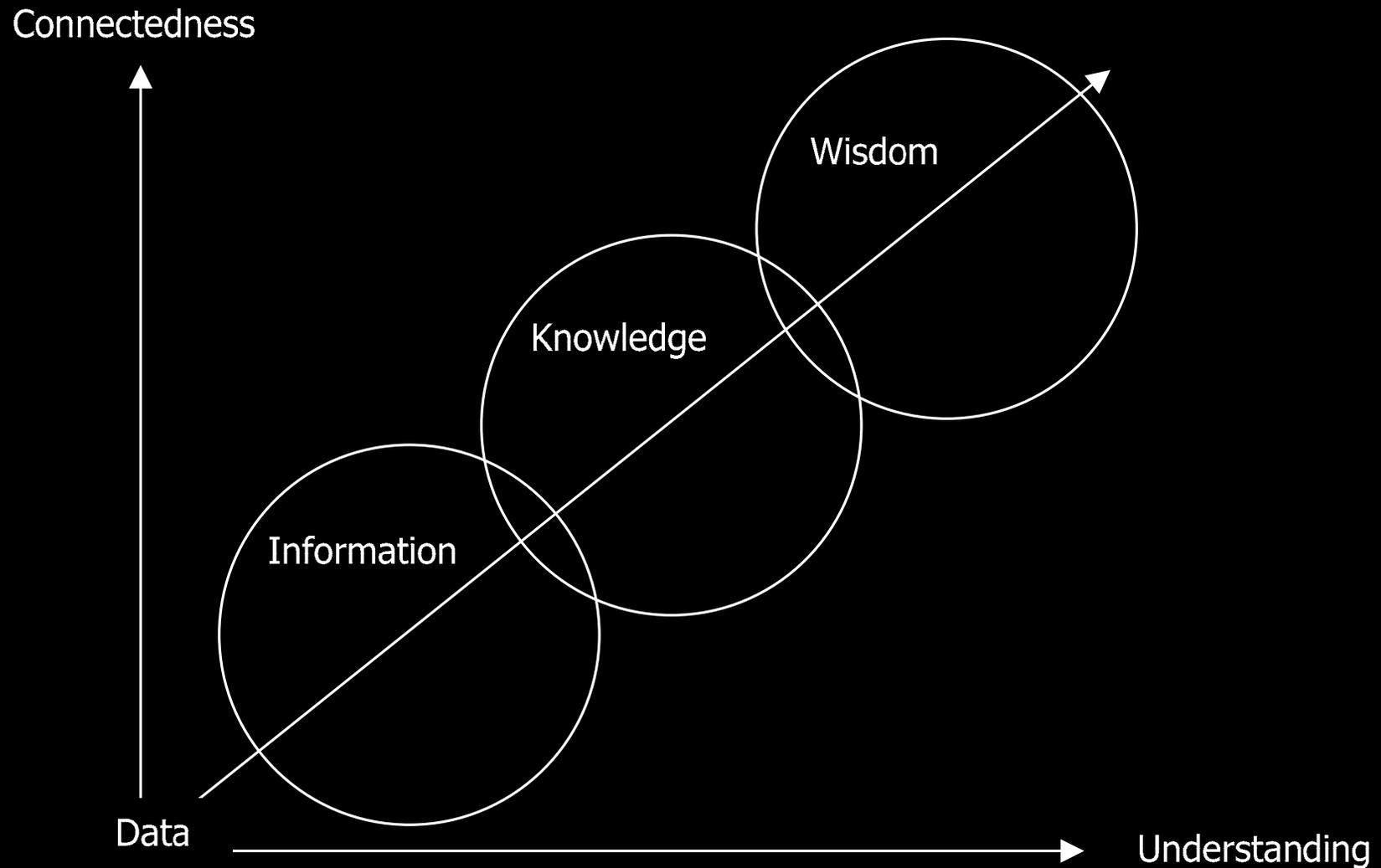
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- Agenda
  - FMS Data Management Philosophy
    - Business Architect Office
      - Enterprise Data Architecture
        - » FMS Data Registry
        - » FMS Data Model

“The limits of my language mean the limits of my world.”

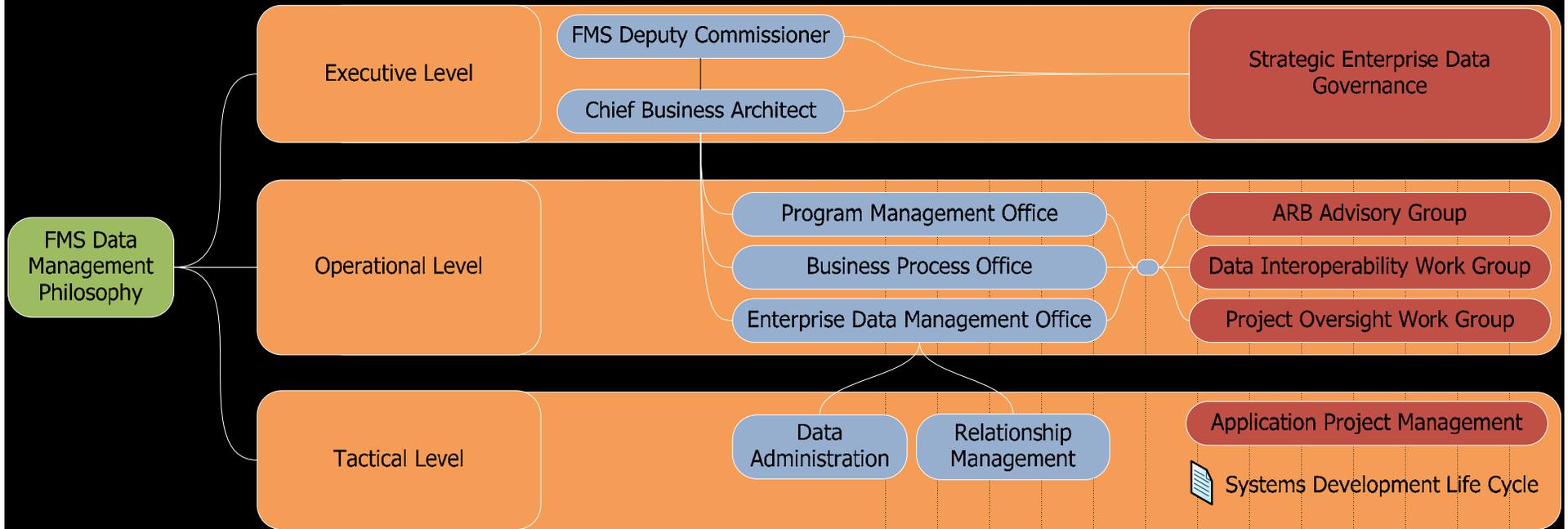
L. Wittgentstein (1889 - 1951), Tractatus Logico-Philosphicus

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"For it is impossible for a man to begin to learn that which he thinks that he knows." Epictetus, Discourses

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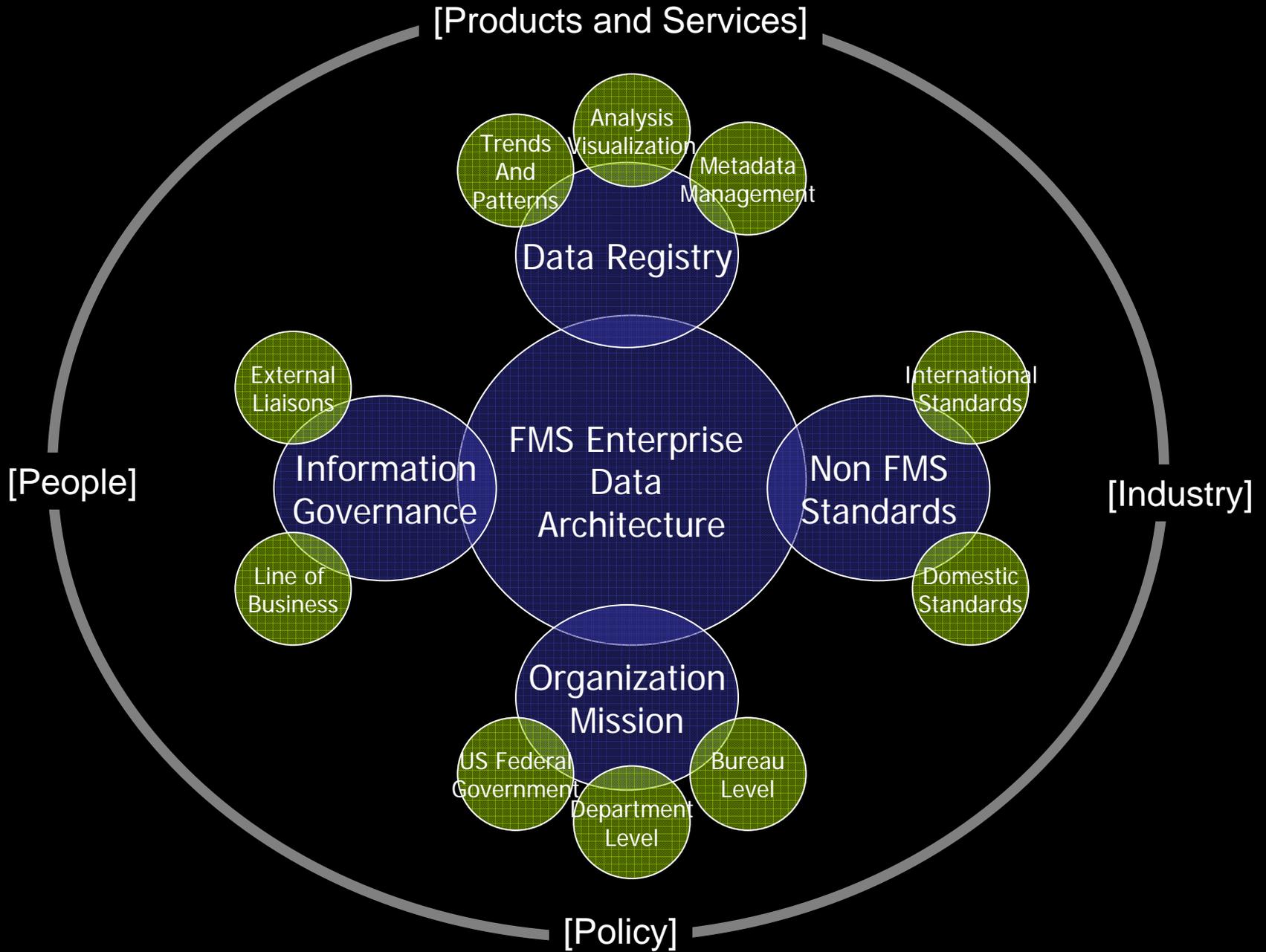


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- Data Management
  - Is an organization discipline
  - Requires organization alignment, business process change, and senior management commitment
  - Requires a dedicated organization

"Because where a connoisseur sees the differences, a novice sees the similarities. Where a connoisseur can discern subtle shades of distinction based on nuanced asymmetries, a novice lacks the necessary filters to canvas, to organize, to sift an assortment in a meaningful way. Where a connoisseur can navigate a category with effortless intuition, a novice will struggle to find beginning, middle, or end."

[http://www.youngmoon.com/ym/home\\_files/YMoon%20Book%20Excerpt.pdf](http://www.youngmoon.com/ym/home_files/YMoon%20Book%20Excerpt.pdf)



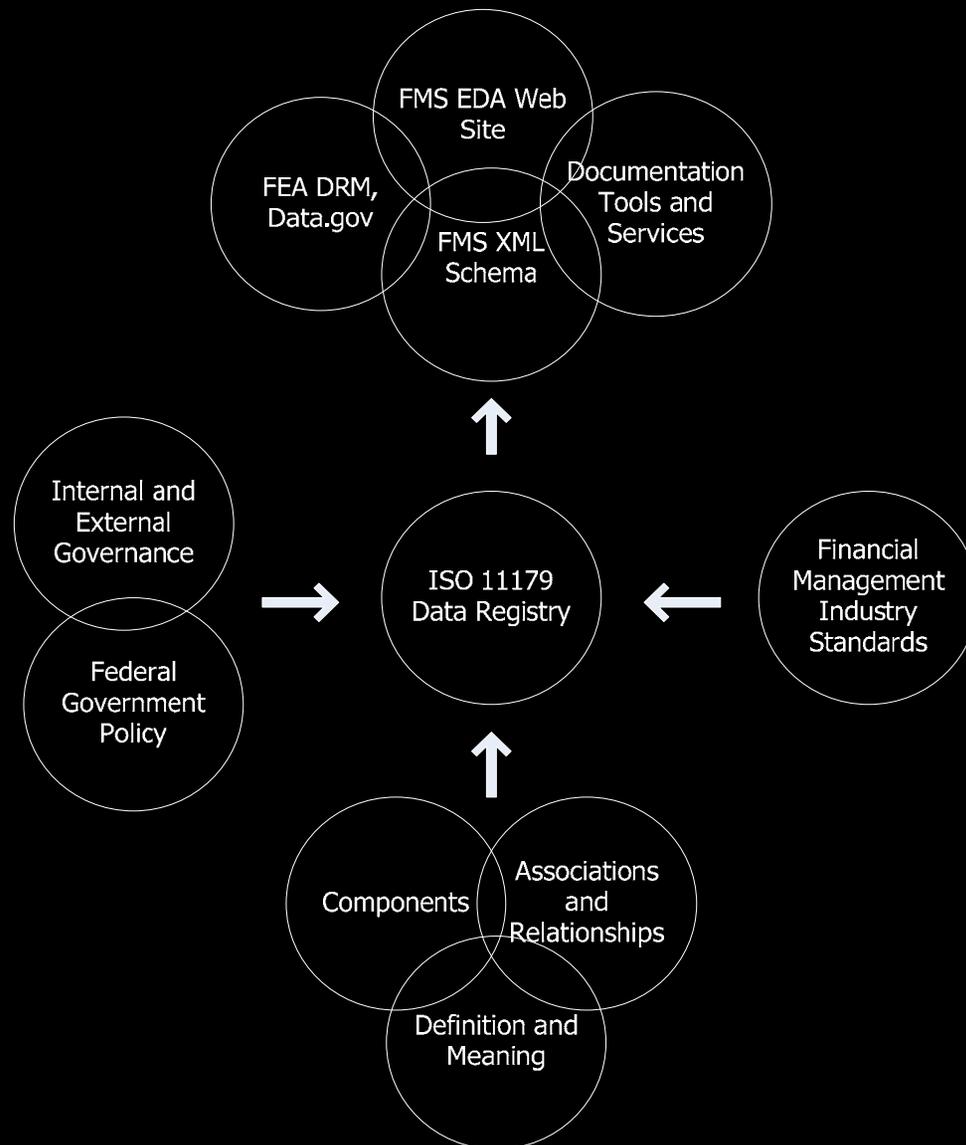
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- FMS Data Registry and FMS Data Model
  - Language
    - "The problem with defending the purity of the English language is that English is about as pure as a cribhouse whore. We don't just borrow words; on occasion, English has pursued other languages down alleyways to beat them unconscious and rifle their pockets for new vocabulary."
      - [http://en.wikipedia.org/wiki/James\\_Nicoll](http://en.wikipedia.org/wiki/James_Nicoll)

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- FMS Data Registry and FMS Data Model
  - Music
    - “Music is your own experience, your thoughts, your wisdom. If you don't live it, it won't come out of your horn.” Charlie Parker

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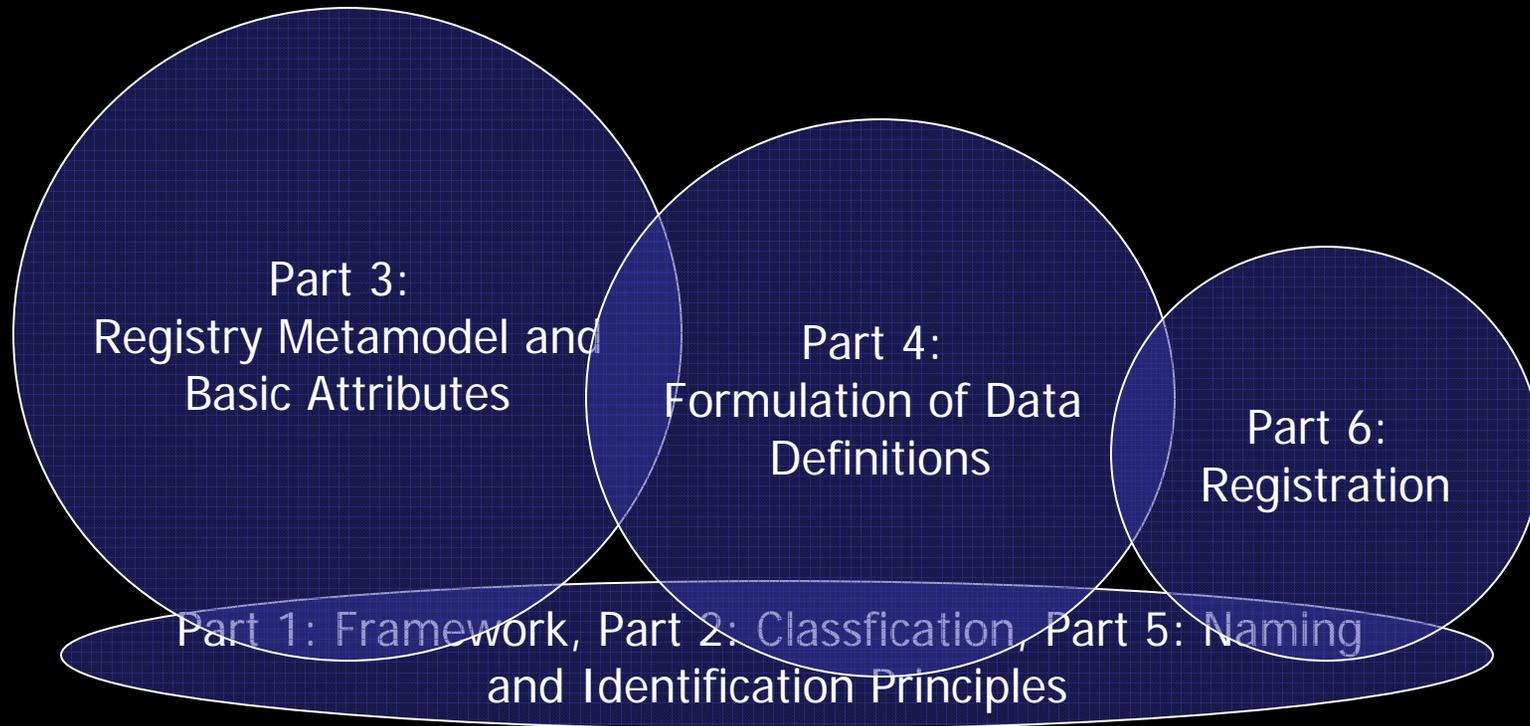
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- **Critical Success Factor:**

- The ability of a system to **access** and **use** the parts of another system

- Syntactic interoperability (~~say~~ what you mean)
  - Semantic interoperability (~~mean~~ what you say)
- 

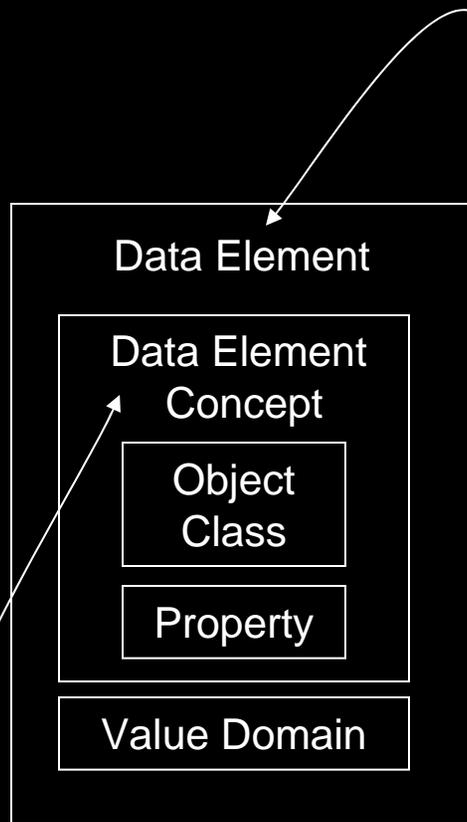
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**ISO/IEC 11179, Information Technology Metadata registries**

<http://metadata-stds.org/11179/>

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Data Element = Object Class + Property + Representation Class  
Ex. Agency + Location + Code

Data Element Concept = Object Class + Property  
Ex. Agency + Location

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- **Marcel Jemio**

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- twitter: [http://www.twitter.com/fms\\_standards](http://www.twitter.com/fms_standards)

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- Appendix

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## Links and Research

<http://fms.treas.gov/eda/xml>

<http://fms.treas.gov/eda/rv/model/index.html>

[http://fms.treas.gov/eda/docs/FMS\\_EnterpriseXML\\_Strategy.pdf](http://fms.treas.gov/eda/docs/FMS_EnterpriseXML_Strategy.pdf)

<http://xml.gov/standards.asp>

<http://www.niso.org/publications/press/UnderstandingMetadata.pdf>

[http://www.itl.nist.gov/div897/docs/metadata\\_descriptions.html](http://www.itl.nist.gov/div897/docs/metadata_descriptions.html)