

TWAI Information Exchange – May 2010

What Works – FMS Data Management

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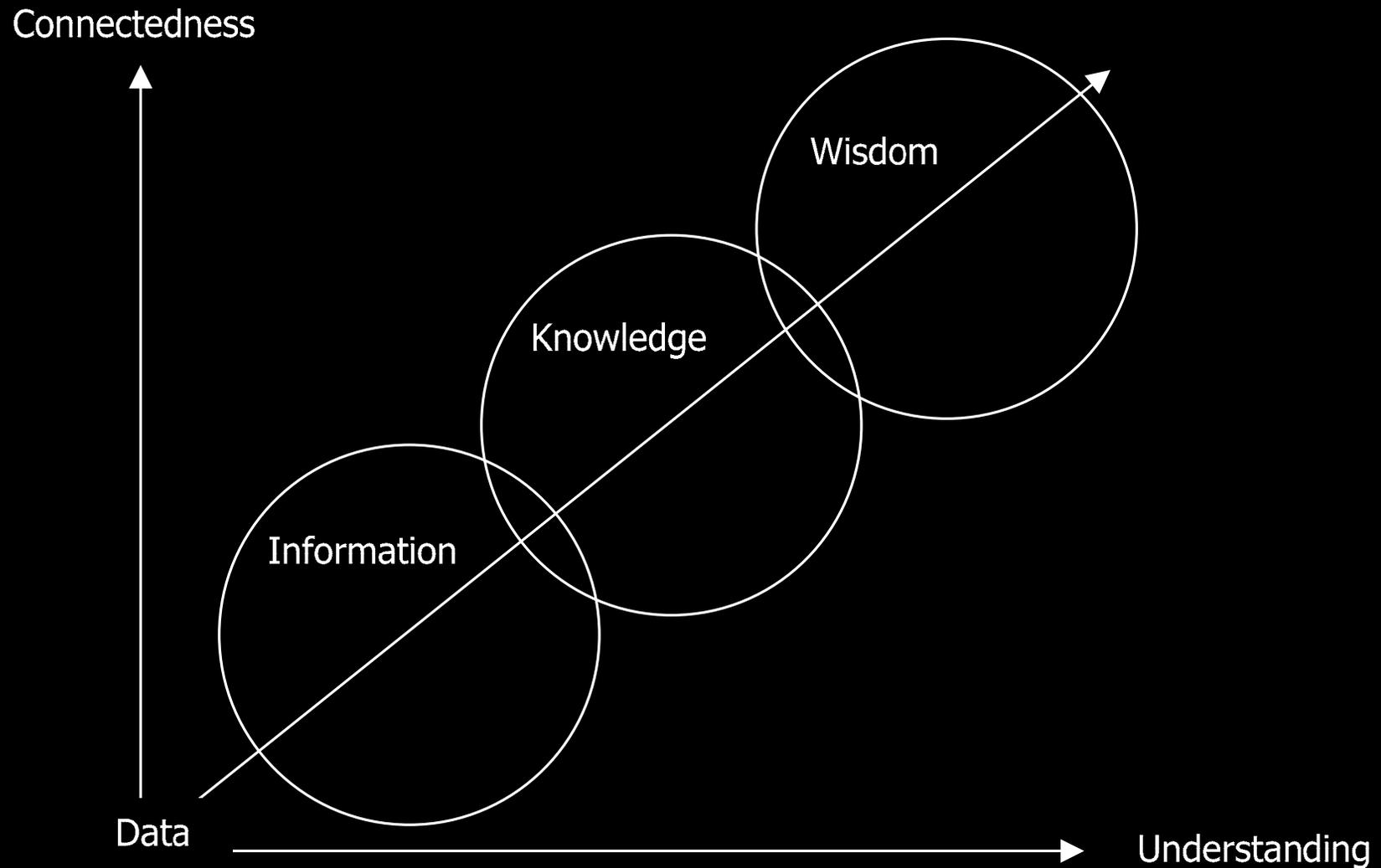
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- Agenda
 - FMS Data Management Philosophy
 - Business Architect Office
 - Enterprise Data Architecture
 - » FMS Data Registry
 - » FMS Data Model
 - » Payment Information Repository

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

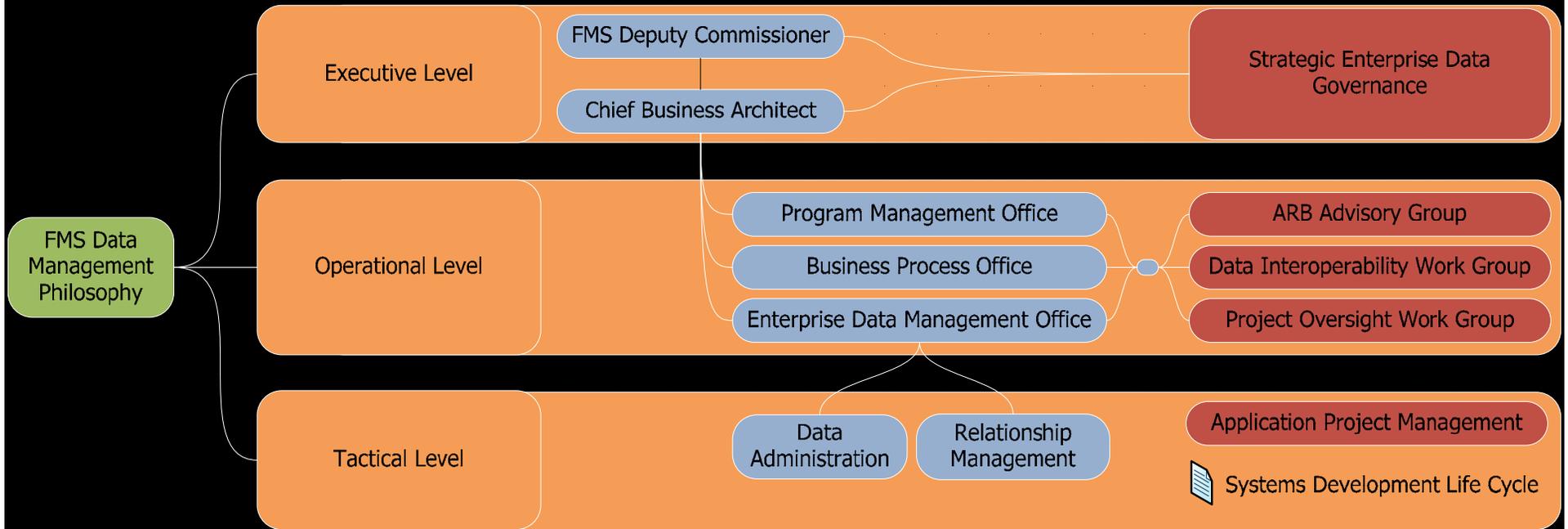
L. Wittgentstein (1889 - 1951), Tractatus Logico-Philosphicus

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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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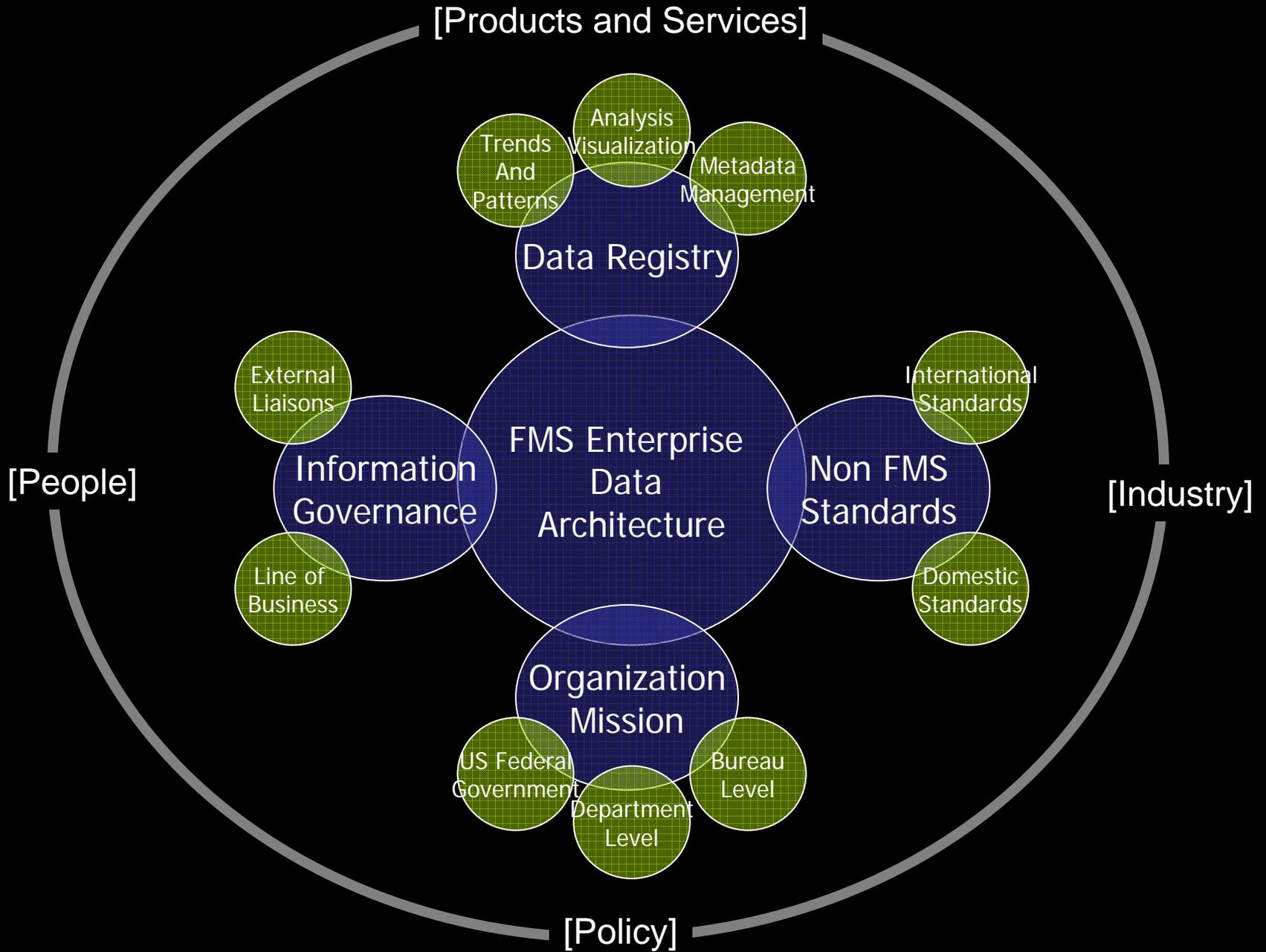


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- Data Management
 - Is an organization discipline
 - Requires organization alignment, business process change, and senior management commitment
 - Requires a dedicated organization

"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



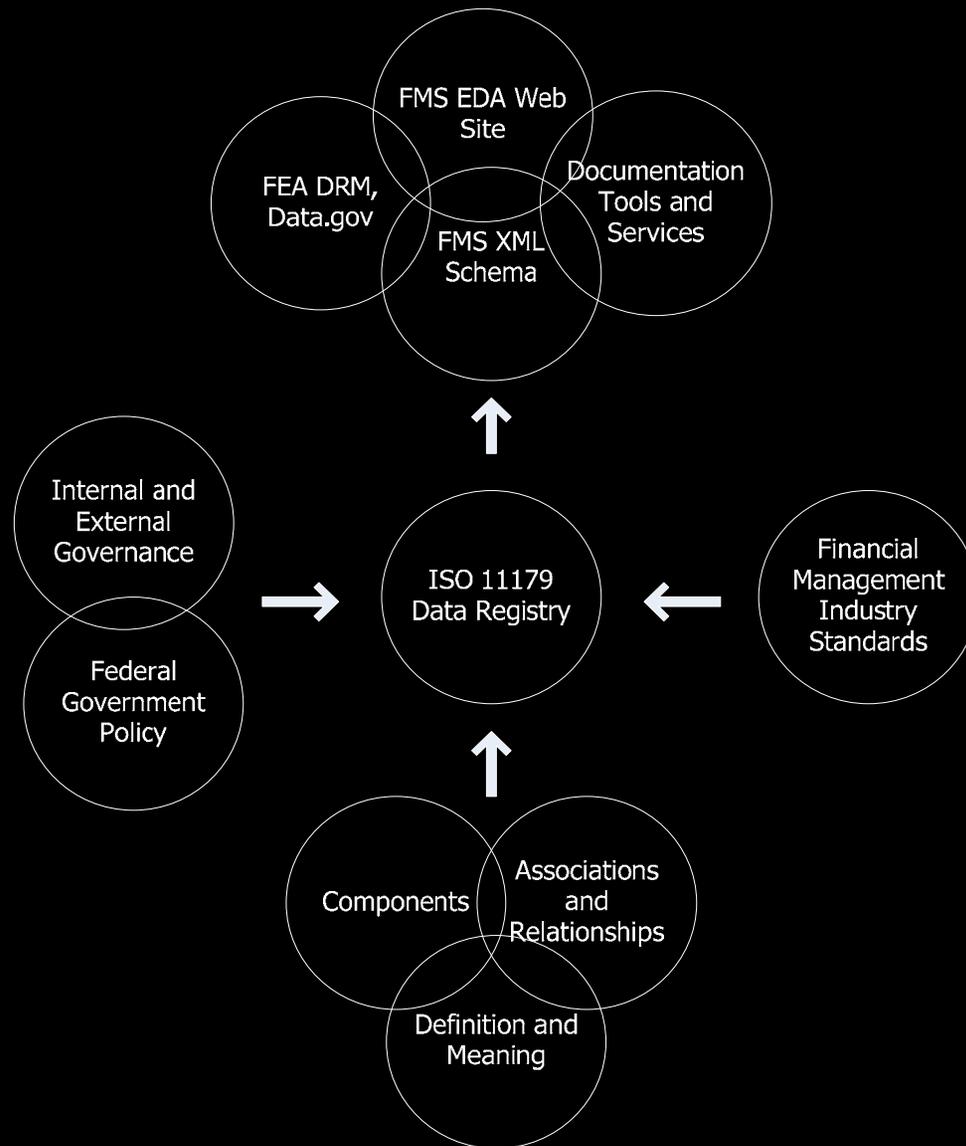
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- FMS Data Registry and FMS Data Model
 - Language
 - "The problem with defending the purity of the English language is that English is about as pure as a cribhouse whore. We don't just borrow words; on occasion, English has pursued other languages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

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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

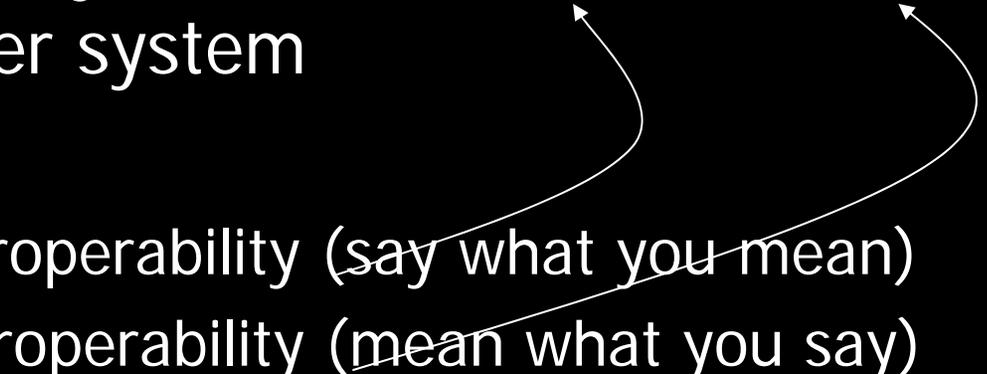
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- **Critical Success Factor:**

- 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)
- 

Reliable and Consistent

- reports actual spending by agency to law-makers, decision-makers, and to general public via Recovery.gov and USASpending.gov

Financial Information Repository Portal

- single source to access financial management data

Financial Information Repository - Federated Data Warehouse with Business Intelligence and Data Mining

- aggregate data to provide quick, accurate response
- provide flexibility to evolve data aggregation user needs

Business Line Data Repositories

- detail transactions from each of the verticals
- the nodes in orange outline have their data repository in various stages of progress)

Extract, Transform, and Load

- Data Harmonization
- implement FMS Financial Management Data Standards

Data Feeds

- Agencies communicate with existing FMS systems
- Select systems will interface with the Extract, Transform, and Load (ETL) tool with minimal disruption of current data flow

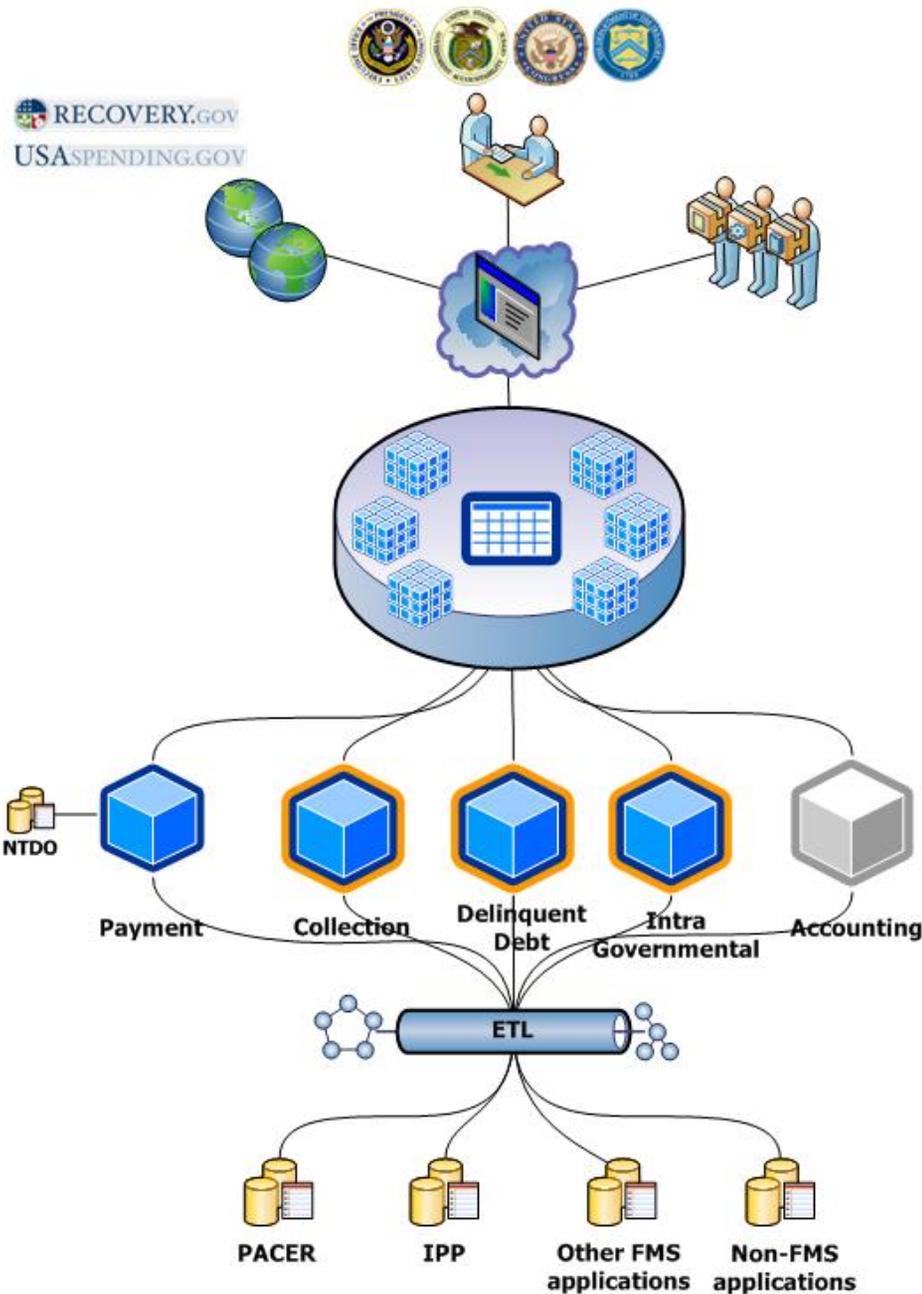
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2

1



Summary
Detail

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- **Marcel Jemio**

- email: marcel.jemio@fms.treas.gov
- calendar: <http://fms.treas.gov/eda/cal.html>
- web: <http://fms.treas.gov/eda/xml>
- twitter: 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://xml.gov/standards.asp>

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

http://www.itl.nist.gov/div897/docs/metadata_descriptions.html