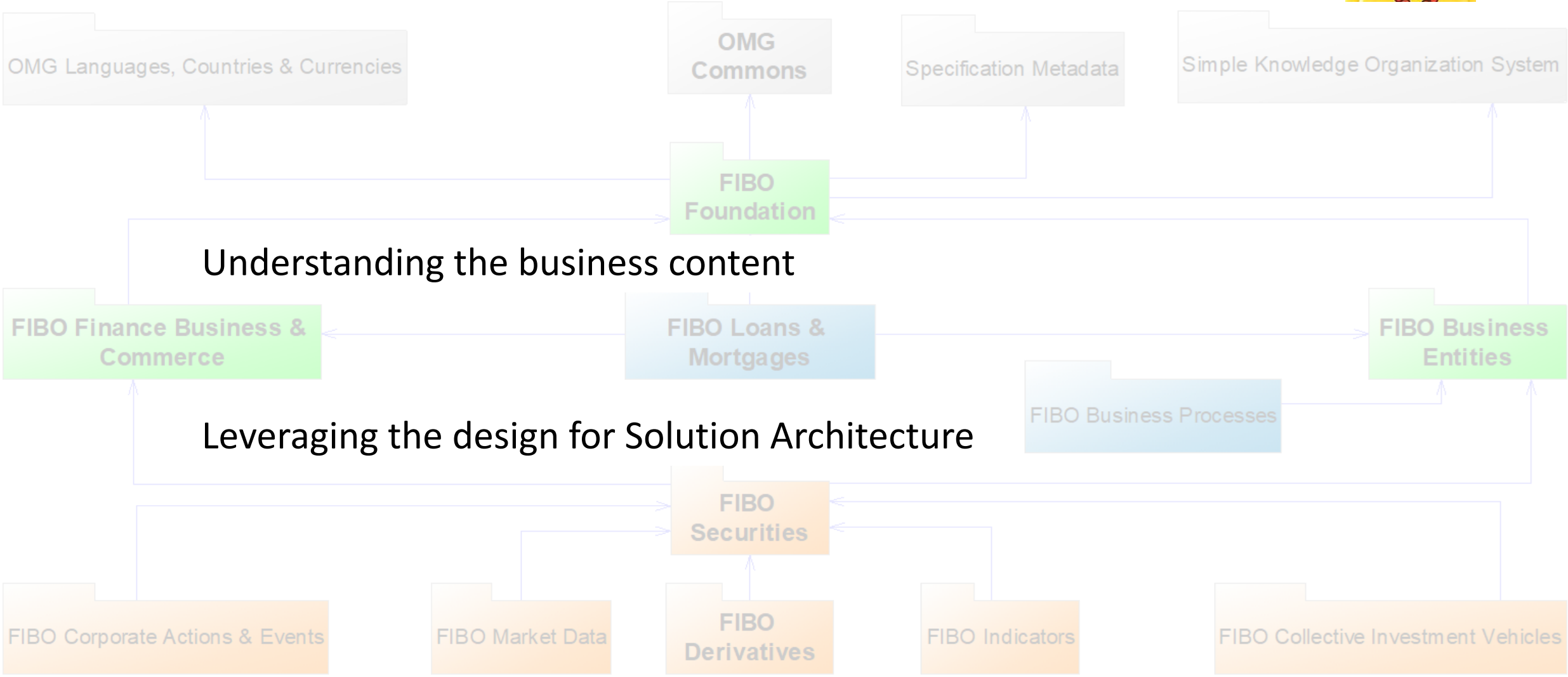
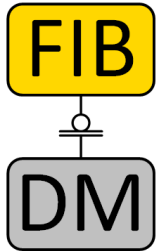
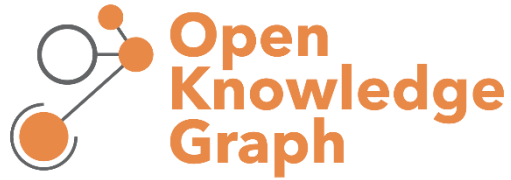


# Semantics for Project Architects



# FIBO and FIB-DM are the Industry Standard



The Financial Industry Business Ontology (FIBO) is the blueprint for Enterprise Ontologies and the Knowledge Graph.

3,500 users downloaded the ontology-derived Financial Industry Business Data Model.



Education resources cover model structure, concept hierarchies, and the transformation process.



Stakeholder

# Education course for DAs, Stakeholders, and Ontologists



**Project Data Architect** experienced in logical and physical data modeling. You want copy design solutions for your department or sub-domain database.



**Enterprise Data Architect** experienced in industry reference models. You want to customize the industry-standard for your organization.



**Finance / Business / Management.** As a stakeholder, you want immediate returns without a huge investment.

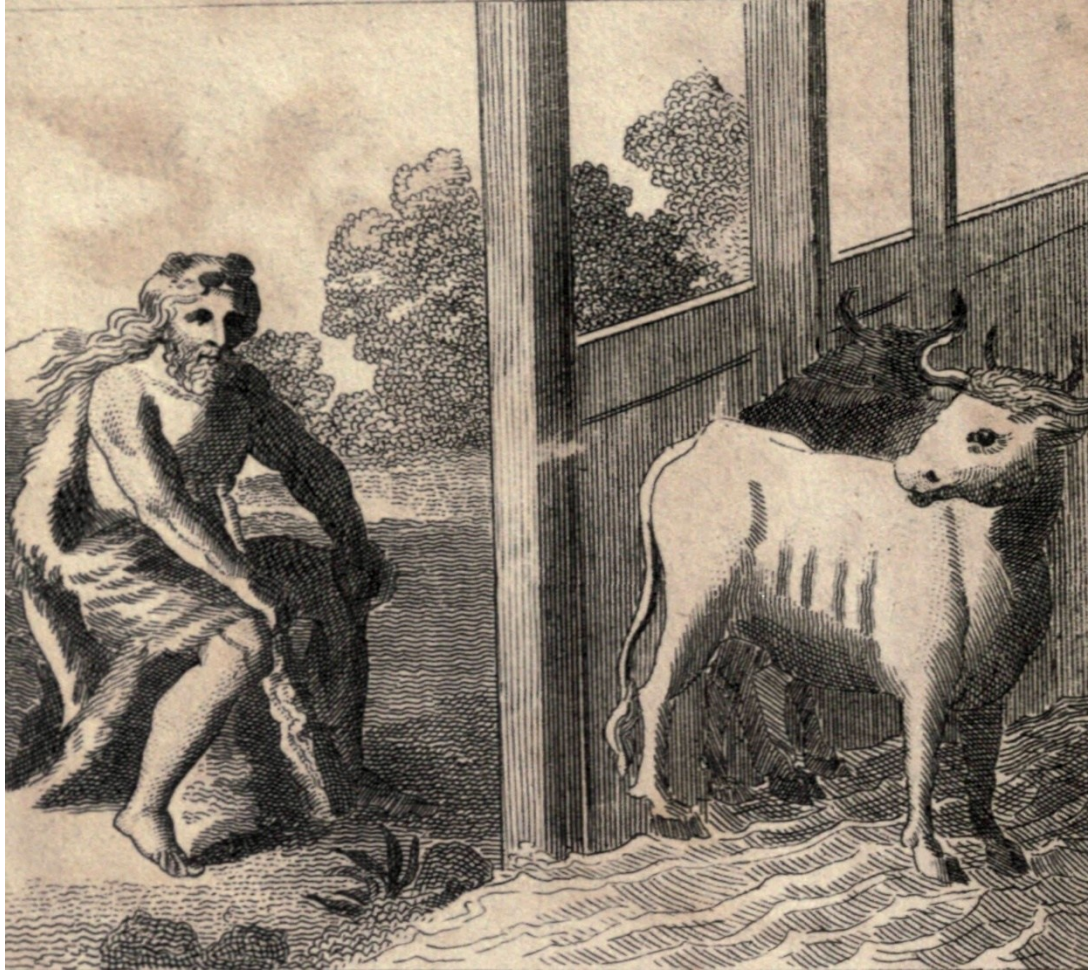


**Ontologist** is responsible for operational and enterprise/knowledge graph ontology design. You want to understand FIBO modules.



Stakeholder

# The challenge: Building an Enterprise Model



Hercules takes a break from cleaning the Augean Stables.

Irrespective of the notation, Entity-Relationship (ER) or Ontology Web Language (OWL),

customizing the industry-standard reference model is herculean labor.



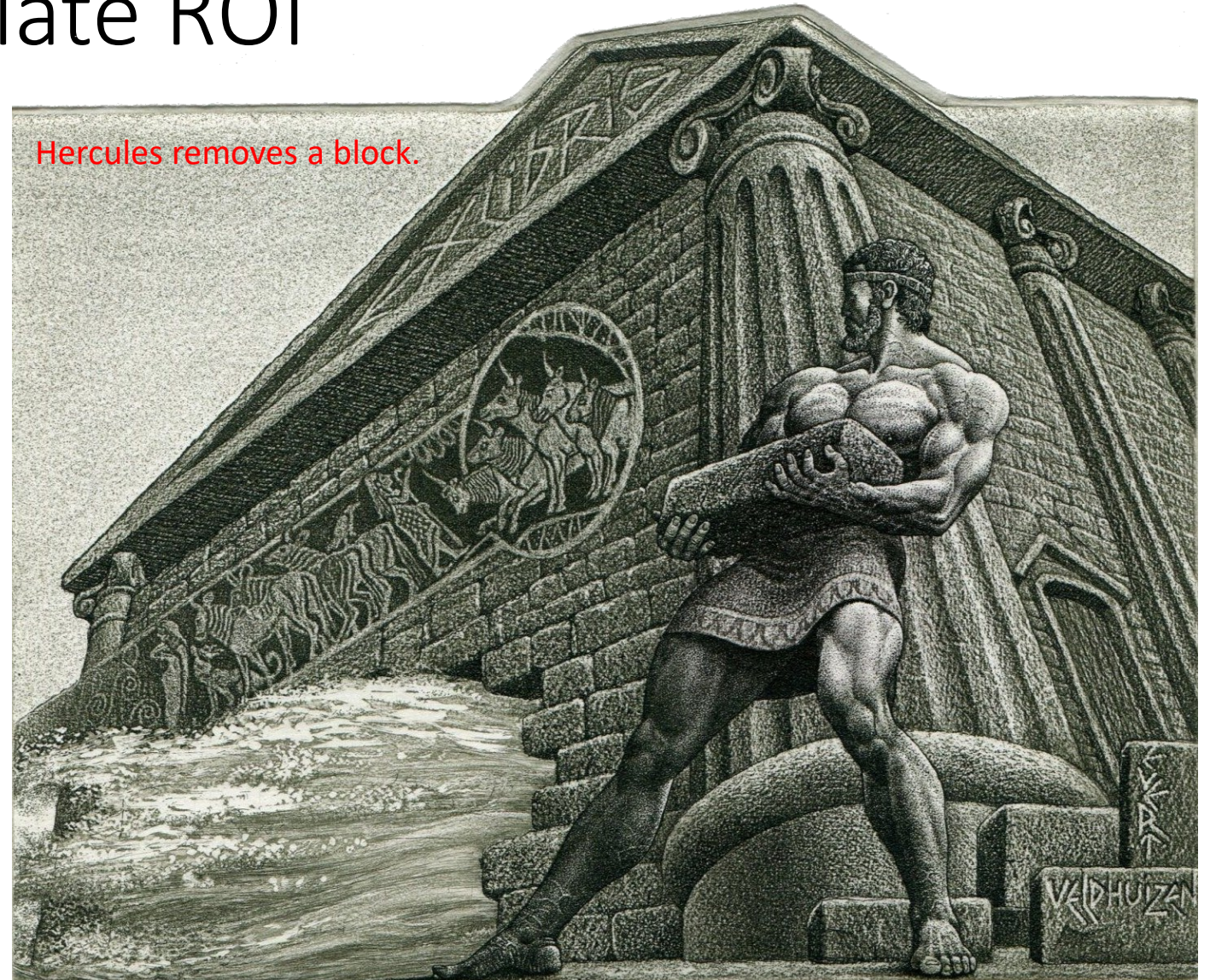


# The vision: Immediate ROI

Using the reference model as an encyclopedia of building blocks.

Leveraging design patterns as blueprints for solution architecture.

**ROI from day one.**





# The way: Two-pronged learning approach

Enterprise  
Architecture



Focus on hierarchies  
of the 15 Concepts  
and Associative  
Entities



Solution  
Architecture



Focus on FIB-DM  
packages (FIBO  
modules) for the  
project – not the  
whole model.



Stakeholder

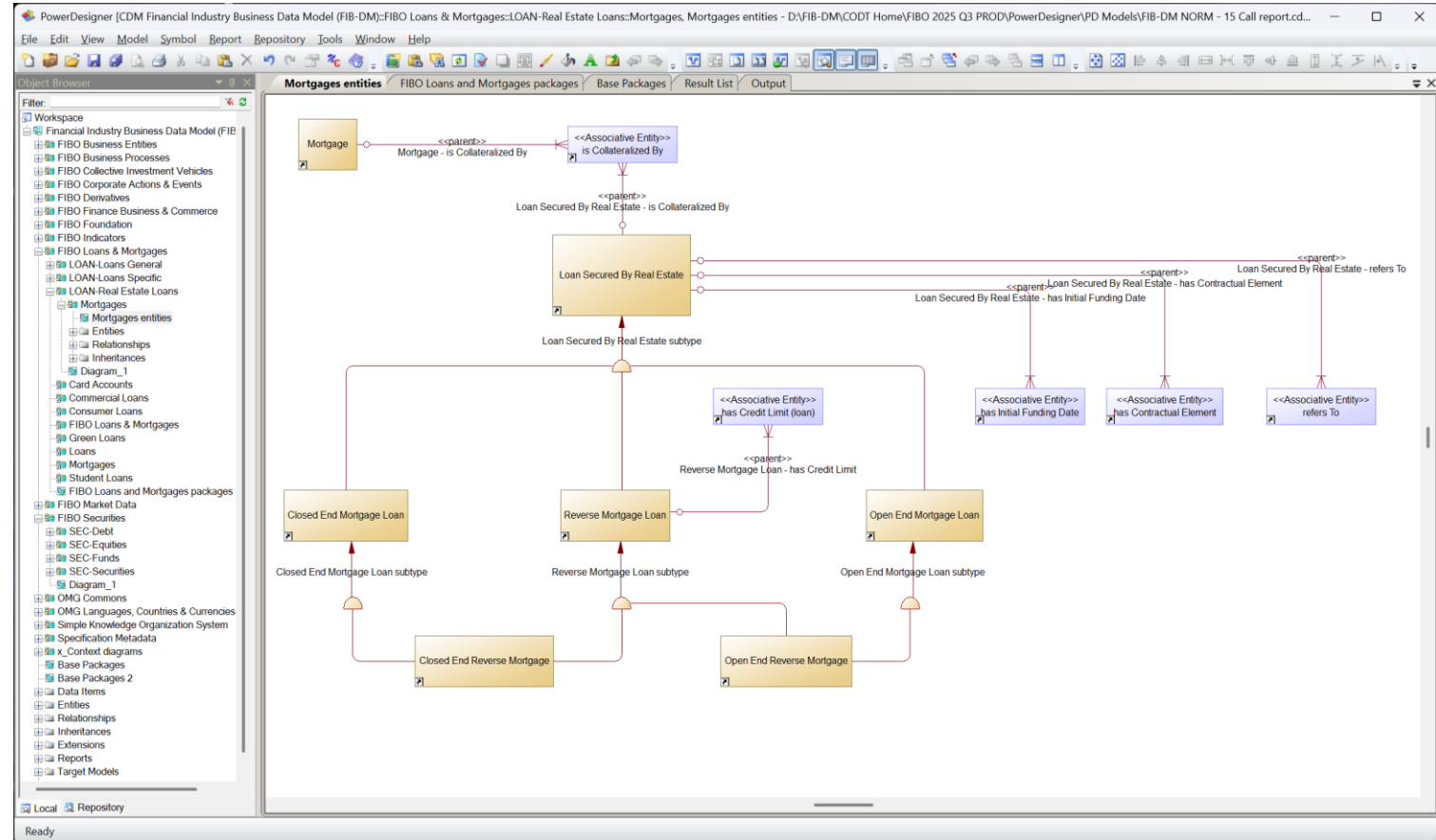
# Business-driven, education course

The Enterprise Data Architect rationalizes the whole model, traversing the 15 concept hierarchies and the associative entities.

The Project Data Modeler wants to copy blueprints and design patterns for a specific business solution.

The Project/Solution track teaches the business content in detail.

You deep-dive into packages relevant to your project.





# Monsters

Many Financial Institutions had multi-year, multimillion-dollar failures creating an Enterprise Model.

Some comments called the 3,000-entity FIB-DM, the world's largest data model, a monster.

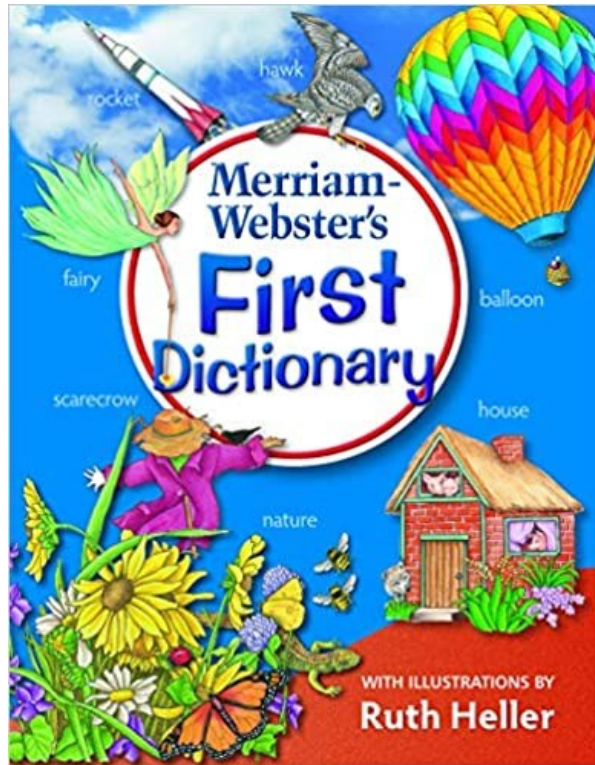
A misconception of both the Financial Industry Business Data Model and Ontology. You can:

1. Leverage the industry-standard as a reference model facilitating common names, definitions, design patterns, and reference data across the enterprise.
2. Scope the Enterprise model of appropriate size.
3. Use iterative development cycles (Spiral/Agile) harvesting tangible benefits for projects from day one.



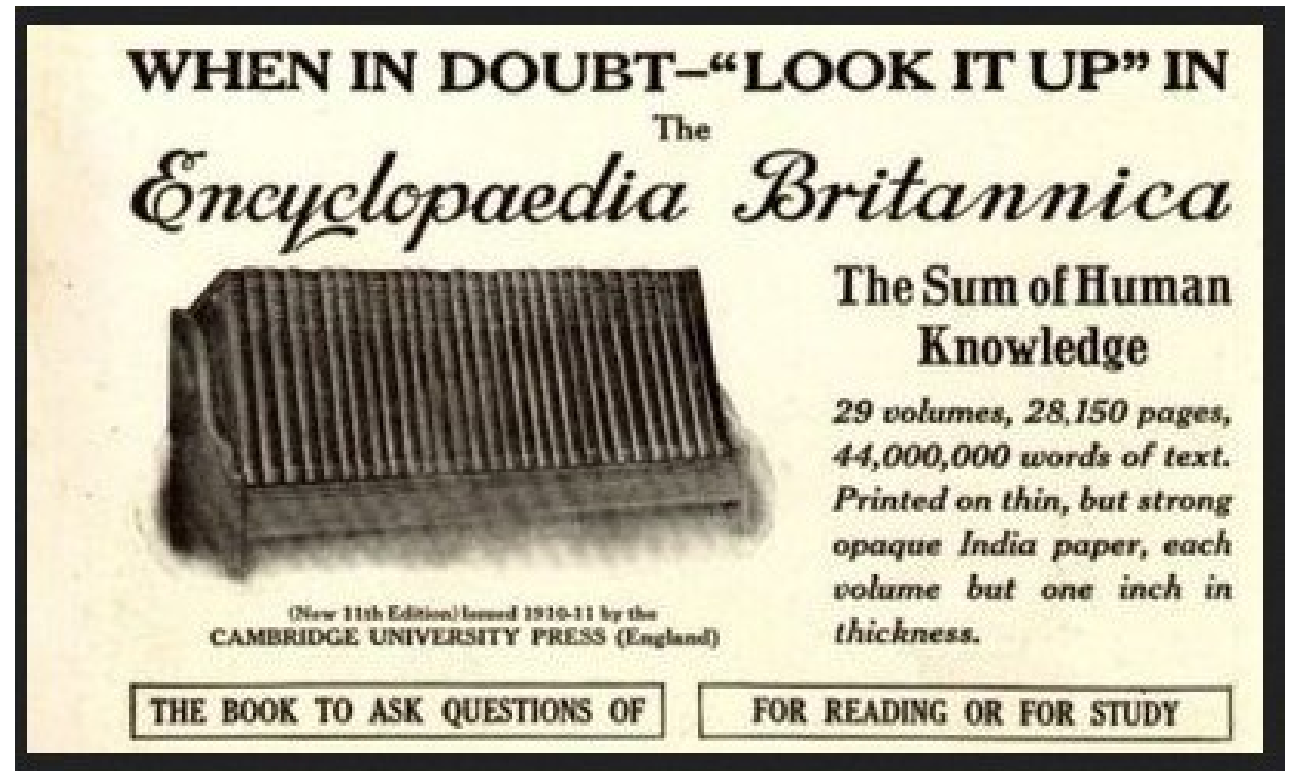


# An Encyclopedia can't be too big



We must not revert to rocket, balloon, and fairy

versus

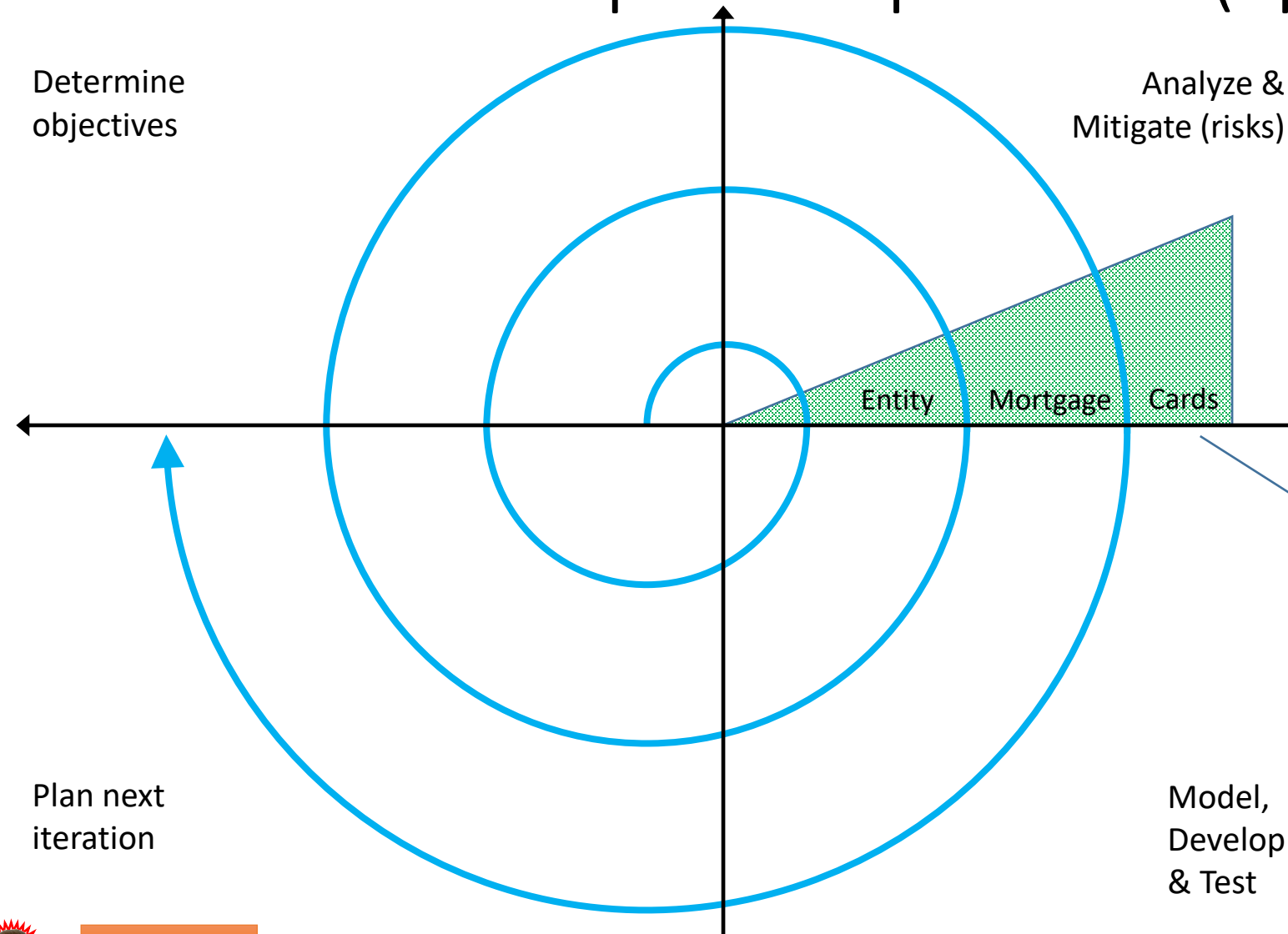


When in doubt - look it up in FIB-DM



Stakeholder

# Iterative development process (spiral or agile)



Cost for first iterations are low and remain under control

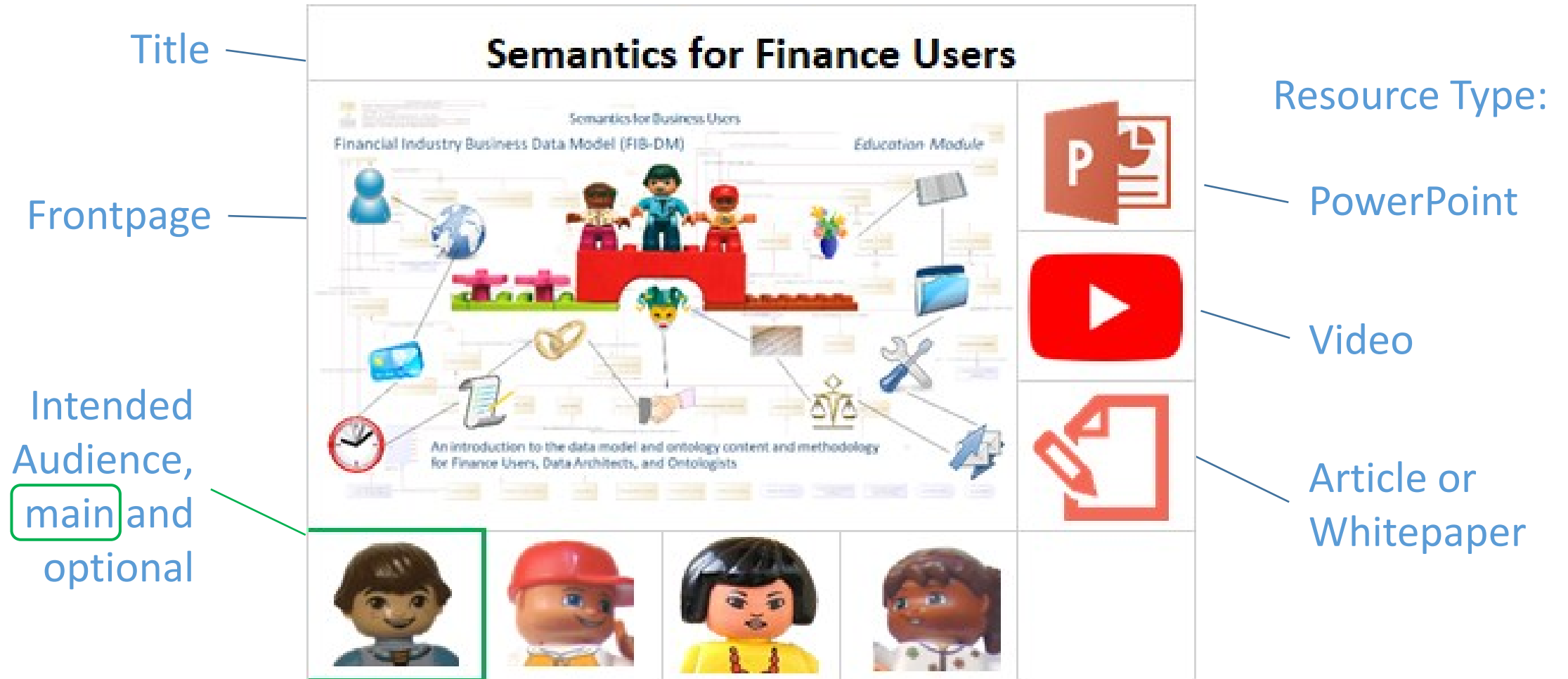
Deliverables provide a cumulative benefit



Stakeholder



# Data Model Education Resources (info cards)



Data Architect



Ontologist

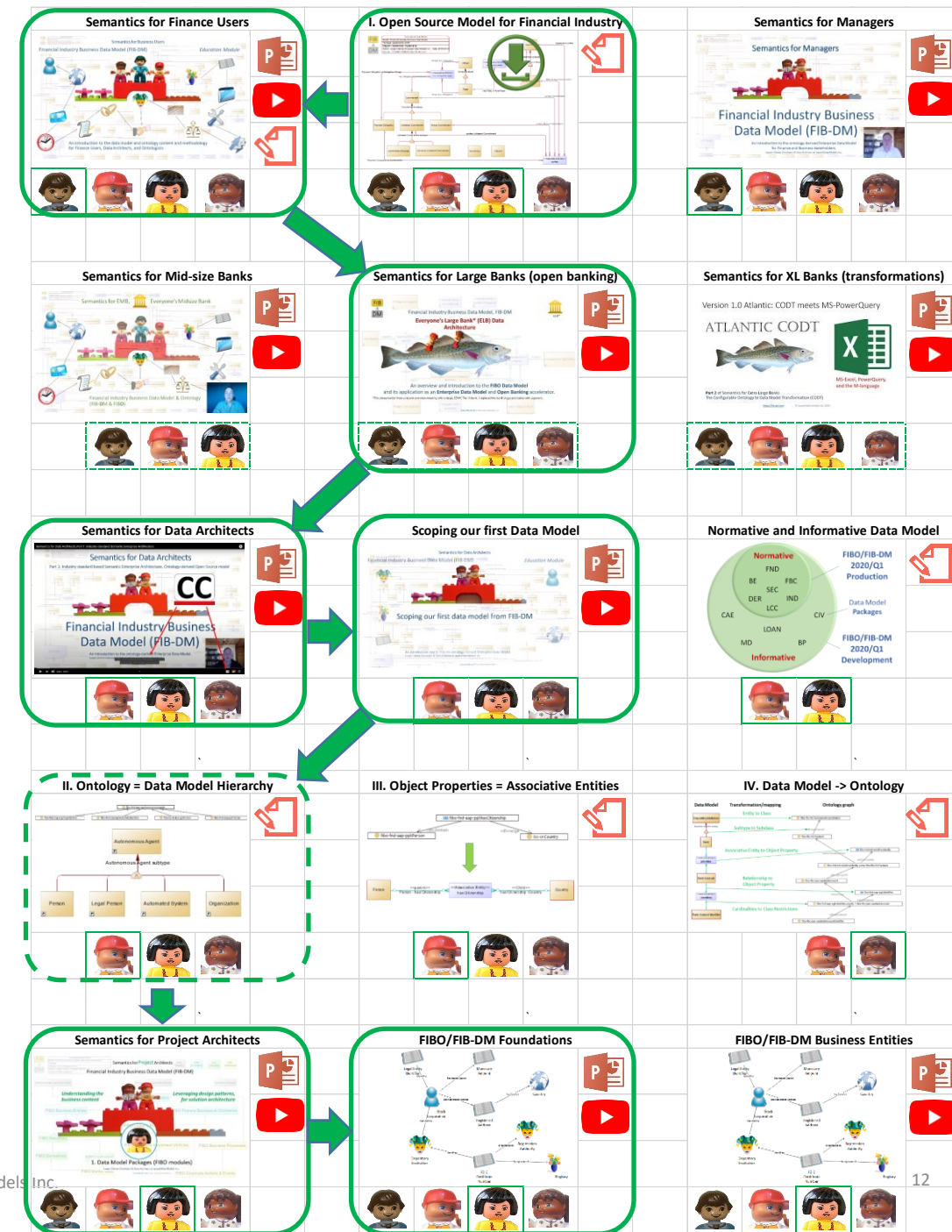
# Education path for Project Architects

1. You should watch and study the general introduction to the data model, Finance, and applicable midsize, large or extra-large bank first.
2. Then progress to Semantics for (all) Data Architects, and most important, Scoping Data Models from FIB-DM.
3. The in-depth treatment of ontology to data model mapping and transformation is optional.
4. Finally, study this overview of FIB-DM packages and deep-dives into subject areas.

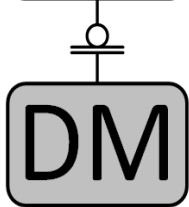


Project Architect

<https://fib-dm.com> © 2025 Jayzed Data Models Inc.



# Resources and next steps



The FIB-DM website: <https://fib-dm.com>

- PowerPoints for viewing and download
- Deep-dive articles
- Scalable SVG diagrams of packages and the complete subtype hierarchies.



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Watch FIB-DM Education videos on YouTube.  
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Ask your questions or schedule a meeting.  
[jziemer@jayzed.com](mailto:jziemer@jayzed.com)



Stakeholder

