

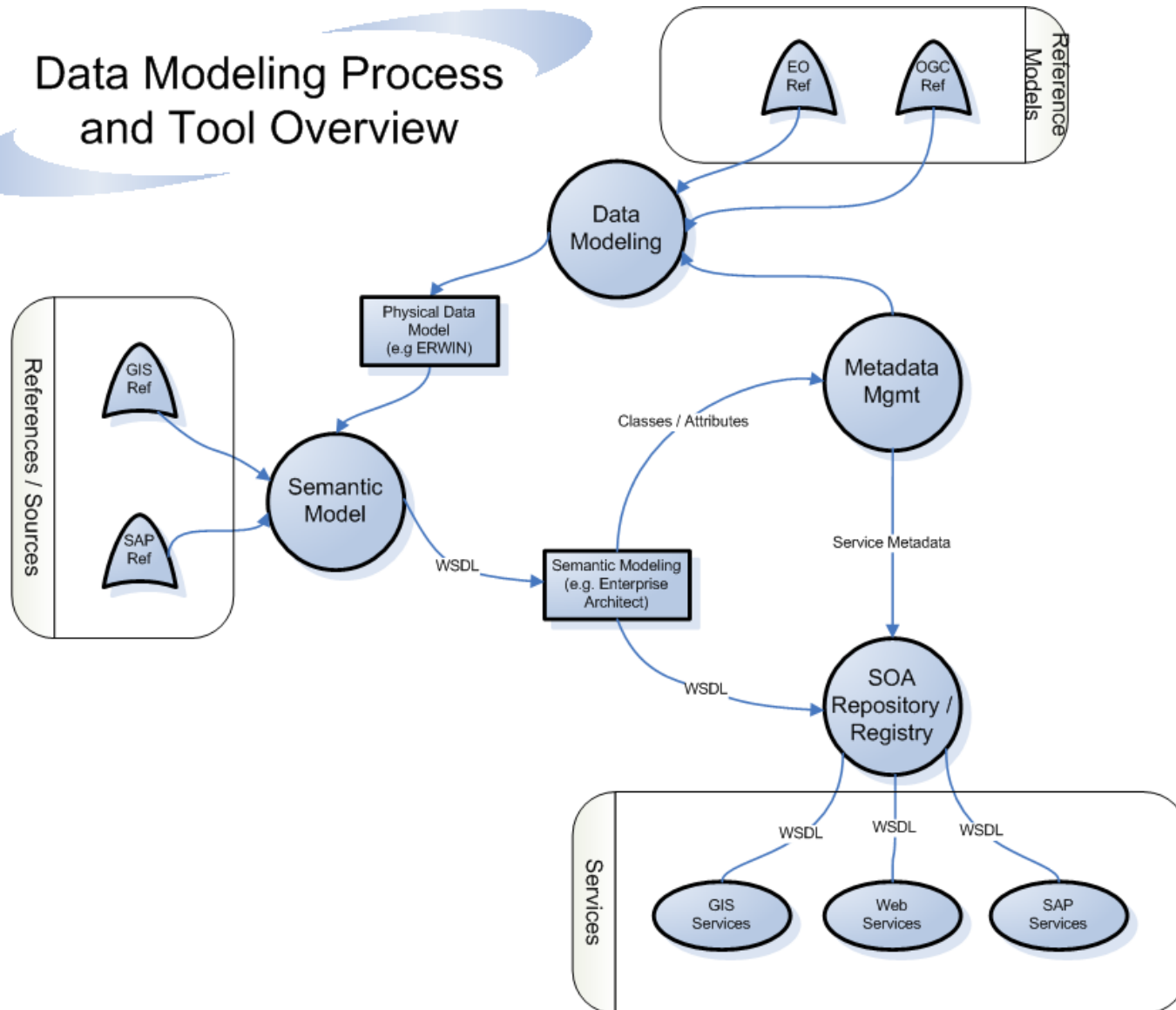


SCE Implementation of Metadata Management

**Current state and future
opportunities**

SCE Current Vision of Relationships to Metadata Management

Data Modeling Process and Tool Overview

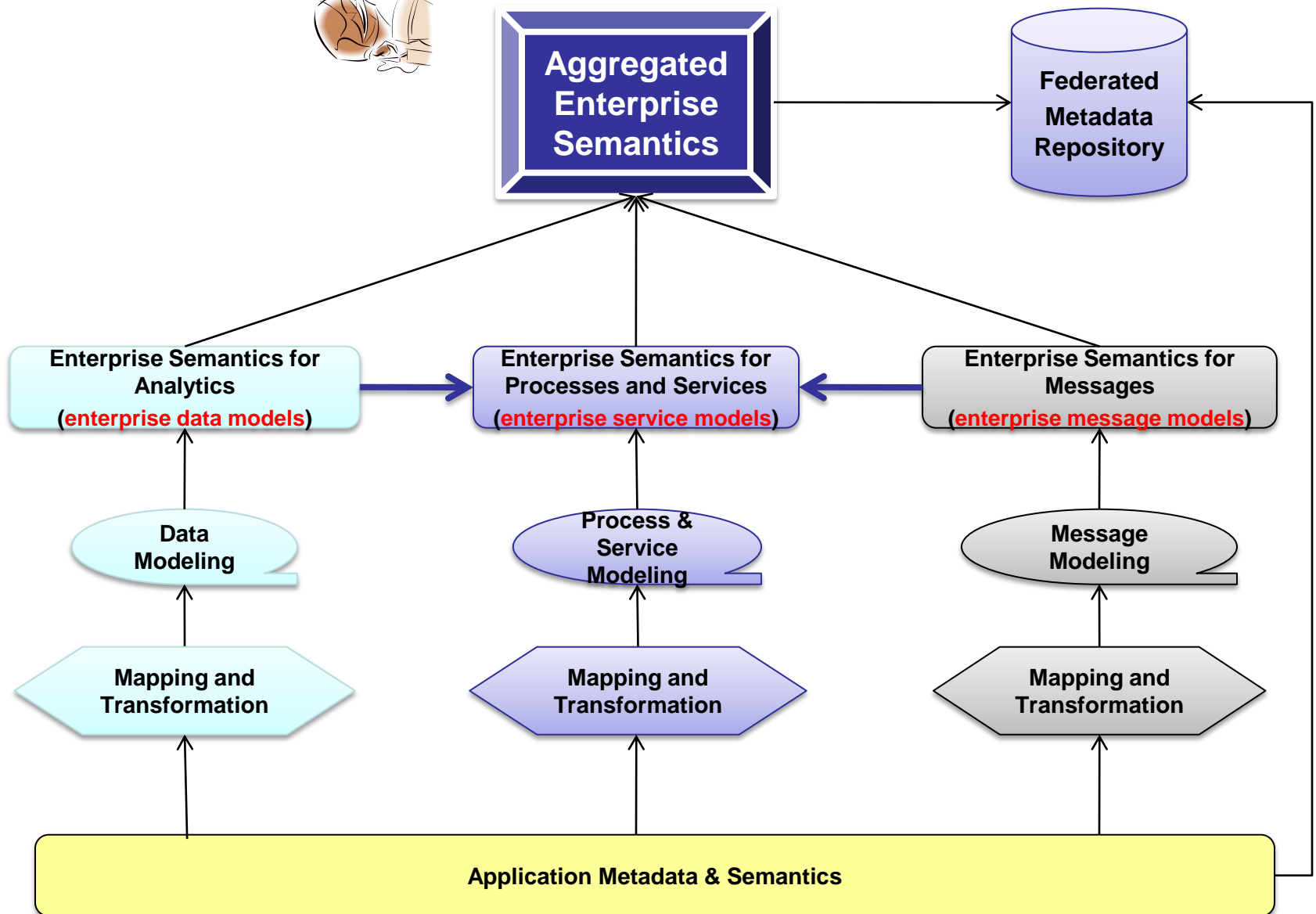


What is Metadata and Semantics?



- Metadata is data about data.
 - Business Metadata
 - Data models
 - Interface/message models
 - Semantic models
 - Business terms and definitions
 - Data classification
 - Technical Metadata
 - Process attributes
 - Application attributes
 - Database attributes
 - Interface/Service attributes
 - Reporting attributes
- Semantics is the meaning of Data, which can be expressed using models which itself is one kind of metadata

Xtensible View of Enterprise Semantics and Metadata Management



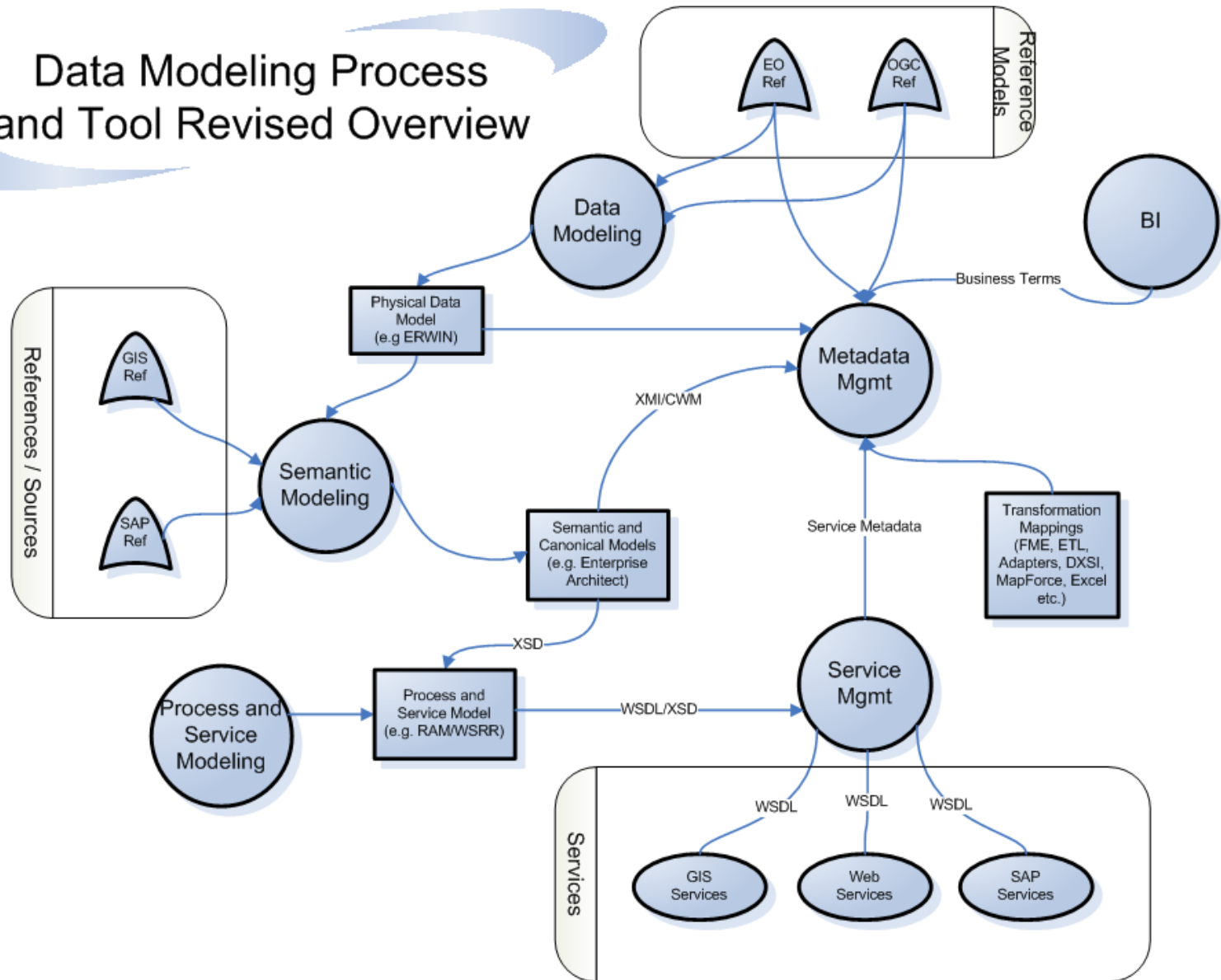
Xtensible View of Enterprise Semantics and Metadata Management



- Metadata management is extending from the business intelligence space to the operational space
- Federated metadata can become the BI for IT management
- Semantics creates continuity and linkage between the data models, the service models, and the message structures
- Application metadata needs to be included and mapped to support a fully integrated and linked metadata view of the enterprise
- Planned translations and transformations need to be managed to ensure that the data attributes are used consistently throughout the enterprise
- The enterprise semantics includes all of the transactional and analytical data with defined technical metadata defined to support its usage throughout the enterprise.

Xtensible's Expansion of Relationships to Metadata Management

Data Modeling Process and Tool Revised Overview

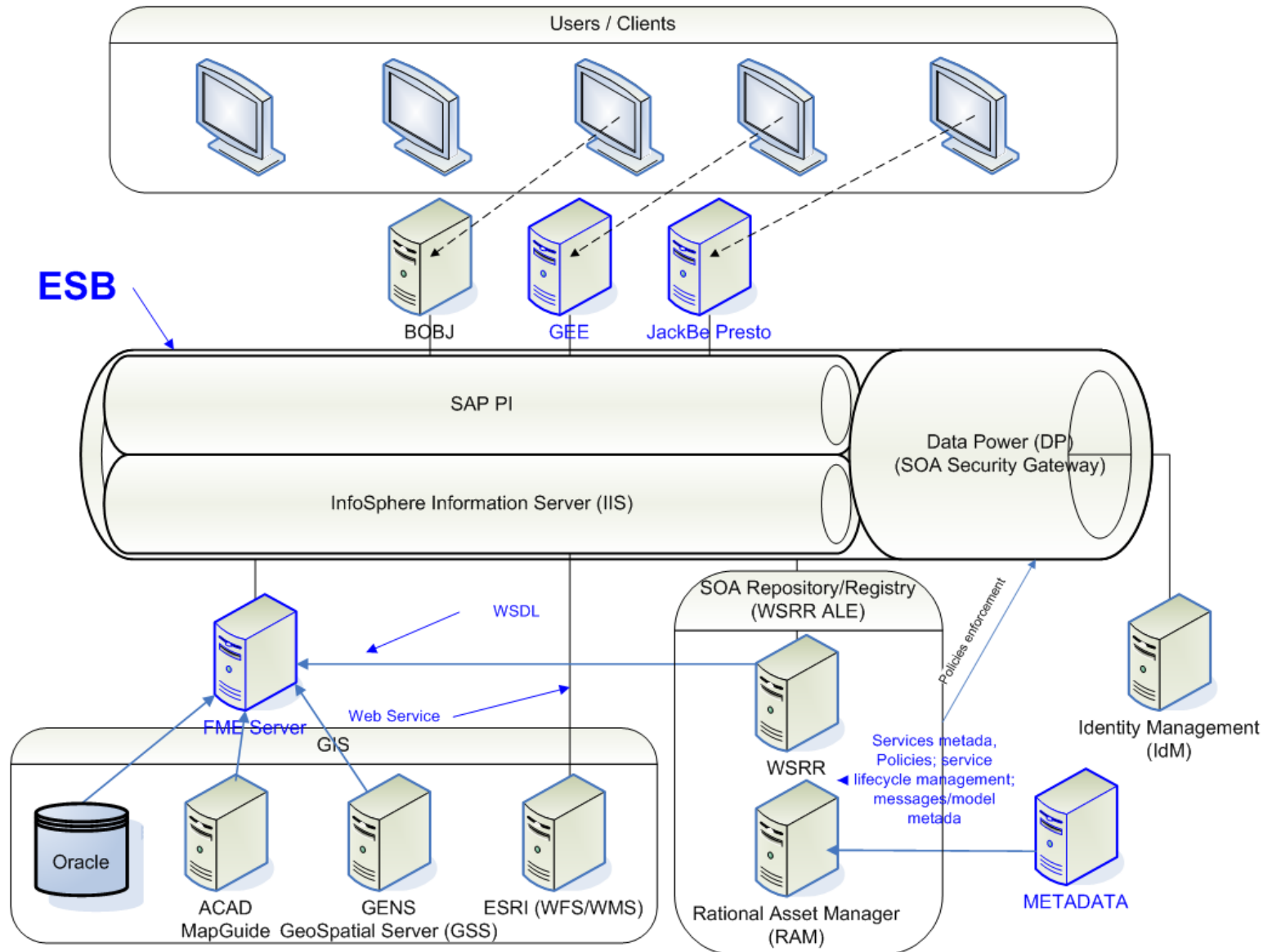


Metadata Management – Design Time



- Data consistency is gained as metadata management extends beyond BI into infrastructure, process, integration and data development.
- More data clarity is gained as more relationships are mediated through enterprise metadata management
- More data is reused as more relationships are mediated through enterprise metadata management.
- Enterprise metadata management adds a level of governance to the design of message and service models

SCE Logical Implementation View



Metadata Impacts on SCE Logical Implementation View



- Enterprise metadata management primarily impacts design activities
- Enterprise metadata management can reduce implementation risk around service creation
- Enterprise metadata can reduce pressure on infrastructure components by creating larger data or message groupings which are easier to manage
- Enterprise metadata management reduces the number of services that have to be created to support data exchanges

SCE Metadata Management Roadmap Considerations



- Establish requirements and value proposition to the enterprise
- Establish architecture framework and vision for enterprise metadata management
- Select key technology components, and build a set of Proof-Of-Concepts, ideally leverage an on-going project needs.
- Select a technology vendor product
- Apply it to a selected and controlled set of projects and business areas to show initial success and value.
- Capture lessons learned and refine architecture/technology/tools where necessary.
- Ready for enterprise wide roll out.