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# BMEtool project

Business Modelling at  
Technological, Operational and  
Organisational Levels

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# Scientific-technical goals

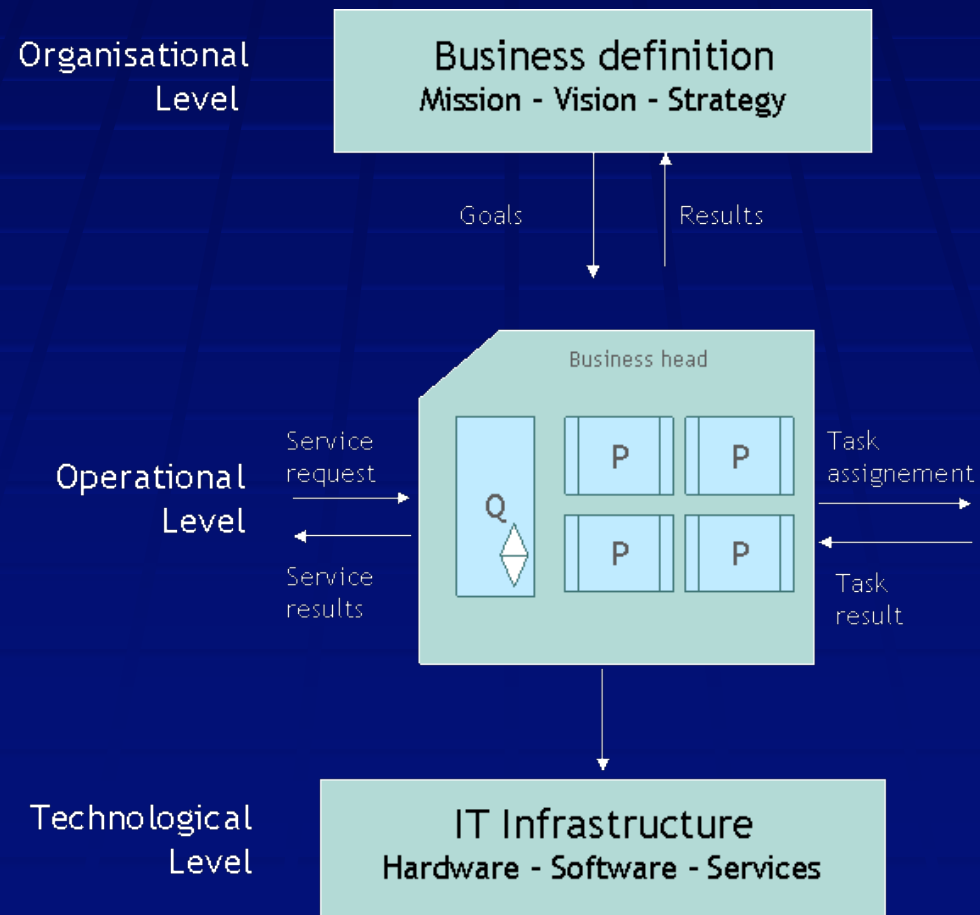
The challenge is how to achieve an adequate combination of business modelling and a middleware integration support based on services and service ontology.

## Considerations

- Separate the business or application logic from the underlying platform technology and represent the business logic with precise semantic models.
- Digital business ecosystems as a research area that aims to provide SMEs an environment that enables these organisations to cooperate and create dynamic virtual organisations
- Different kinds of inter-operability recently defined by the EIF - European Inter-operability Framework. ICT Industry Recommendations - BRUSSELS, 18 FEBRUARY 2004

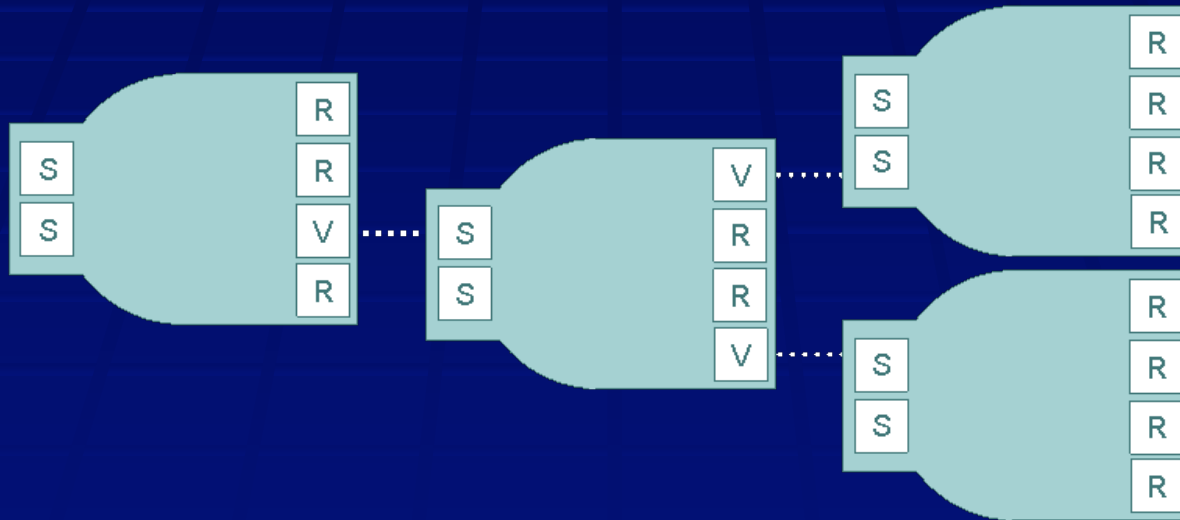
# Modelling approach

Modelling will be done at three levels



# Integration approach

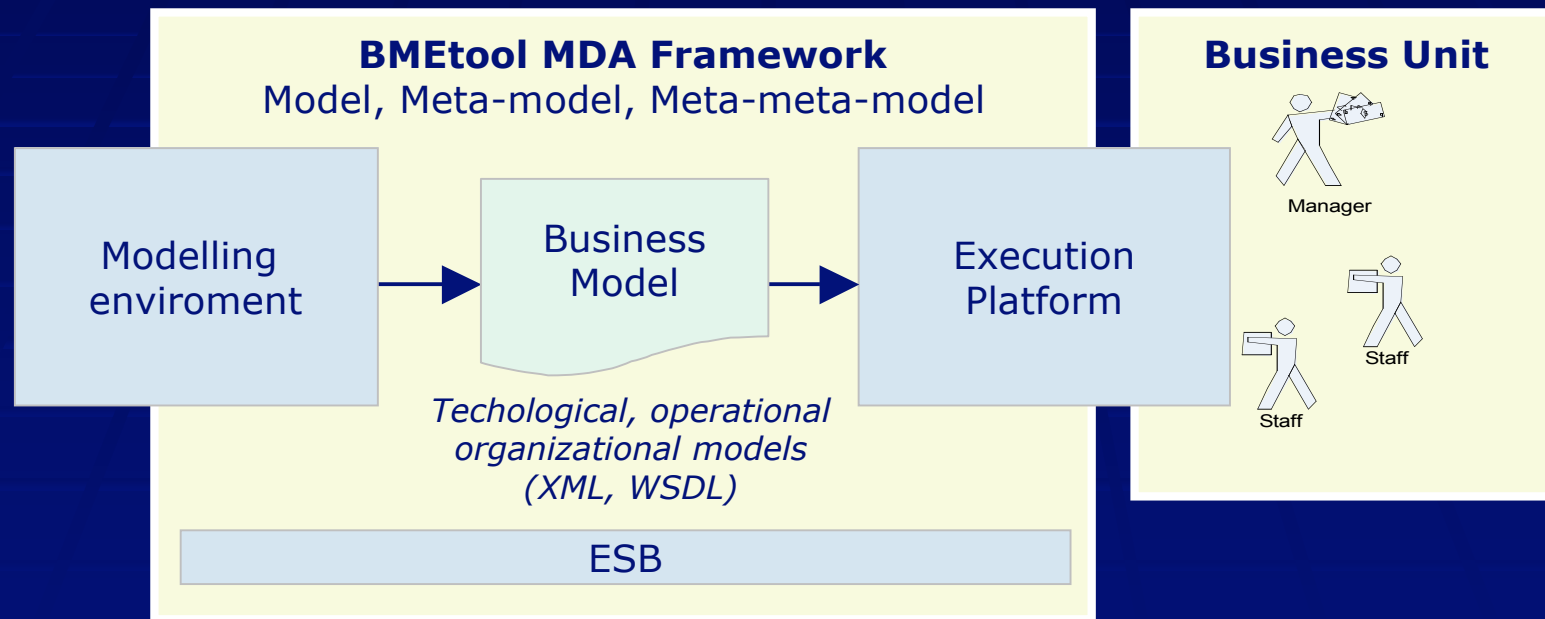
Models will enable to couple business units making their composition and their internal assignments transparent to the outside.



Supporting Digital Business Ecosystems

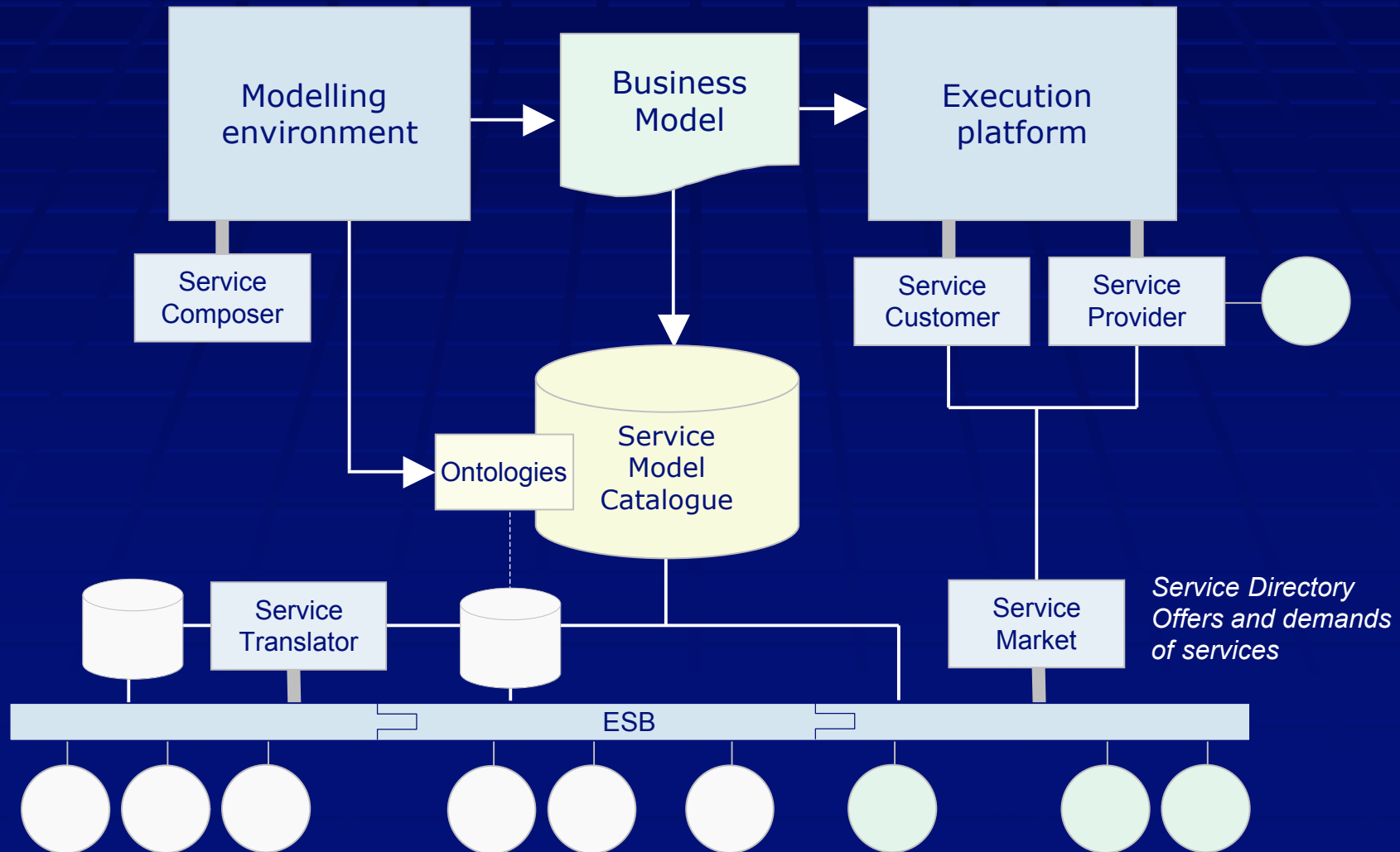
# Architectural approach

- The initial concept of the architecture is inspired in two technological approaches: Model Driven Architecture and Enterprise Service Bus.



- The execution platform will integrate the concept of an ESB, or Enterprise Service Bus. An ESB is a type of middleware designed to respond to the integration needs of companies based on Service Oriented Architectures (SOA).

# Preliminary architecture



# Thanks for your attention

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