

The “IDEAS” architecture and integration methodology for integrating enterprises

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Programme

- What is it - where are we?
- The Architecture
- Integration and Mapping Methodology

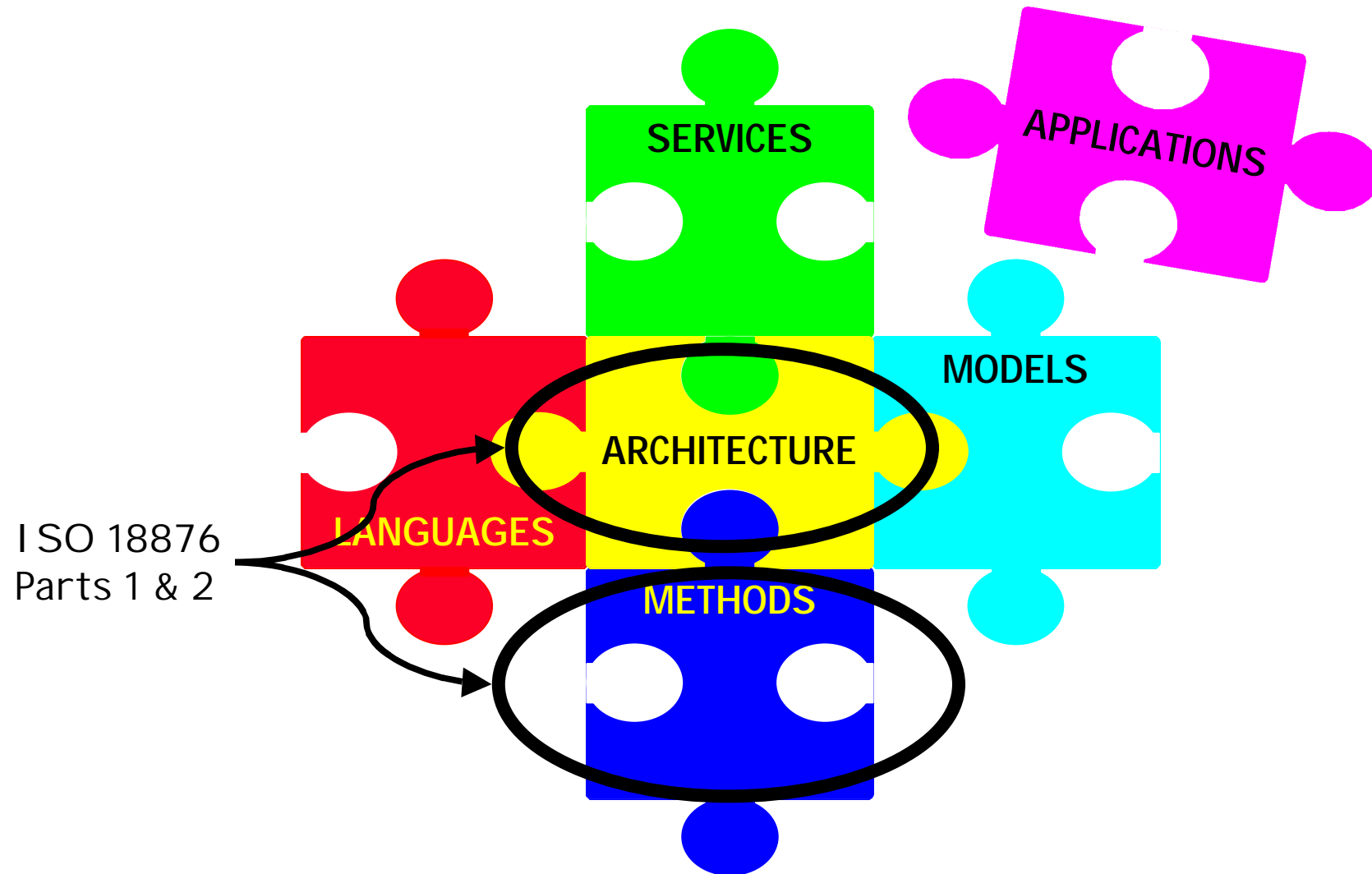
Requirements

- Support Data Integration & Sharing
 - Consolidation of different data sets
 - Integration of different data models
 - Use of different data modelling languages

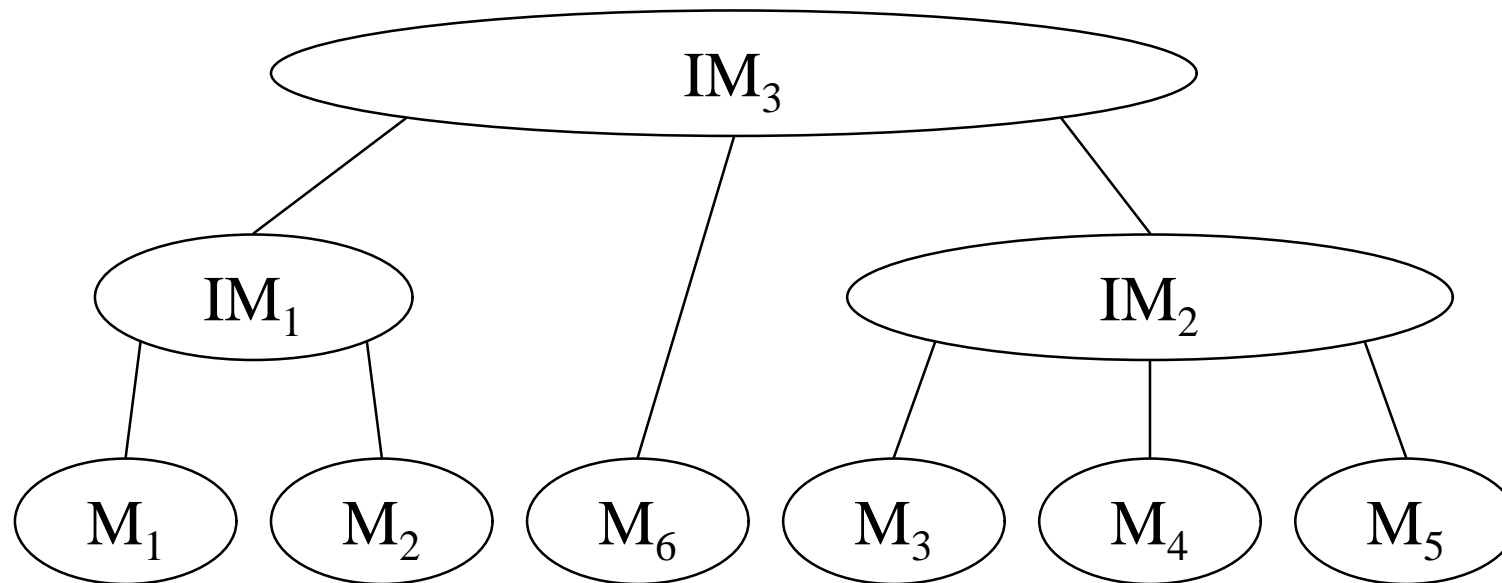
Status

- Work proceeding in ISO TC184/SC4/WG10
- Preliminary Work Item initiated 1997
- Regular workshops
- Documents produced, circulated, discussed, revised, ...
- Initial New Work Item Proposals Q4 1999
 - directed to ISO Technical Specifications
 - ISO 18876 Parts 1&2
 - <http://www.iso18876.org/>

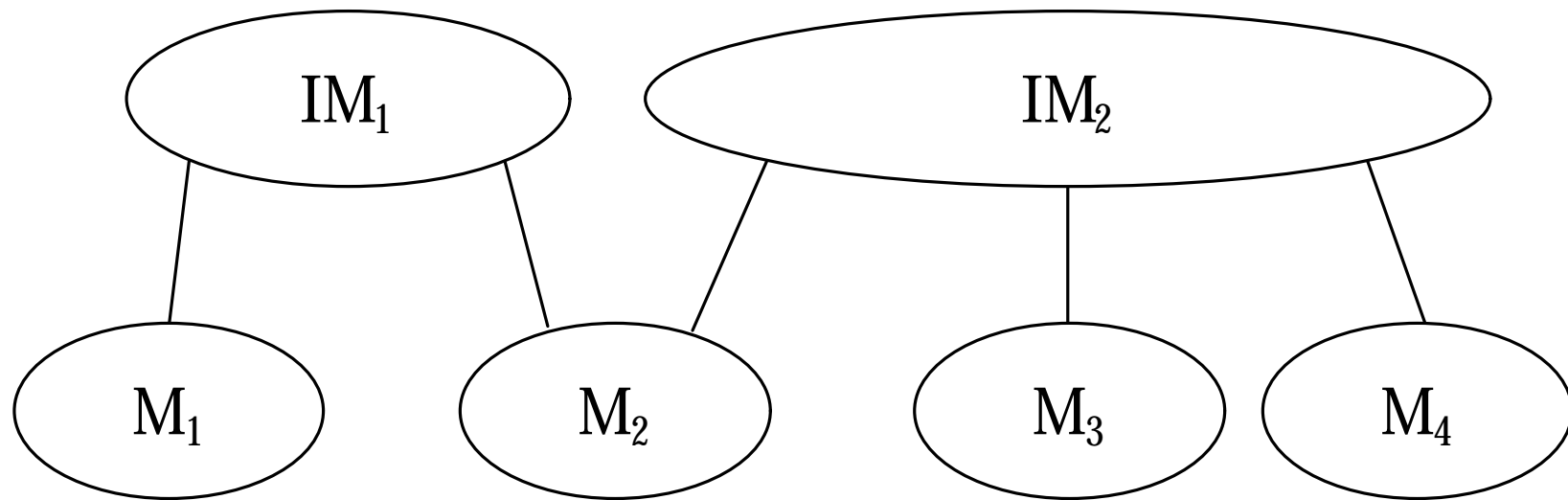
Standards Architecture



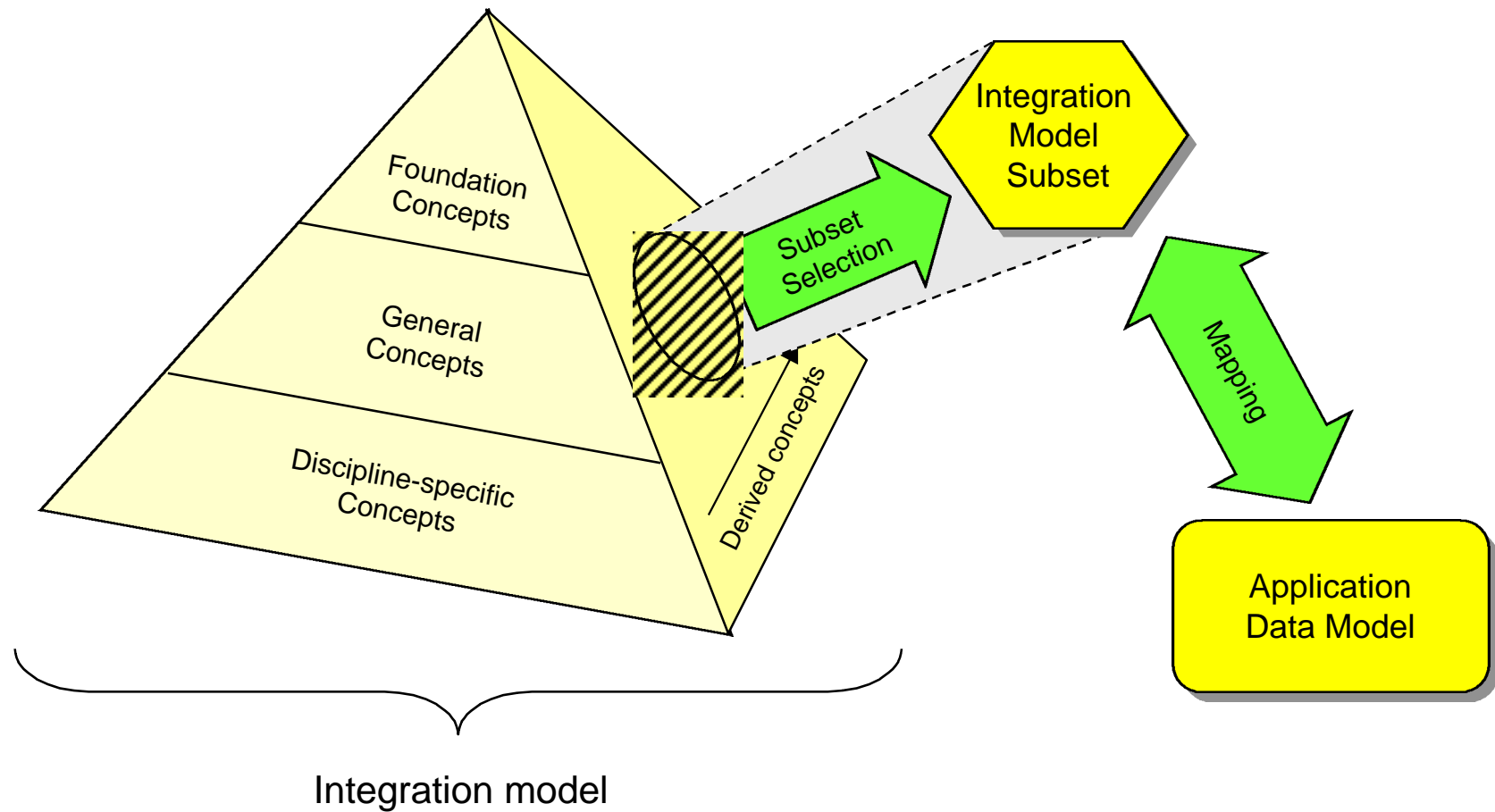
Integration models



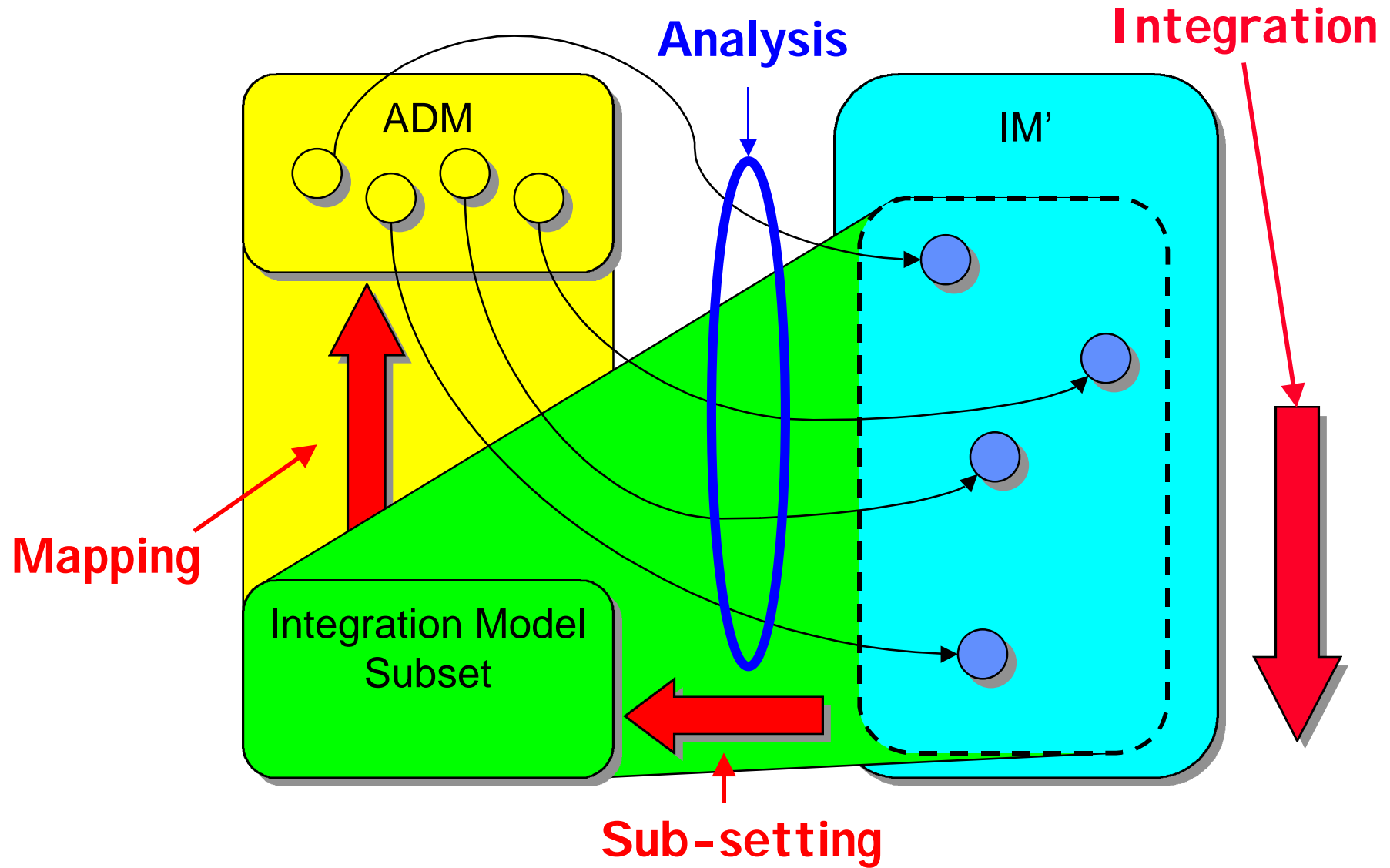
Federation



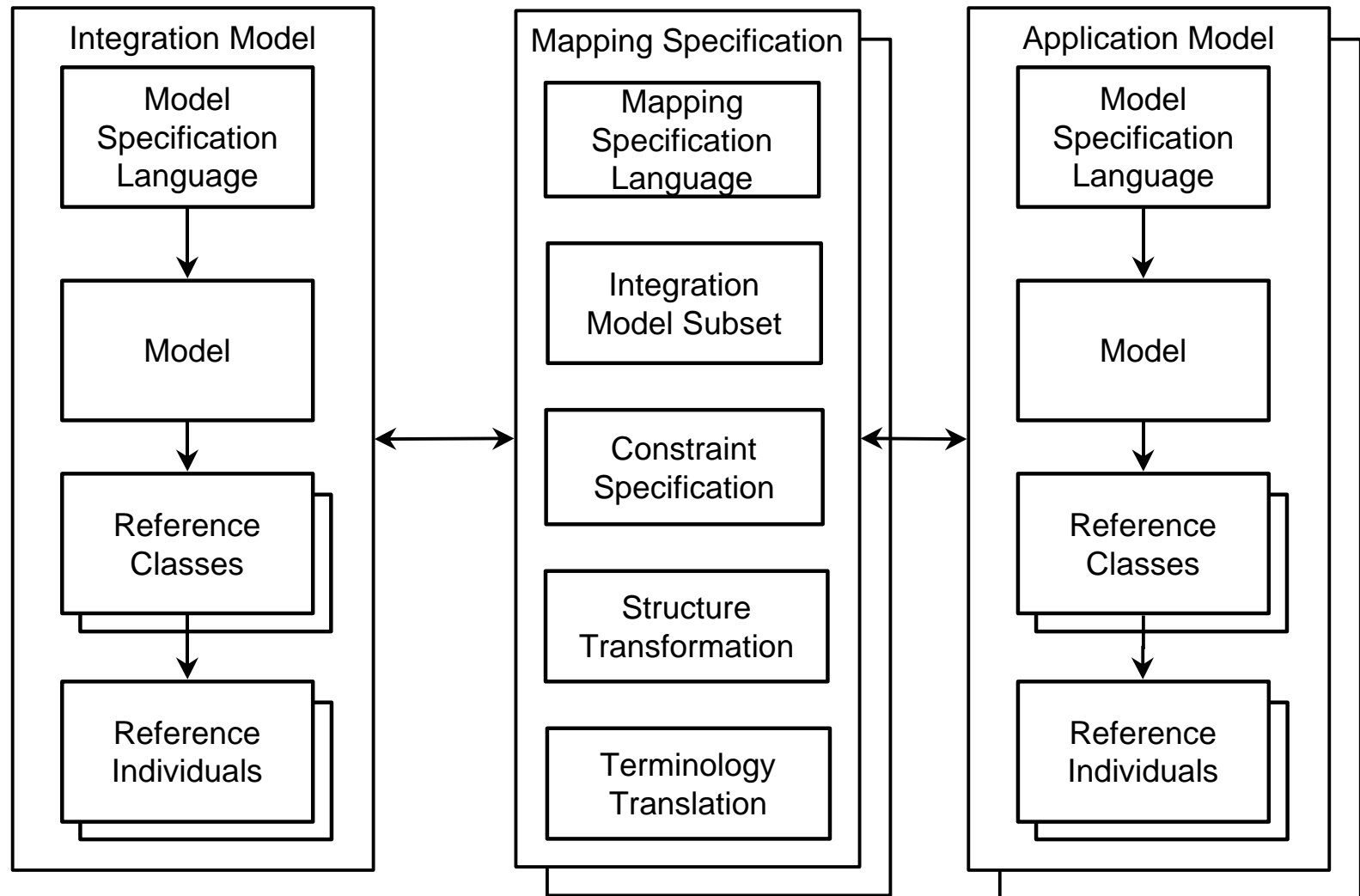
Integration Architecture



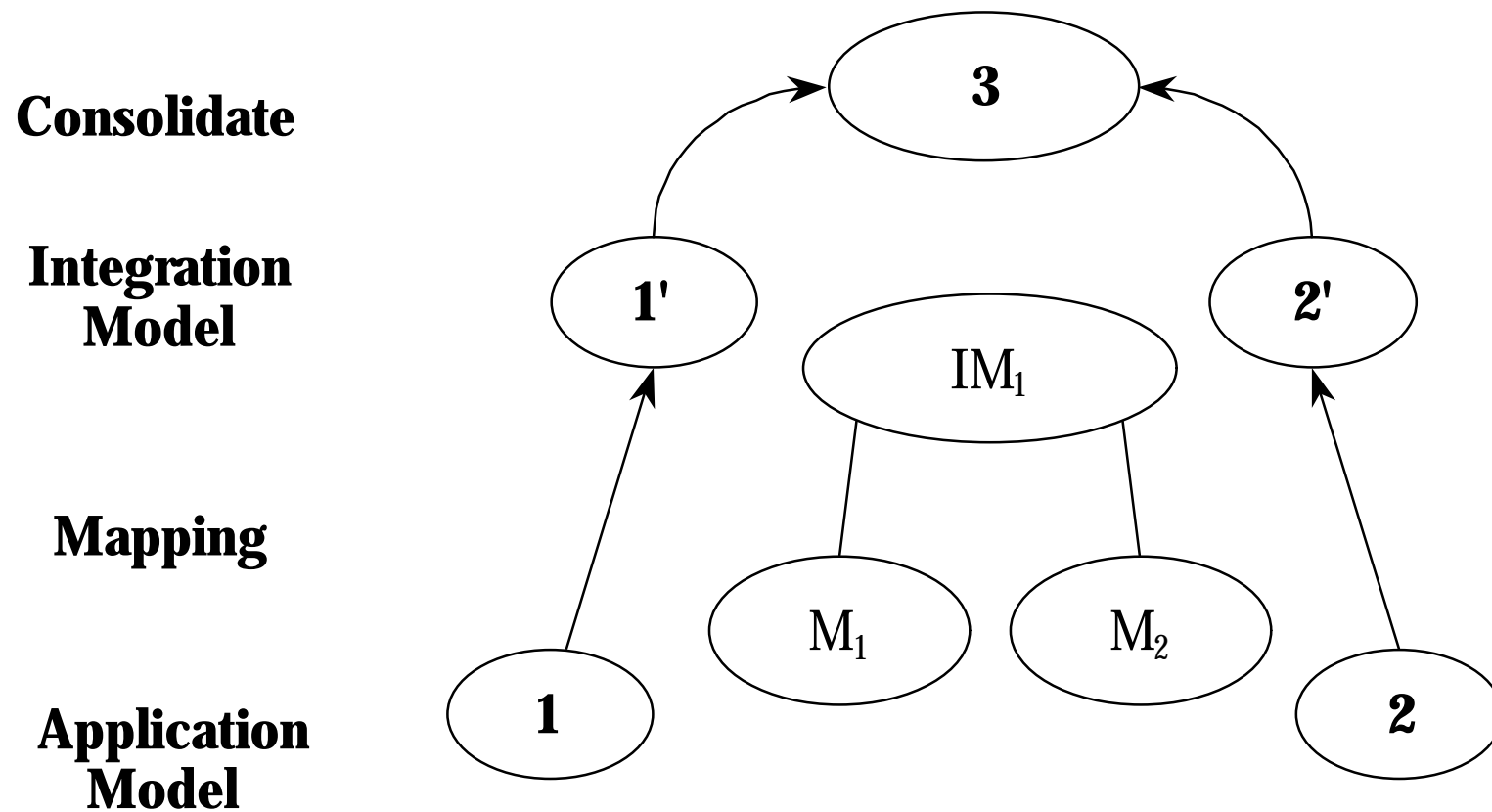
Integration vs. Mapping



Organisation



Consolidation



Exploitation

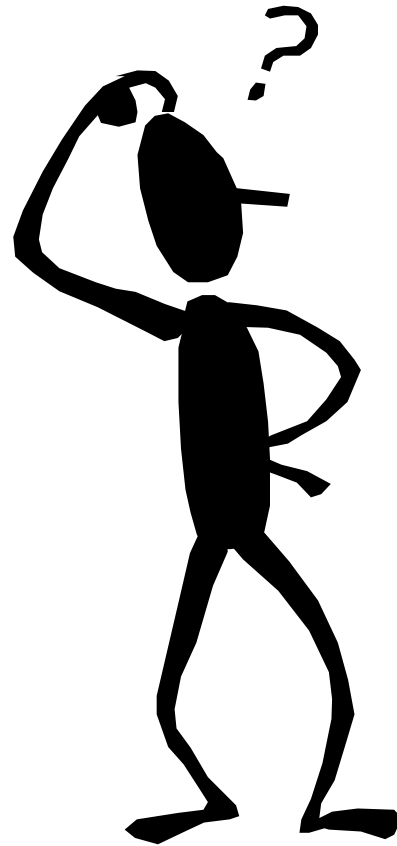
Some commercial projects take an interest:

- Master Reference Data Project – Shell, and
 - The Shell Master Reference Data Project is a pilot project that is part of Shell's e-Architecture initiative, designed to make a range of back office systems like SAP available for e-business.
- Multiview – a US DLIA funded project.
 - Multiview is aiming to integrate information across a range of application systems using a shared data environment, and for which ISO 18876 is seen as one of the contributing standards.

Conclusions and Next Steps

- This paper has presented the IIDEAS architecture and methodology, which is capable of supporting the wide spread integration of information.
- It will also be necessary to develop more specific guidance on how to apply IIDEAS in particular circumstances such as particular modelling languages such as EXPRESS, and particular integration models such as ISO15926-2.

Questions?



<http://www.iso18876.org/>