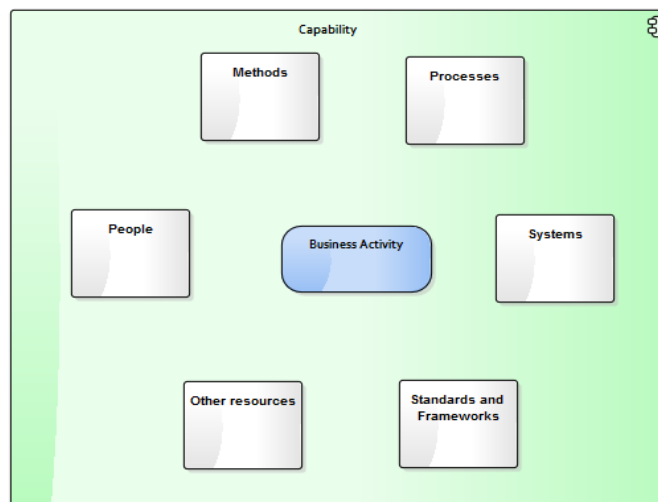


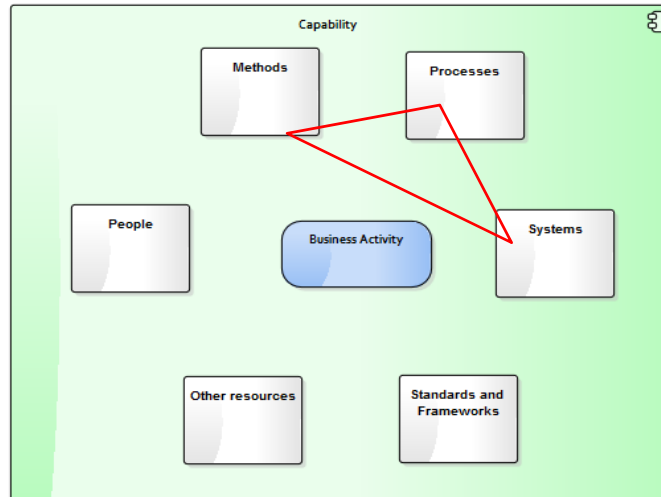
5.2 SBR System and information technology requirements

Australian experience

Capability Architecture



Capability Architecture



Business Process Mapping (BPM)

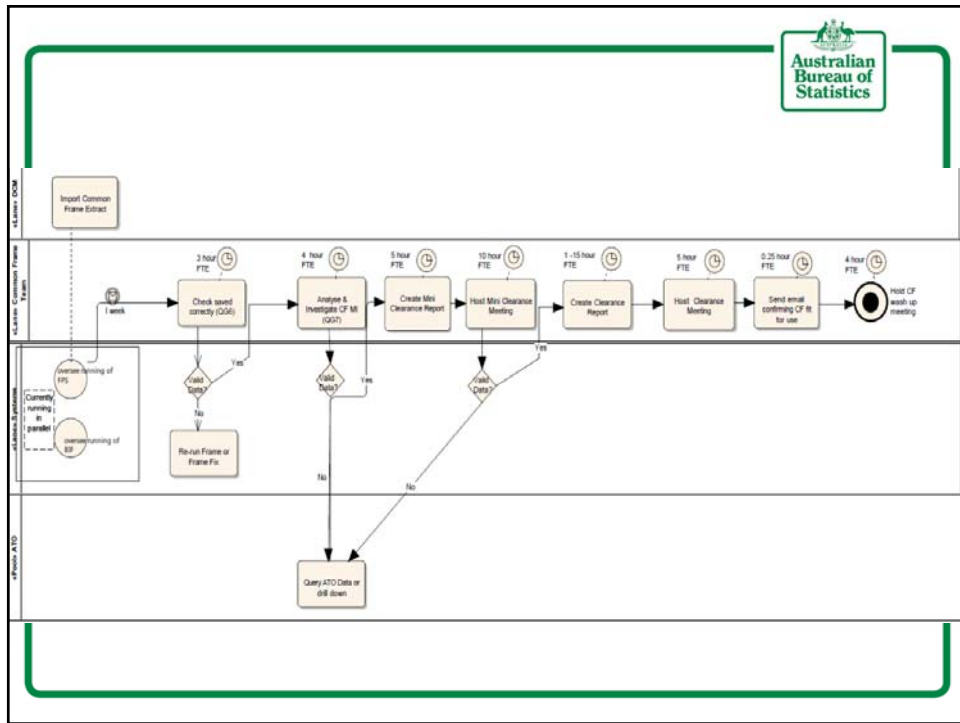
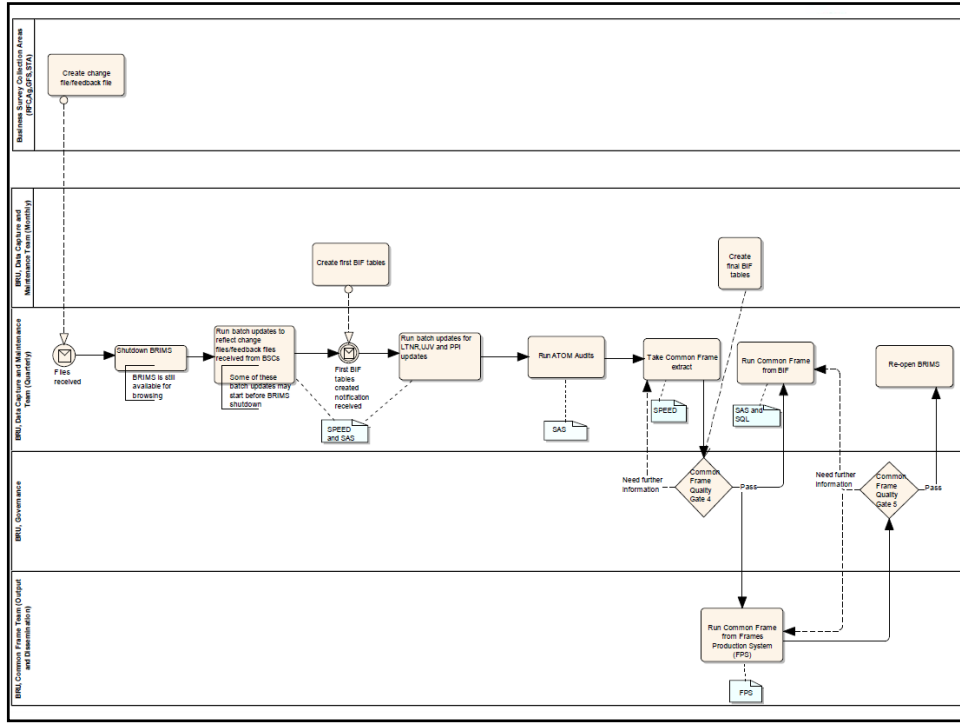
- Involves end to end mapping of BRU processes
- Important tool to understand full extent of BRU processes, dependencies, relationships and data transformations
- Use Enterprise Architect (Sparx) software: a visual modelling and design tool

Business Process Mapping (BPM)

- Concept of role based lanes/pools- not team or individual based
- For example, in any given process map sign off of quality gates falls in the 'Governance' lane/pool as opposed to a manager in a specific team
- Promotes consistency and coherence across business process maps

Business Process Mapping (BPM)

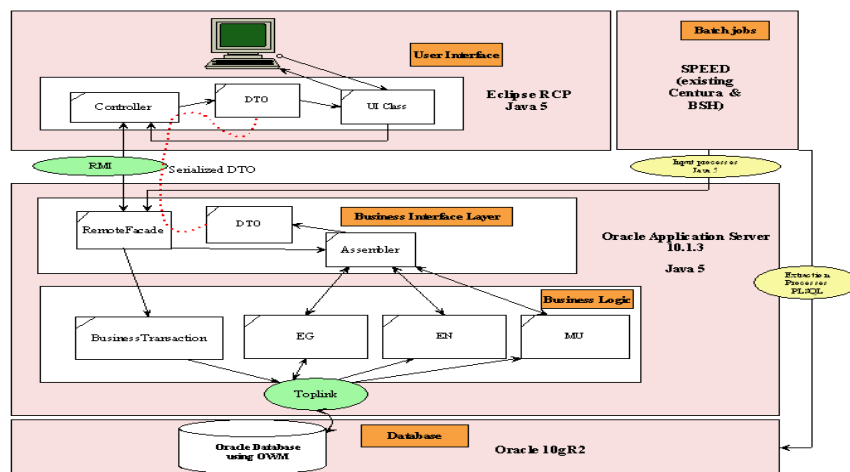
- Enterprise Architect focuses on inputs and outputs of a business process
- Inputs: data, systems, human resources and time
- Outputs: successful creation of Common Frame, survey frames, etc.



Evolution of ABS SBR System

- Previously used Inteframe (Fujitsu)
 - Object oriented database
 - Customised for ABS
- Moved to BRIMS in 2008
 - Relational (Oracle) database
 - Improved integration with other ABS systems
 - Improved IT support

BRIMS Architecture



Current ABS SBR Systems

- Business Register Information Management System
- SAS
- SQL Developer
- Information Data Warehouse
- Microsoft Excel

Some of the features of ABS SBR System

- Snapshots of:
 - Live register (BRIMS): Monthly
 - Common frame: Quarterly
- Key linking variable: Australian Business Number (ABN)
- Survey area access to BRIMS

Functionality requirements

- Data Security!
- Accommodates units model complexity
- Integration of multiple sources of data
 - Unique identifier
 - Avoidance of data duplication
- Data versioning / history
- Capacity (storage; processing)
- Archiving

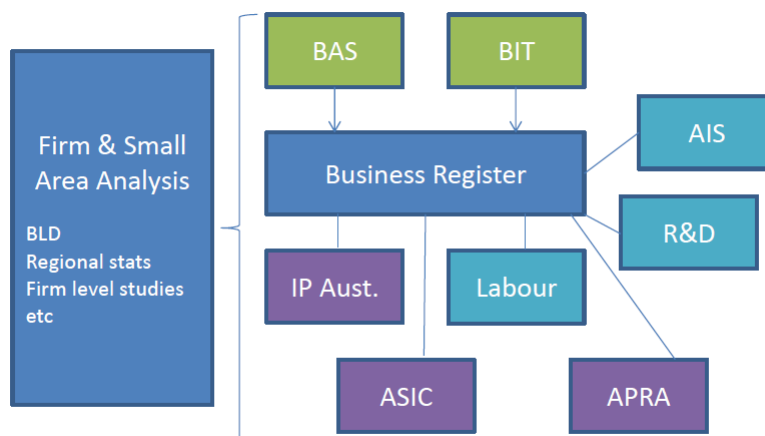
Functionality Requirements (cont.)

- Metadata driven systems
 - Coherence
 - Standards & Classifications evolution
- Interaction with provider management systems/feedback loops
- Geospatial data
- Visualisation
- Analytical capabilities

Other considerations

- Data updates
 - Change file or full reload?
- Timetables
 - scheduling of jobs?
 - Concurrent/sequential processes?
- Staff roles

Future directions?



Discussion points

- What is the relationship between your IT division and SBR team?
- What are the upstream/downstream data formats required?