

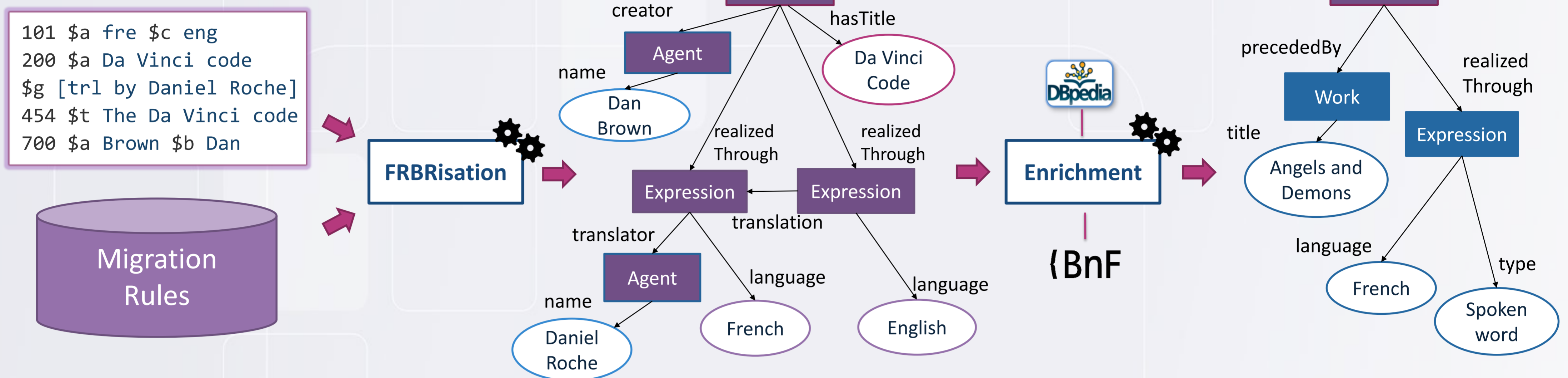
Case-oriented Semantic Enrichment of Bibliographic Entities

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Context Evolution of Digital Libraries towards Semantic technologies requires to migrate and enrich the existing bibliographic records. Yet building these processes is still a very challenging task...

Semantic Enrichment Process



Challenges

- Tuning of FRBRisation tools
- Information Extraction
- Entity Matching
- Knowledge Fusion

Contributions

- Benchmark for the interpretation of bibliographic records
- Design of a Case-oriented model
 - Based on FRBR and bibliographic patterns
 - Hierarchical dependency between cases
- Case-based enrichment process with Linked Open Data

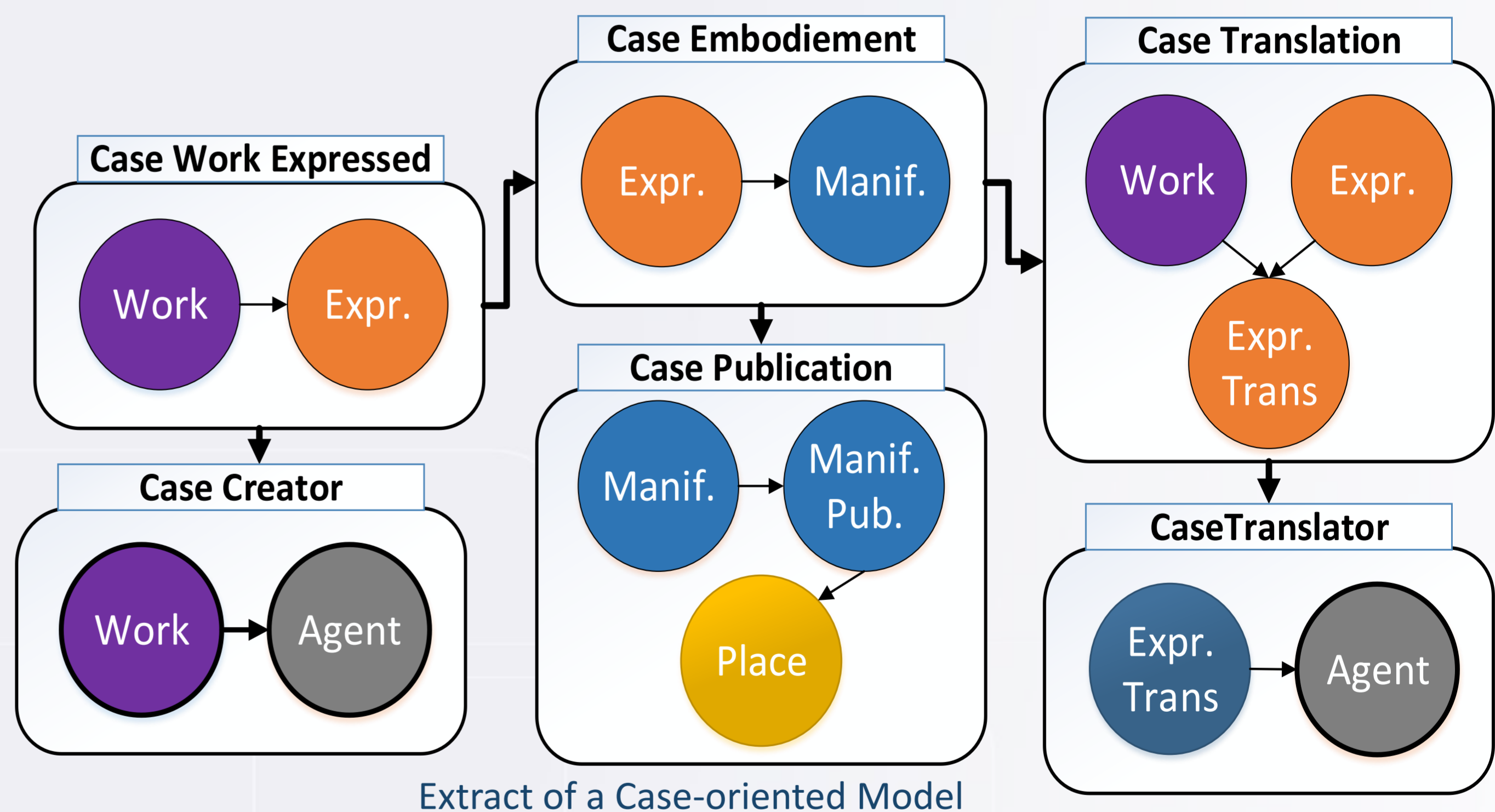
Focus on the Case-oriented model

Characteristics of a case

- Describes a bibliographic pattern
- Contains conditions and mappings
- Managed independently

Benefits of the model

- Eases the design of migration rules
- Prevents useless computations
- Facilitates the extraction of entities from catalog or external sources



References

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