

How can we improve Ontology-Based Data Access Mapping Generation using existing knowledge?

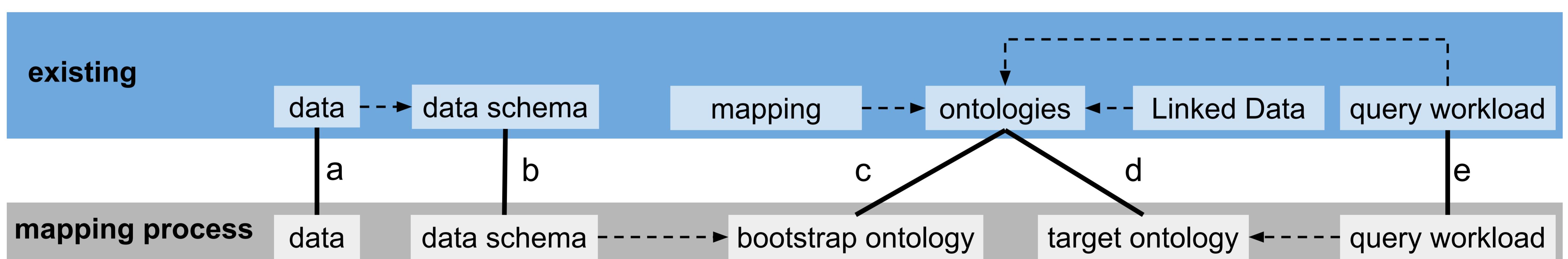
Solutions to generate these mappings exist, but complex challenges still remain:

dealing with complex data (schemas)

apply multi-scenario techniques on single-scenario use cases

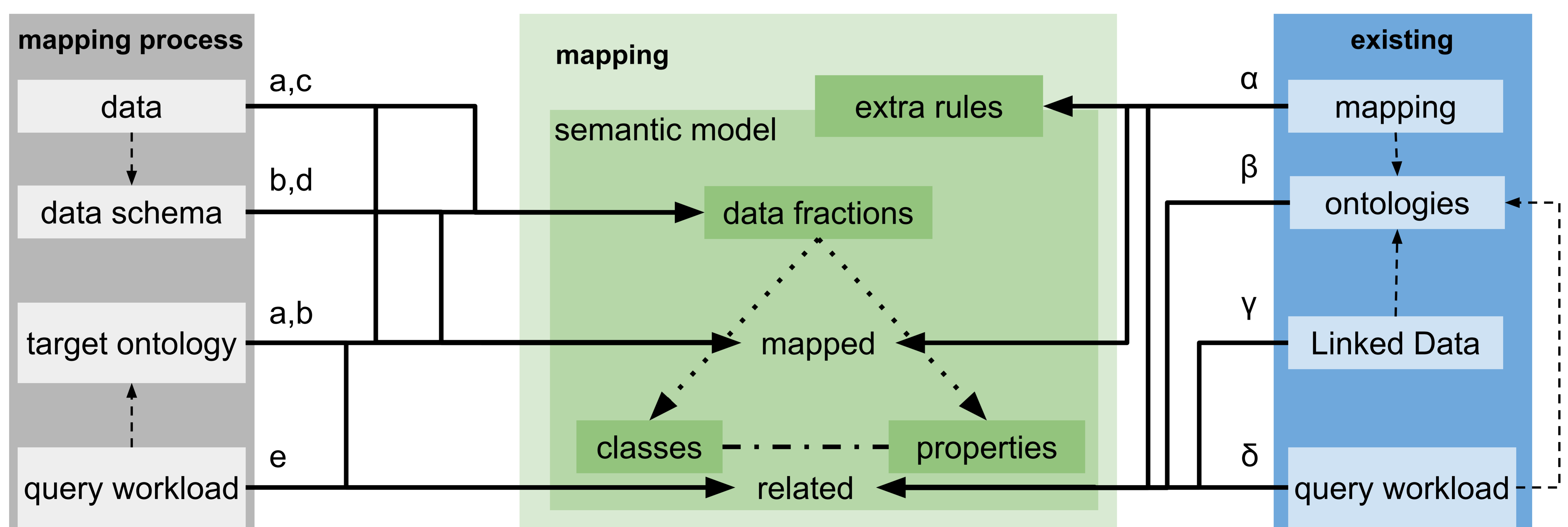
Knowledge to resolve these challenges can be found in existing (Linked) Data, Schemas, Queries, and Mappings (DSQMs).

How do we discover these DSQMs?



What similarity metrics can be used to select the relevant DSQMs?

How do we use these DSQMs?



How do we integrate the knowledge from the different DSQMs?

How do we apply the knowledge to the use case at hand?