

Academic Chair in Business Intelligence



Extraction of interaction graphs from a relational database using the SPIDER-Graph model

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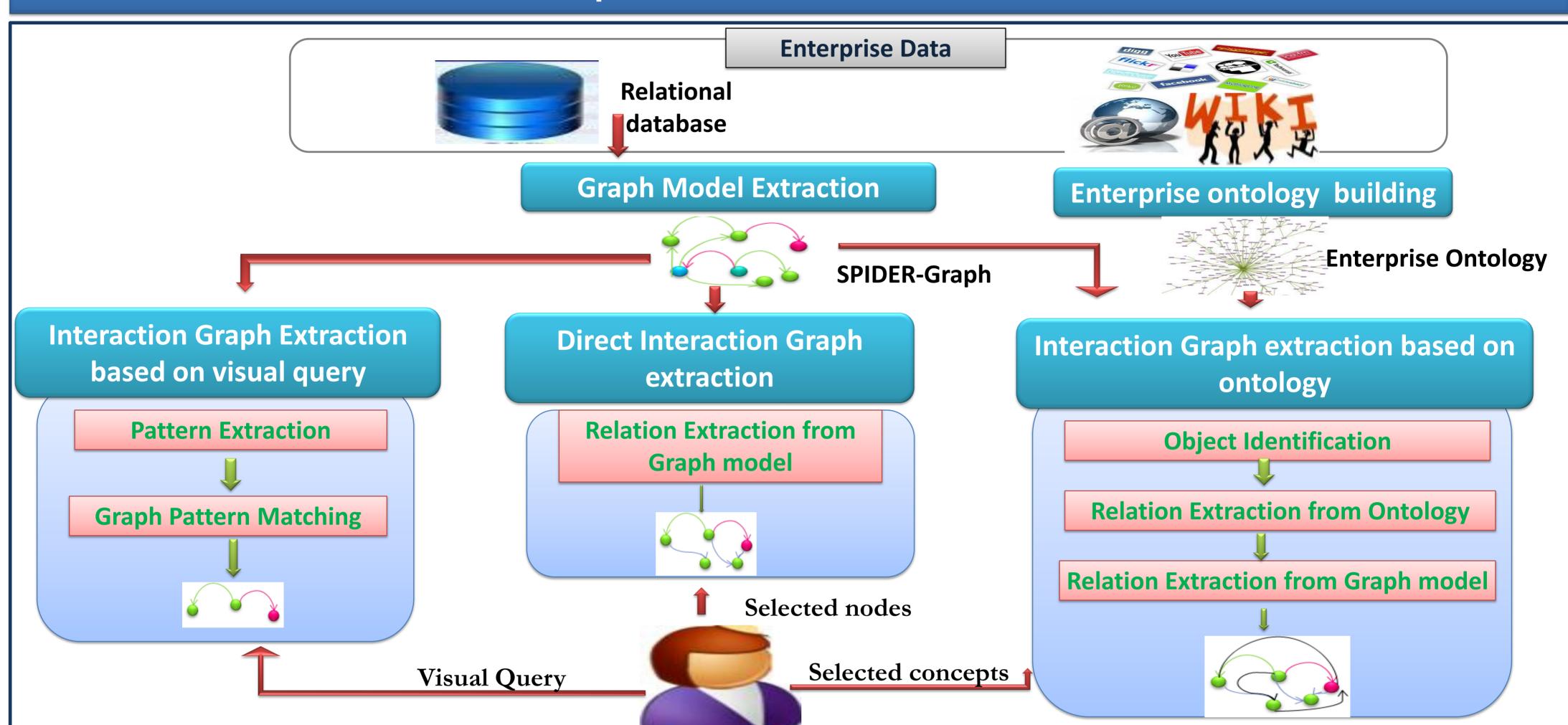
Context and Motivations

- People need to visualize different types of interactions between heterogeneous objects :products and sites, customers and products, social network,etc.
- Benefits of interacting with graphs :
 - Facilitate querying : graph query languages
 - Facilitate analyze: graph analysis approach, social network analysis,...
 - Facilitate visualization

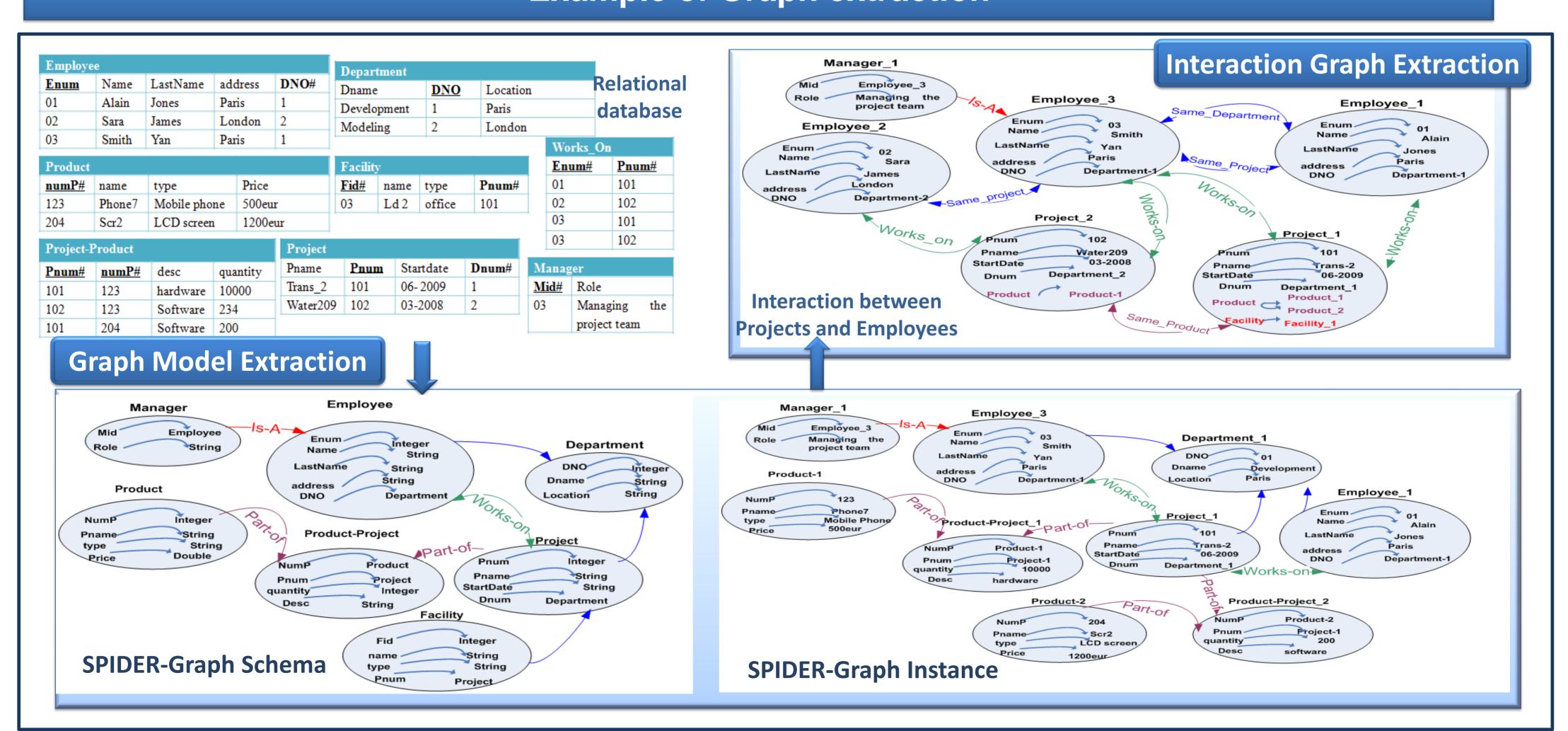
➤ Business context, information is stored in: files, databases and especially relational databases.

Solution: Extract Interaction Graphs from relational databases

Interaction Graph Extraction From relational database



Example of Graph extraction



Publications