

## Long-term goal I

- Aim: Combining Provenance Queries, Data and Schema Evolution  
⇒ CHASE-based methods
- CHASE:
  - Chasing dependencies into databases or queries
  - Applications: Query Reformulation, **Data Exchange**,  
**Inverse Schema Mappings**
- Evaluation query: s-t tgds  
⇒ Chasing s-t tgds into original database
- Calculating minimal sub-database:  
Inverse mapping of the result database (CHASE-inverse, ...)