

# Towards Heterogeneous Keyword Search

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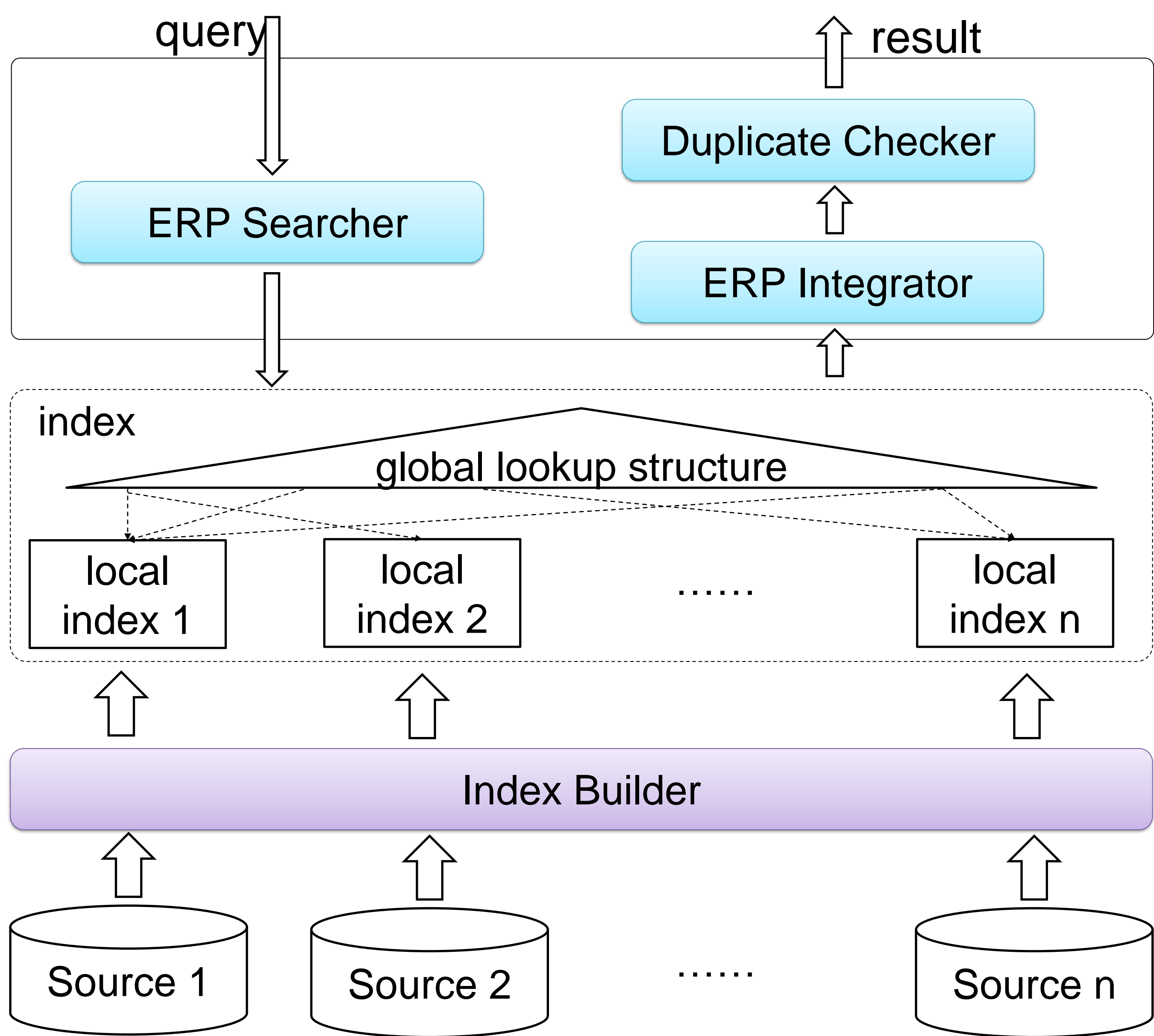
## Motivation

- ❖ Data is usually resident in heterogeneous data sources including unstructured data, semi-structured data and structured data.
- ❖ Existing keyword search systems are designed and tuned for one specific data model. They cannot answer heterogeneous keyword queries.

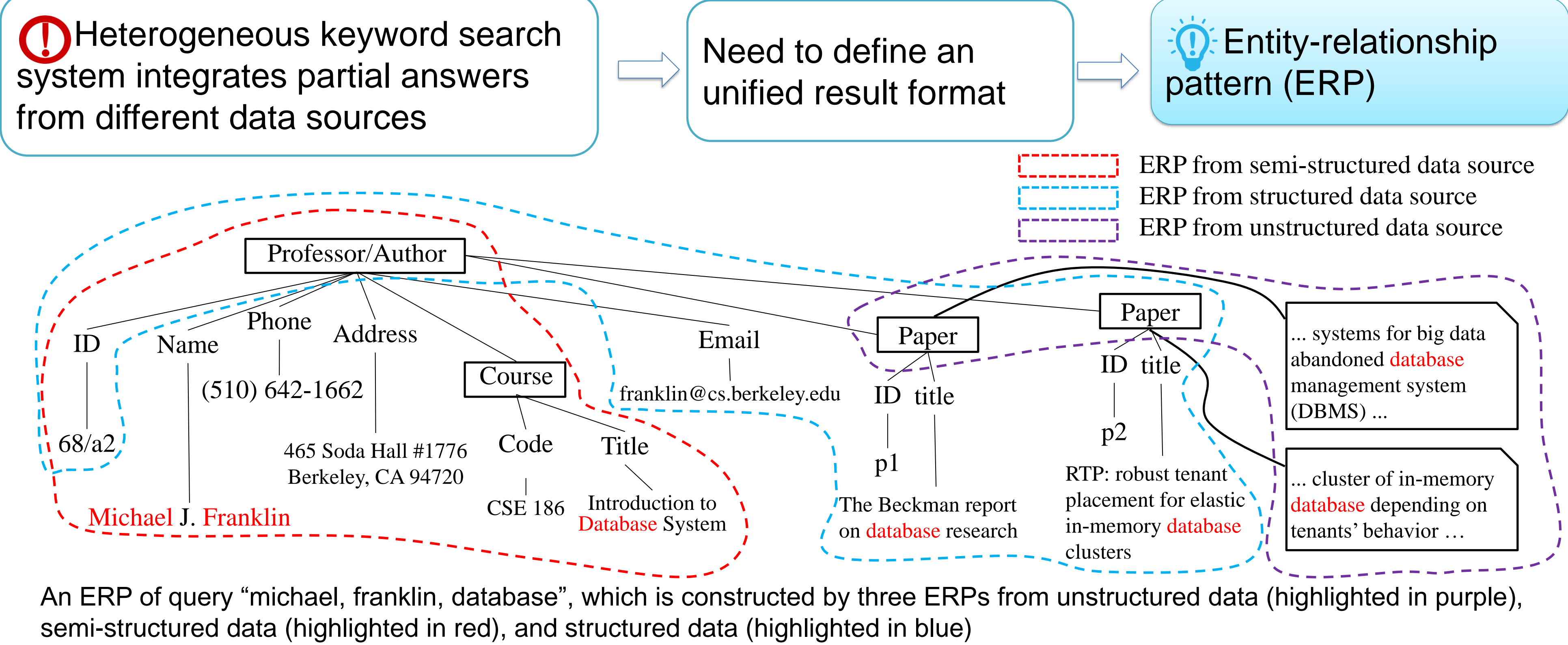
## Contribution

Build a **heterogeneous keyword search system** that performs keyword queries upon diverse data sources rather than just one type of data source.

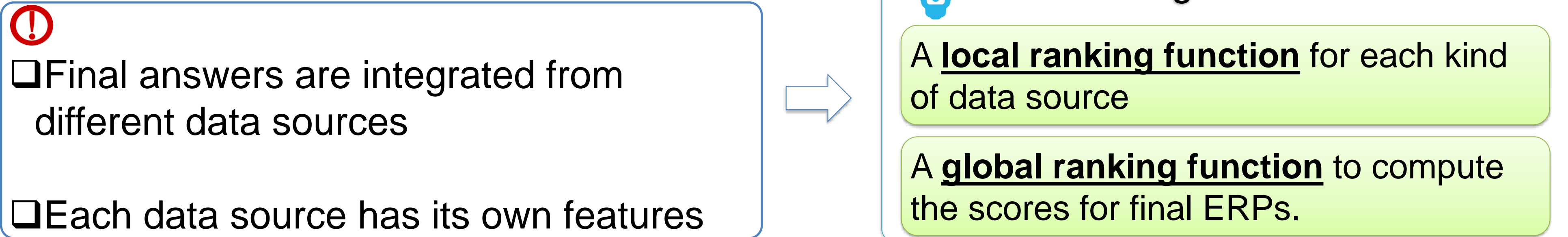
## System Architecture



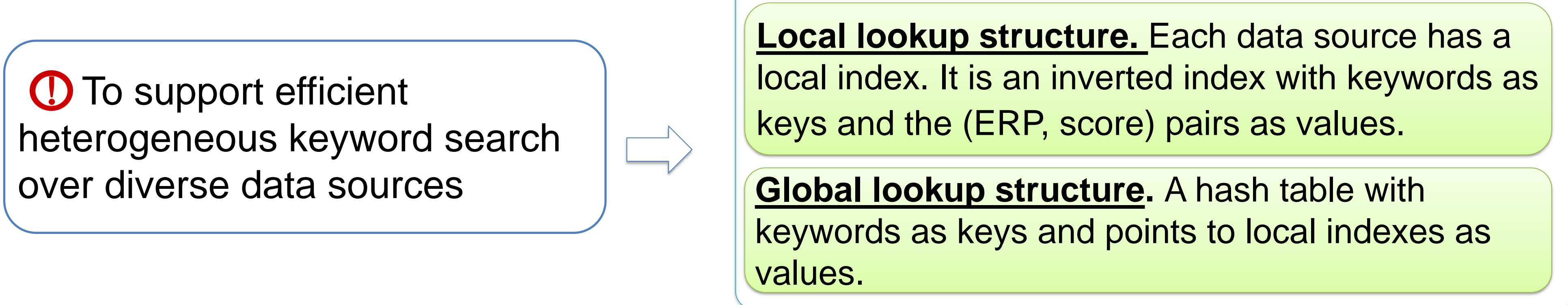
## Challenge 1 : Unified Result Format



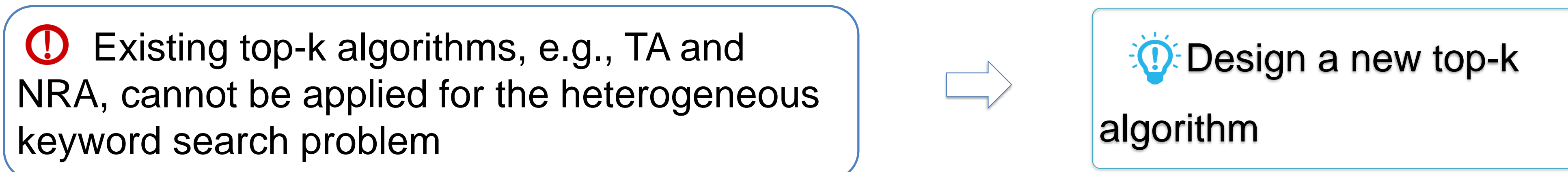
## Challenge 2 : Ranking Function



## Challenge 3 : Index Structure



## Challenge 4 : Top-k Query Processing



## Challenge 5 : Fuzzy Mapping

