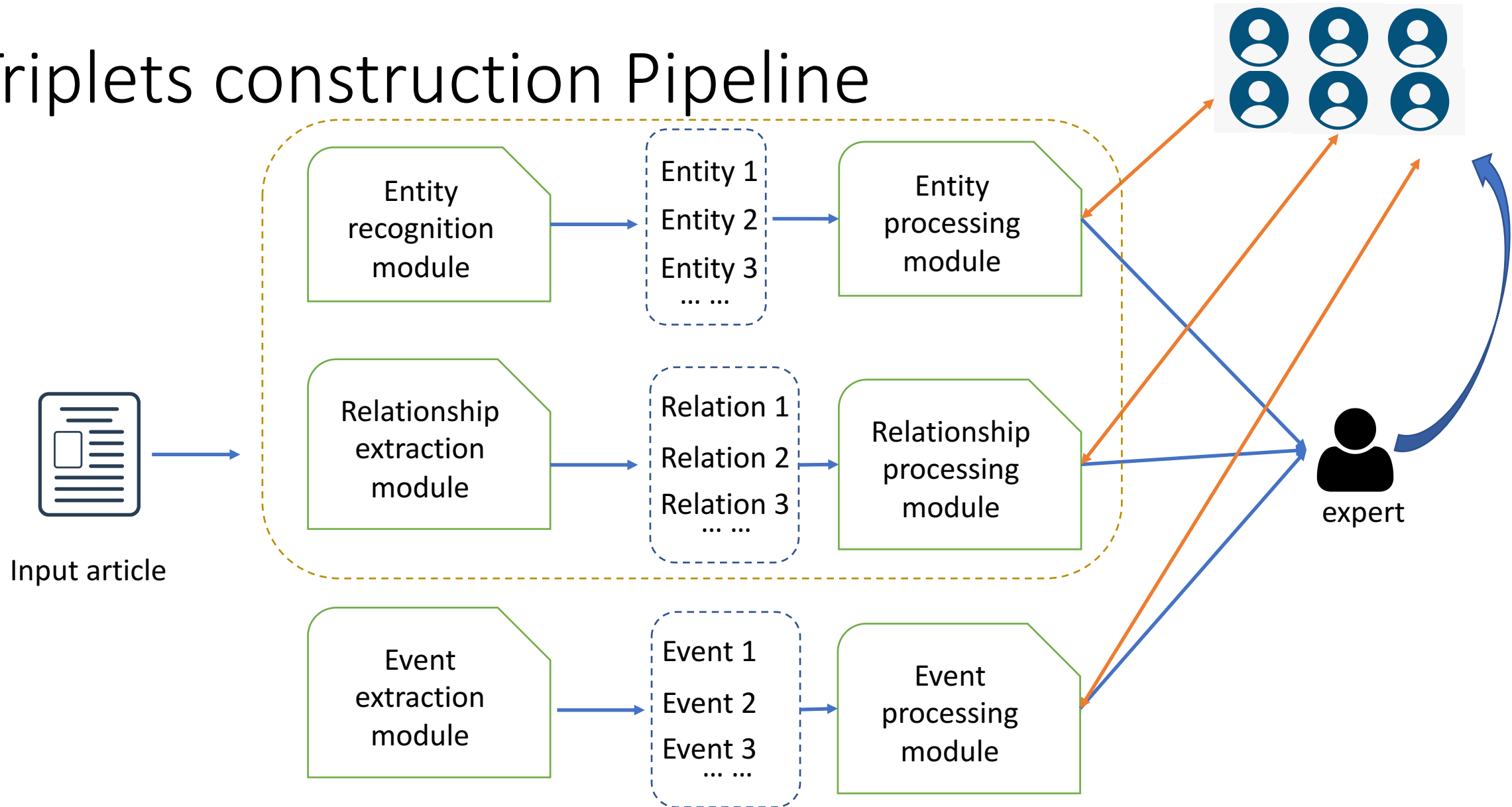


EpiK Knowledge Graph Tools Design

Triplets construction Pipeline



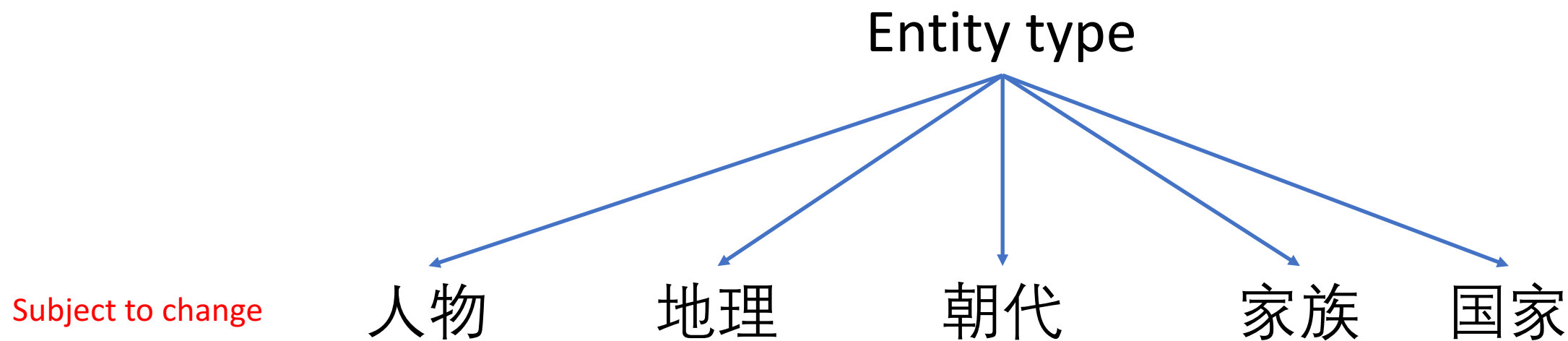
Triplets construction Pipeline

Entity recognition and relationship extraction are relatively mature and stable (to a certain extent)

Event extraction, on other hand, due to its complexity, is not applicable (particularly for a complex domain like history)

Entity recognition module

Automatic entity recognition



The actual entity types that go online depends on various factors, e.g., available data, resources

Relationship extraction module

Automatic relationship extraction

Relationship type

Subject to change

所属朝代	祖籍
父母关系	籍贯
兄弟姐妹	死所
配偶关系	迁往
师生关系	到访过
同族关系	地区从属
所属民族	敌对
所属国家	上下级
	同一集团

The actual relationship types that go online depends on various factors, e.g., available data, resources

Entity processing module

Post-process entities that are automatically recognized by entity recognition module

纠错 调整 融合

Example 1



白帝城 : 人物

白帝城 : 地理

Example 2



白帝 : 地理 ; 城 : 其他

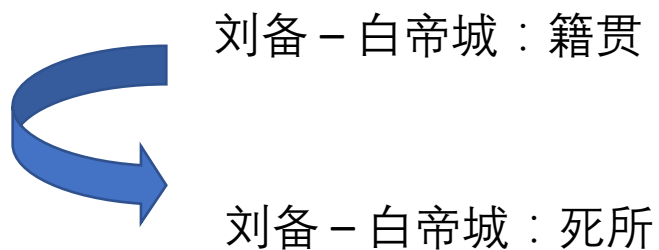
白帝城 : 地理

Relationship processing module

Post-process relationships that are automatically extracted by relationship extraction module

纠错 调整 融合

Example 1



Example 2

