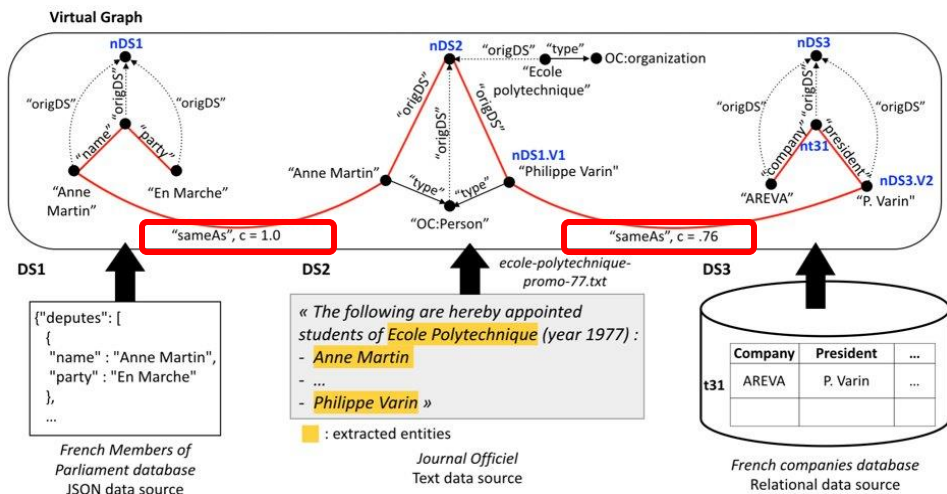
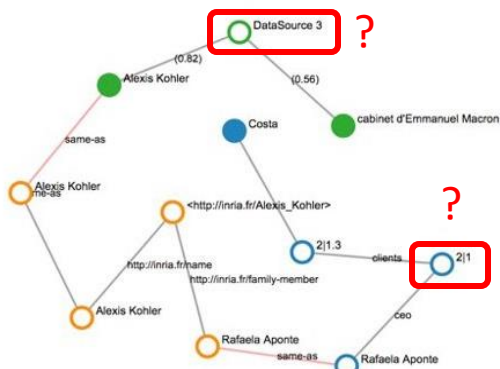


## ConnectionLens : merge heterogeneous data models into one graph G



## Keyword queries on G



## Challenges :

- Untractable exploration of G due to its size
- Unclear answer trees for queries due to structural nodes
- Need to be meaningful for journalists

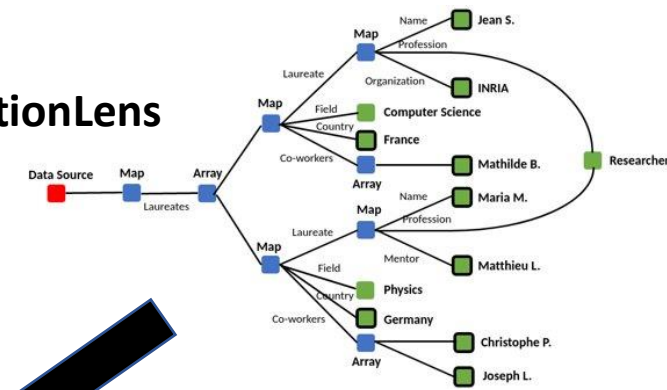
**Idea :** We want entities and links between them → Build an abstract graph containing only enriched entities ("things" with properties) (Person, Organization, Location)

## JSON Document

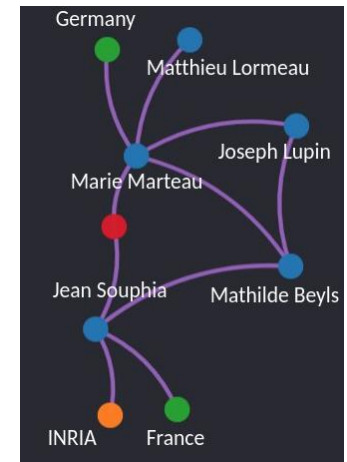
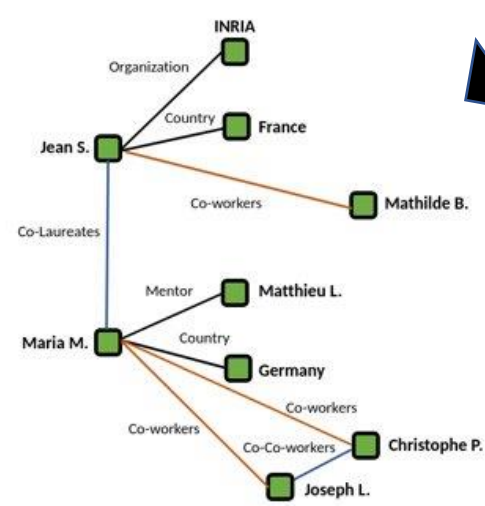
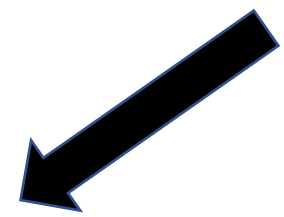
```

laureates:
  0:
    field: "Computer Science"
    country: "France"
    laureate:
      name: "Jean Souphia"
      profession: "researcher"
      organization: "INRIA"
  1:
    field: "Physics"
    country: "Germany"
    laureate:
      name: "Marie Marteau"
      profession: "researcher"
  
```

## Graph G



## ConnectionLens



## Abstract Graph :

- Only entity nodes enriched with attributes
- Links concatenating information of existing paths

## Interactive node-link diagram :

- Encoding of attributes through visual features
- Direct manipulation