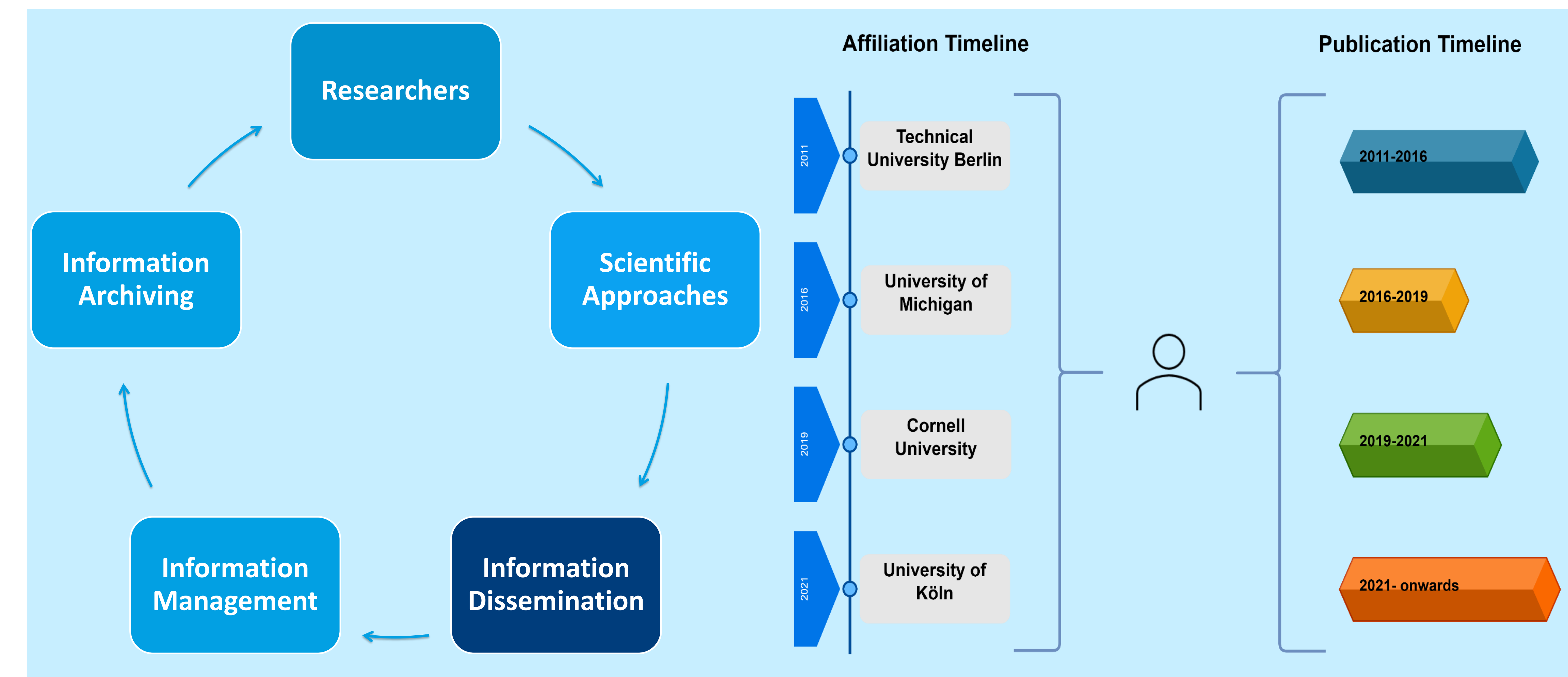


# SmartER: Synergizing Metadata from Scholarly Repositories to Support Research Data Management

## SmartER

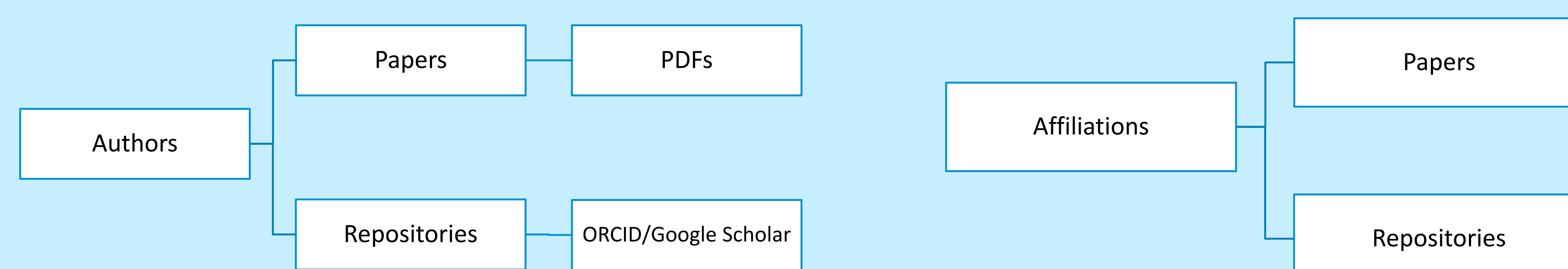
- **Scholarly Metadata** holds significance across domains.
- Open Repositories collect diversified metadata features.
- Inconsistencies especially focusing authors/affiliations.
- To develop scalable methods that leverage scholarly metadata to enhance **author/affiliation disambiguation**.
- **SmartER** aims to enhance **Open Repositories** by targeting structured/unstructured sources.
- Effective Metadata coverage may facilitates:
- **Researcher discoverability**
- **Institutional Profiling**
- **Digitalizing Science**

## Scholarly Eco-System/Author Profiling



## Metadata Features

- Digital Bibliography & Library Project (**DBLP**) provide metadata features: *Authors, Titles, DOI, Source, etc.*
- **ORCID:**
- *Name, Employments, Educations, Works, etc.*
- **ROR:**
- *Types, Alias, Relationships, Locations, Ext. Identifiers etc.*
- **Google Scholar:**
- *Researcher/Organization IDs*



## Open Metadata Repositories

- **DBLP (June 2024)**  
Number of Publications 7.3 Million  
No. of arXiv publications: 0.6 Million
- **ORCID (Dec-2023)**  
Researchers Profiles: 7.2 Million  
Education entries: 5.3 Million  
Employments entries: 5.7 Million  
Paper entries: 87.8 Million
- **ROR (Sep-2024)**  
Total Profiles: 110,724
- **Author/Affiliation Disambiguation:**  
Handle authors with similar names/profiles  
Associate appropriate affiliations to authors

