



DH in the KHI

Digital Humanities

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DH Lab

Building blocks approach

Services are important but research questions and innovative thinking are key

Collaborations - International, MPI institutes and local institutions

Projects

- **DH Microservices**
- **Connect KHI**
- **Research Data Management**
- Churches of Siena
- Michelange on Paper
- Pharos Project
- Gigapixel Images
- SS. Stefano e Lorenzo in Olgiate Olona
- Automatic Transcription of the Rara Collection
- NFDI4Culture
- International Image Interoperability Framework (IIIF)
- Researchspace Knowledge Management
- Library Ebooks Acquisition Platform
- Library Reservation Platform
- Network Analysis - Historical Qs through relations
- Analysis of the Lexical Evolution in the Renaissance
- Computer-Aided Art History

Microservices

It's been hard to update & maintain our monolithic website.

We should migrate to...

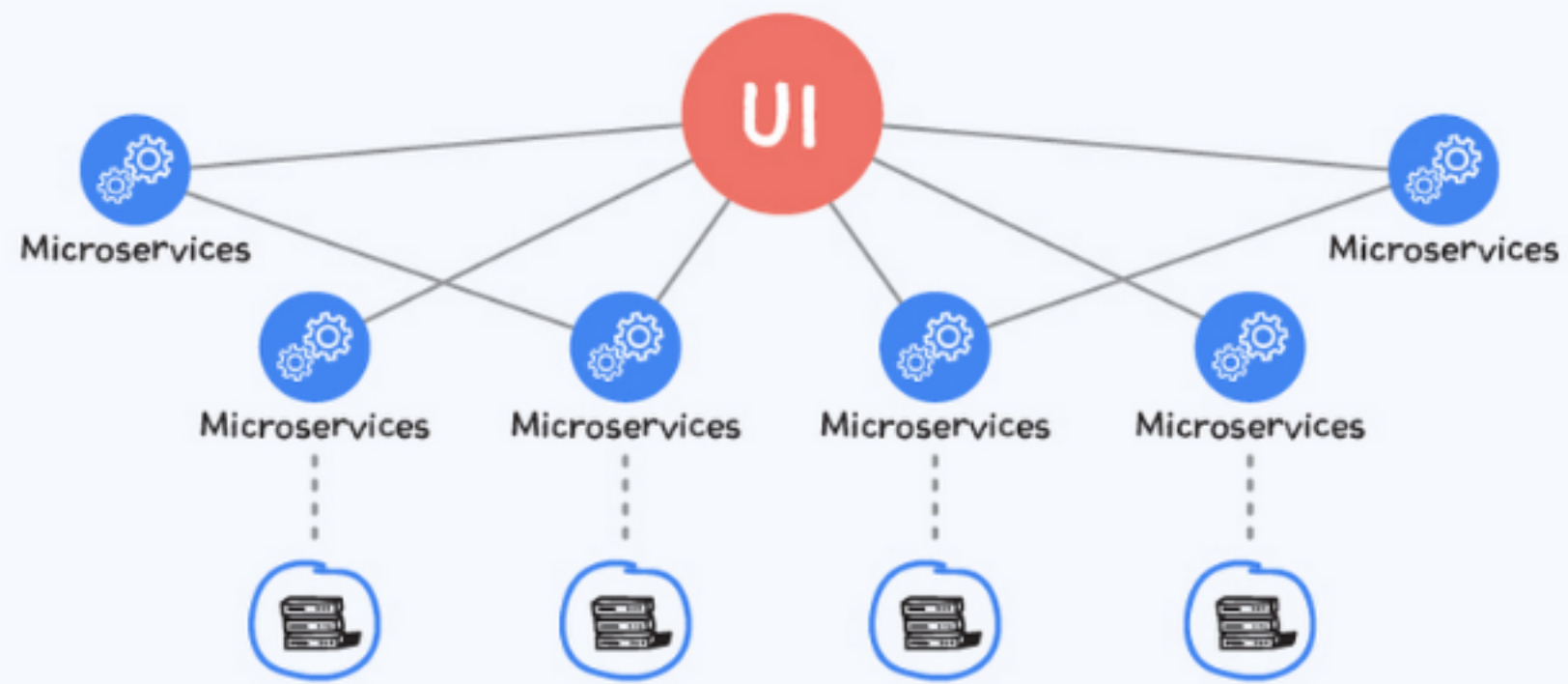
Microservices!

What's the difference between monolith & microservices architecture?

MONOLITHIC ARCHITECTURE



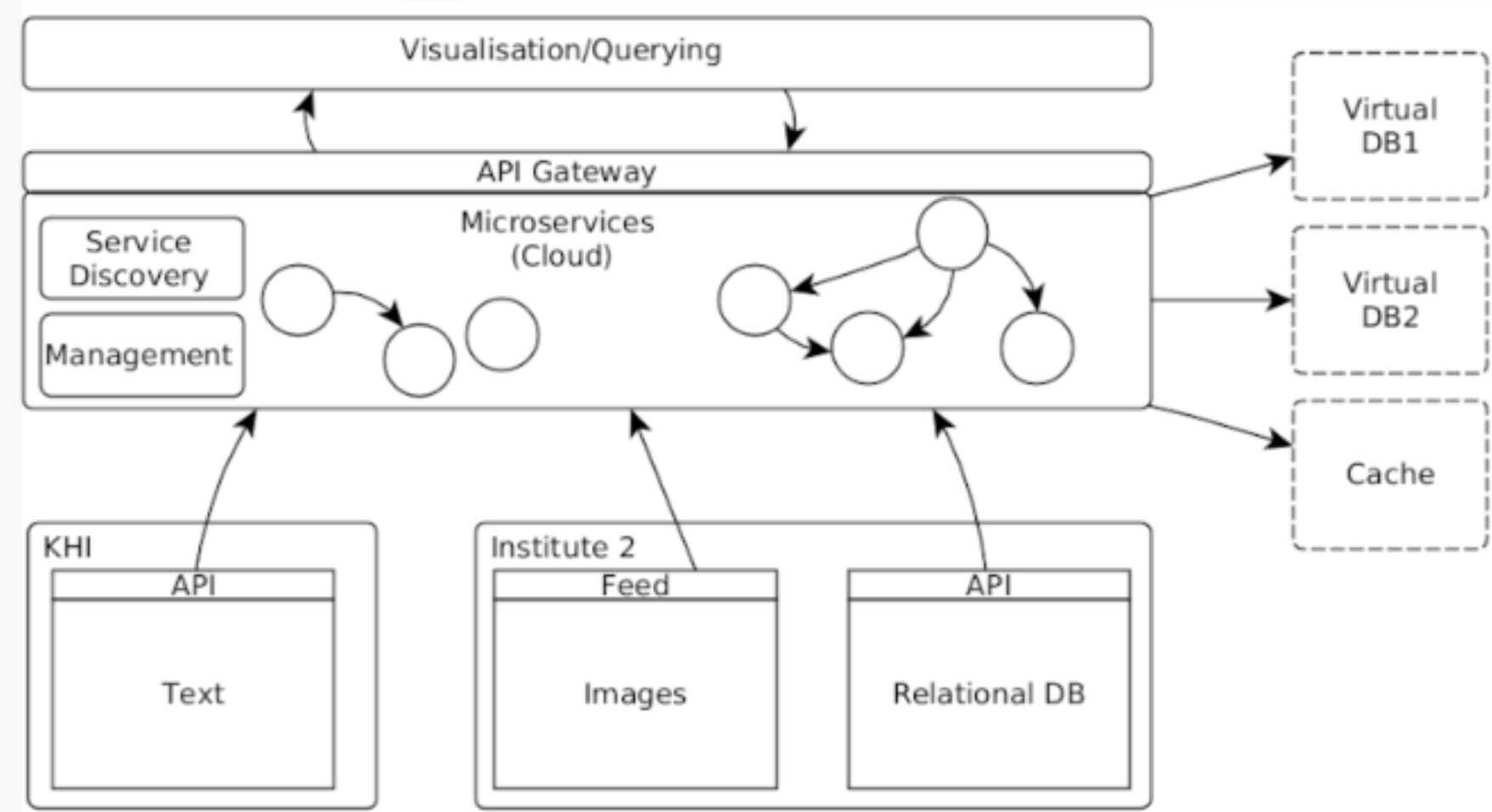
MICROSERVICES ARCHITECTURE



What are the benefits of microservices?

PROS

- Greater Flexibility
- Fast time to market & fast dev cycles
- Small dev teams & code base
- Mix of technologies
- Better scalability
- Fault isolation
- Cloud ready
- Easy to create CI/CD pipelines
- Platform & language agnostic



Research Data Management



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Peer Review

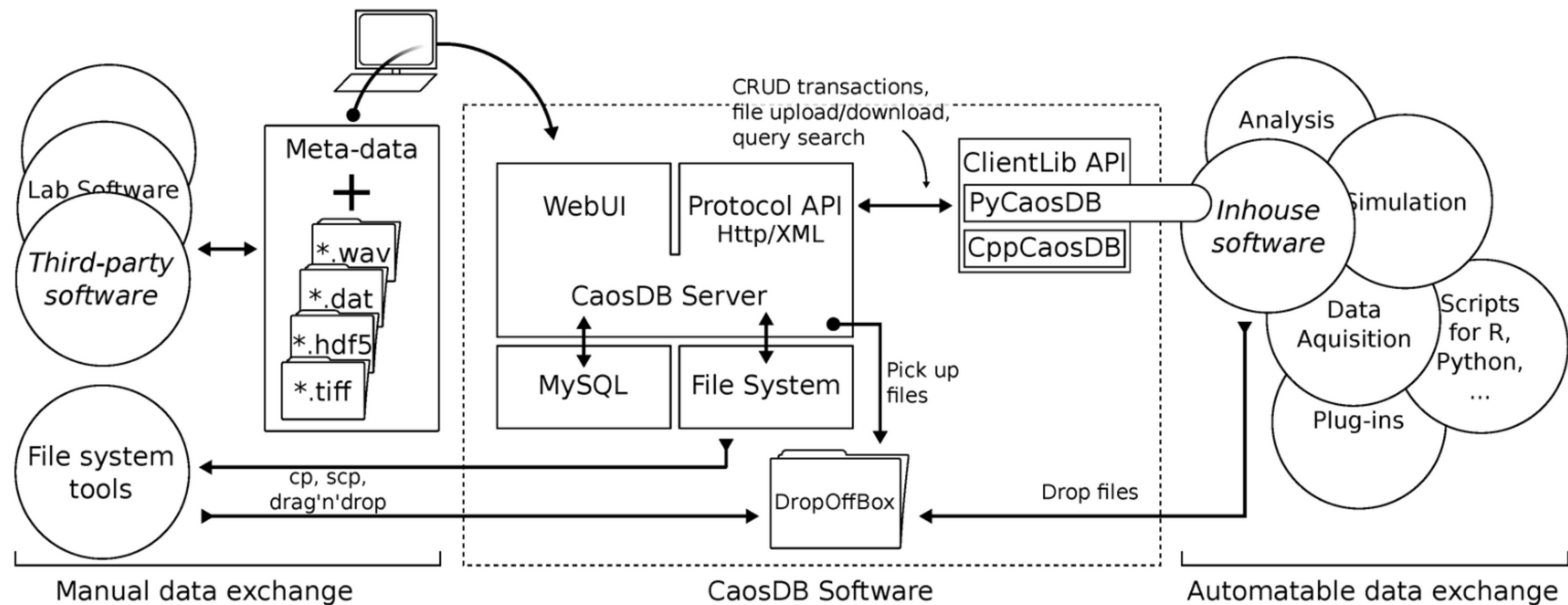
Articles are reviewed by a group of experts in the field, ensuring the quality and reliability of the research.



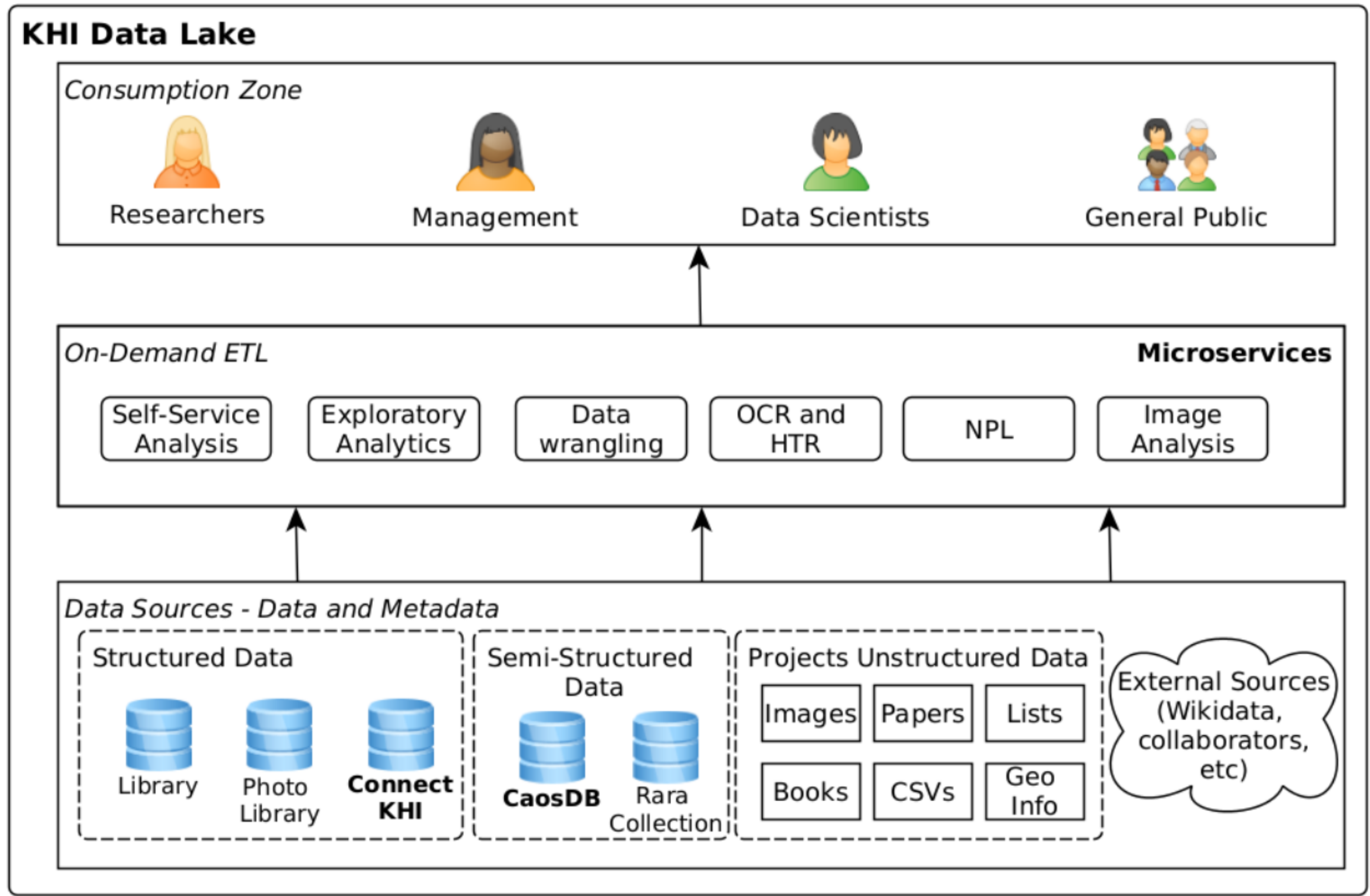
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Research Data Management



Research Data Management Overview



Conclusions

Common language and transversal set of skills

Innovative - Being experimental and dynamic

Disseminate DH as research not as a tool

Building the future of art history, DH, CS and Humanities

Thank you!!! rafael.uriarte@khi.fi.it