



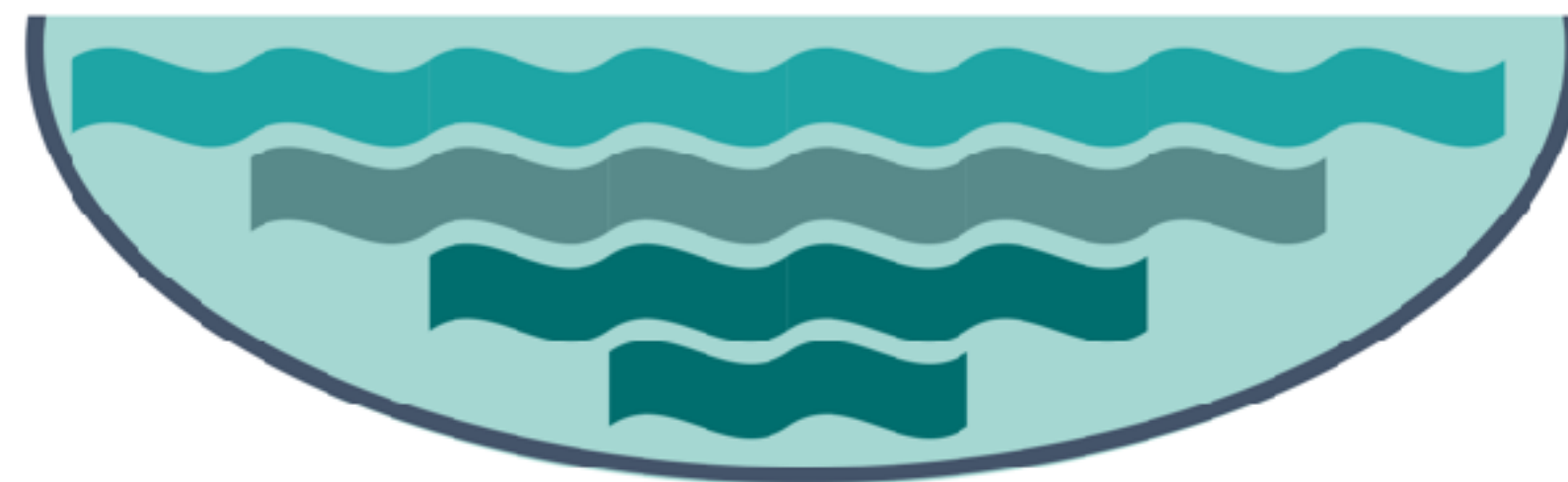
# Polypheny

**November 28, 2023**

Dr. Marco Vogt – [marco.vogt@polypheny.com](mailto:marco.vogt@polypheny.com)  
Polypheny GmbH



# Data lake or data swamp

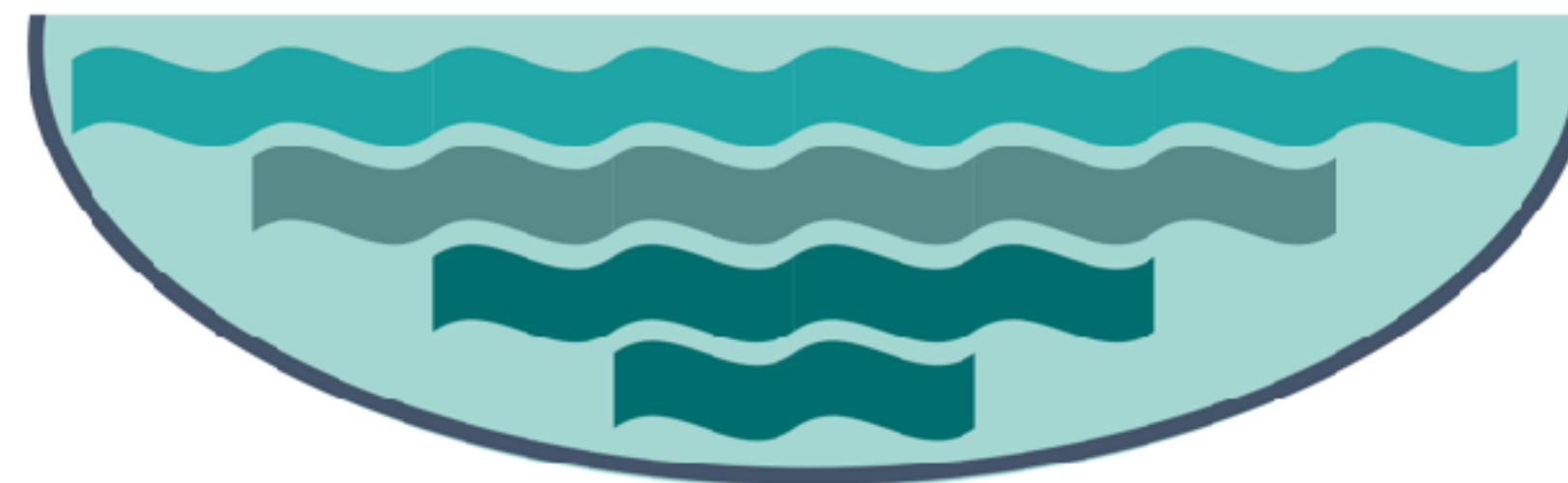


**Data lake**



# Data lake or data swamp

## Databases

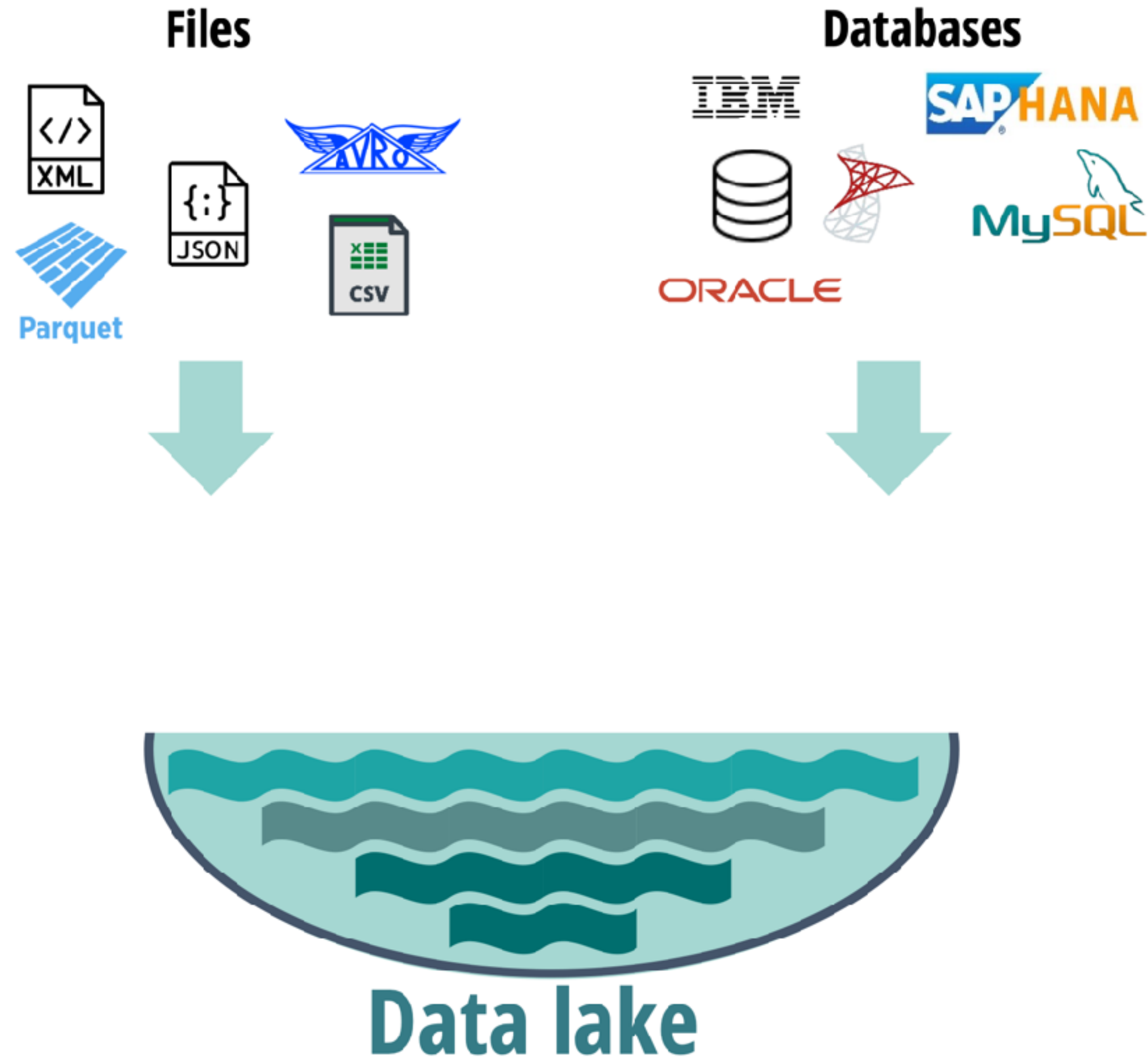


Data lake



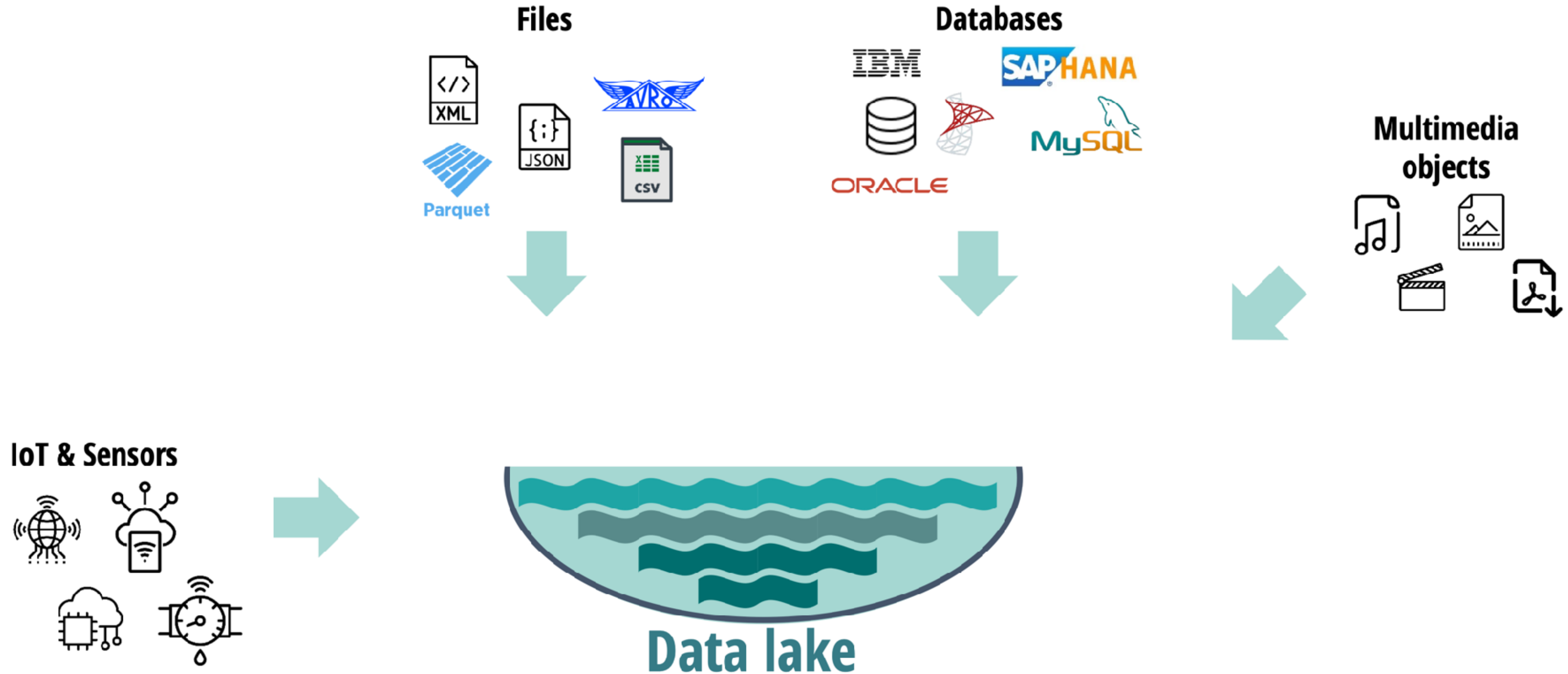


# Data lake or data swamp



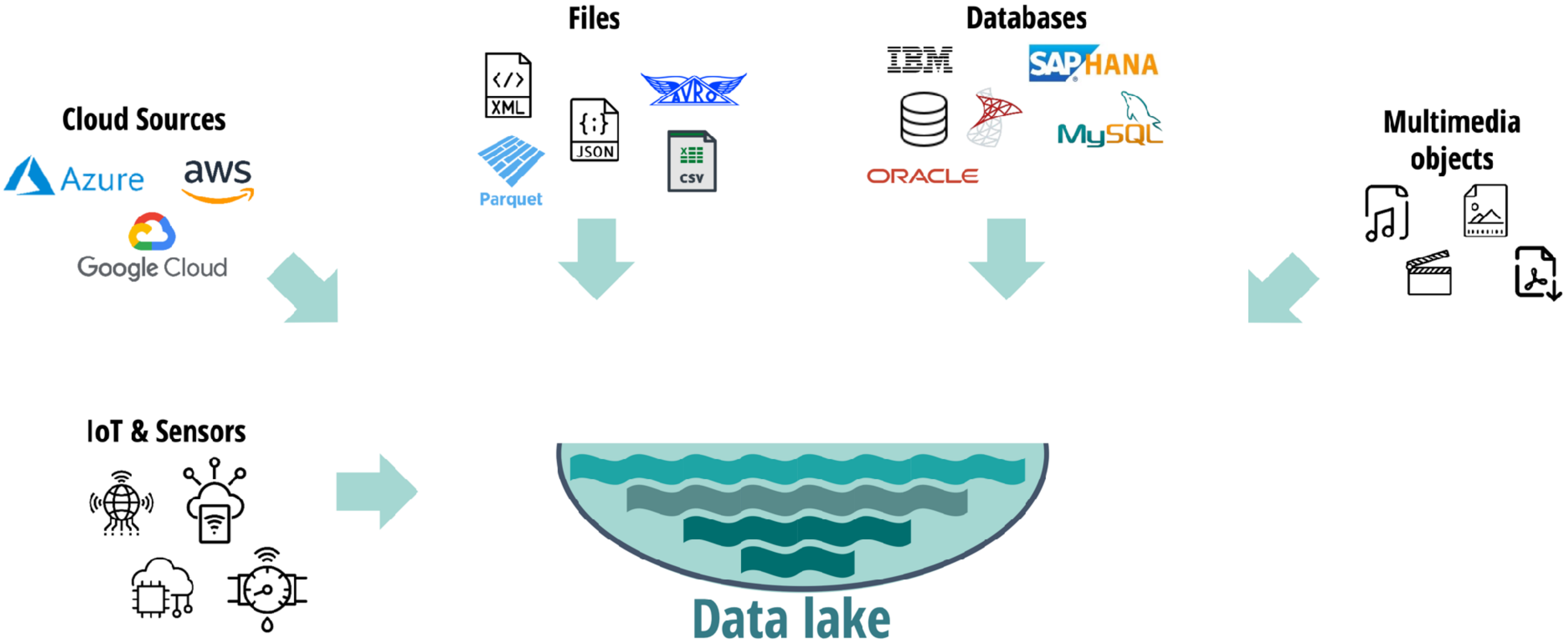


# Data lake or data swamp



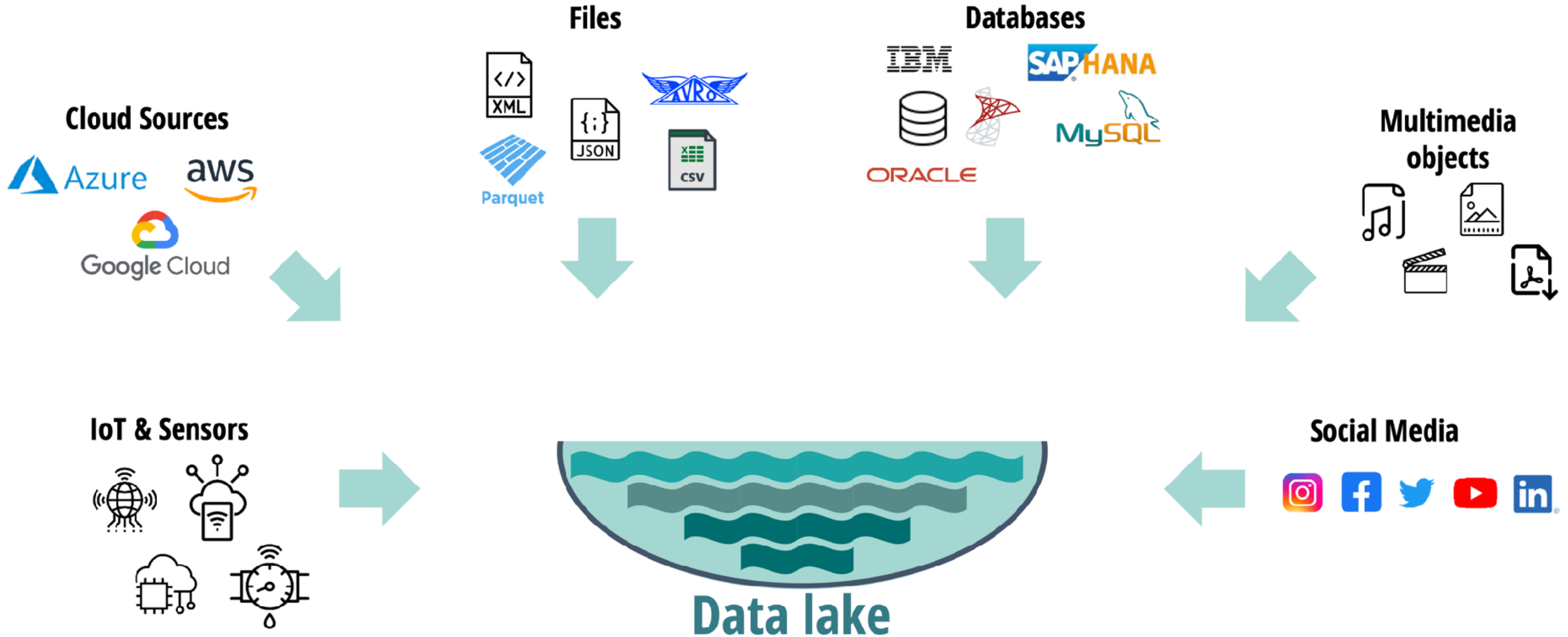


# Data lake or data swamp



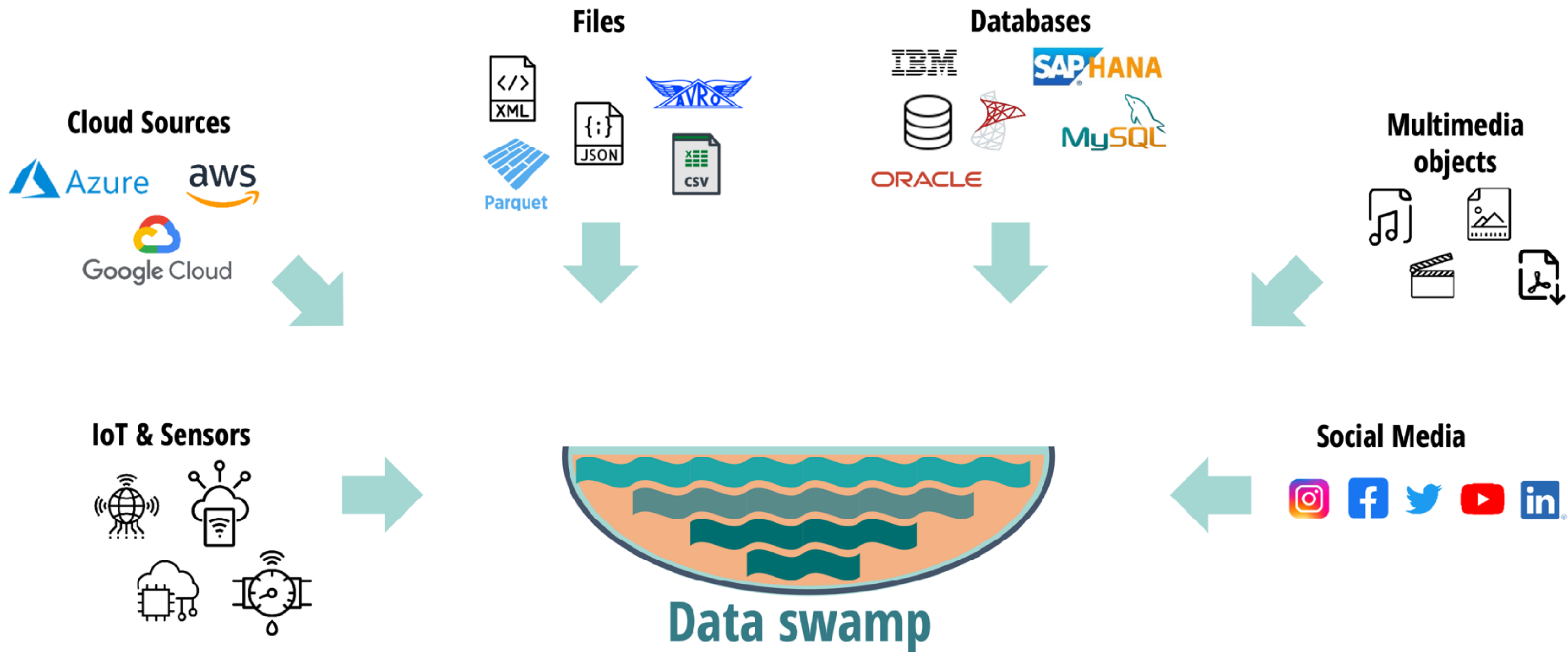


# Data lake or data swamp





# Data lake or data swamp







# In a perfect world



Analysts



System  
integrations



Applications

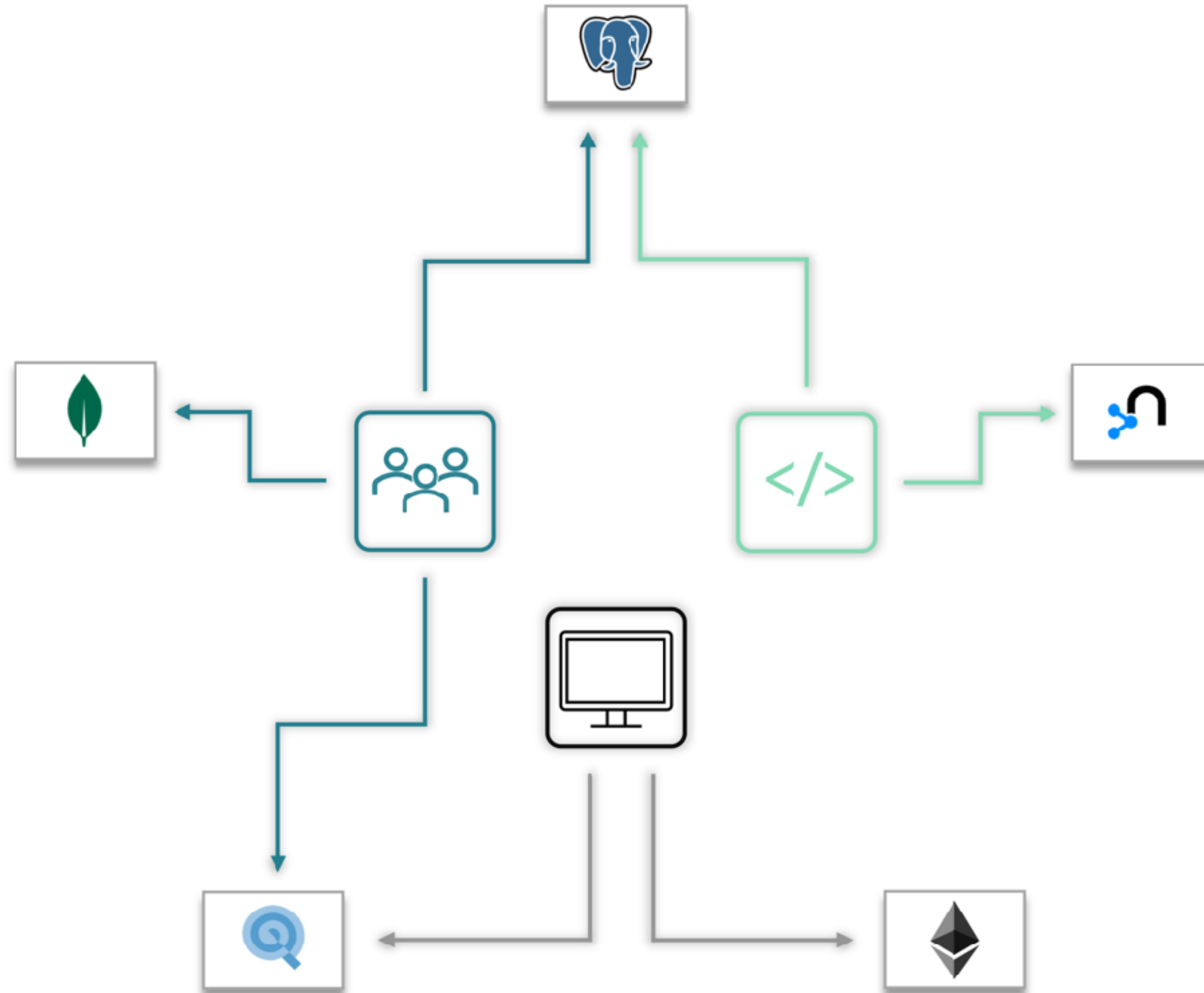




# Challenge: Distributed data access

Distributed data silos

No 'Single Source of Truth'

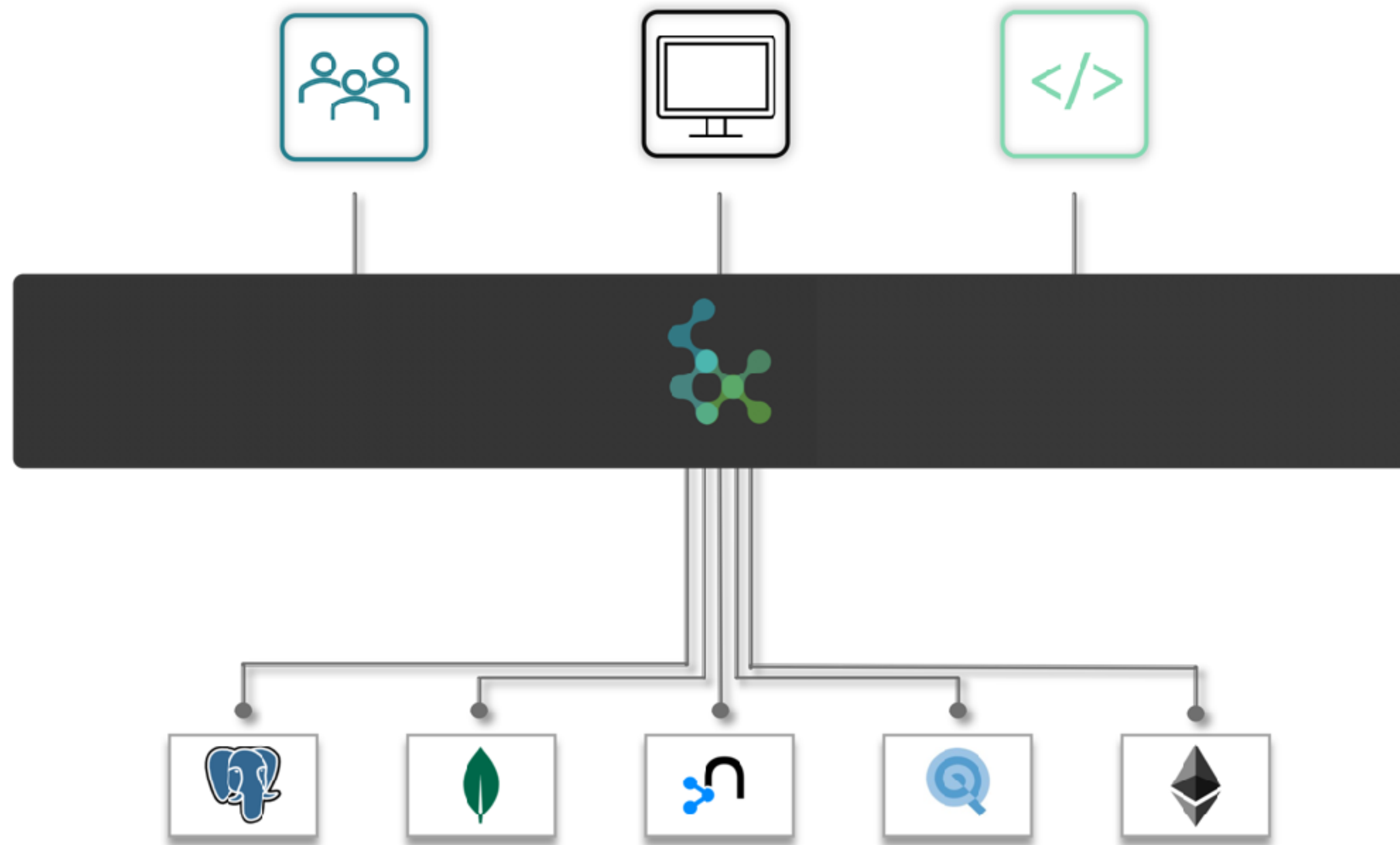


Data migration is expensive & complex

Different query languages required

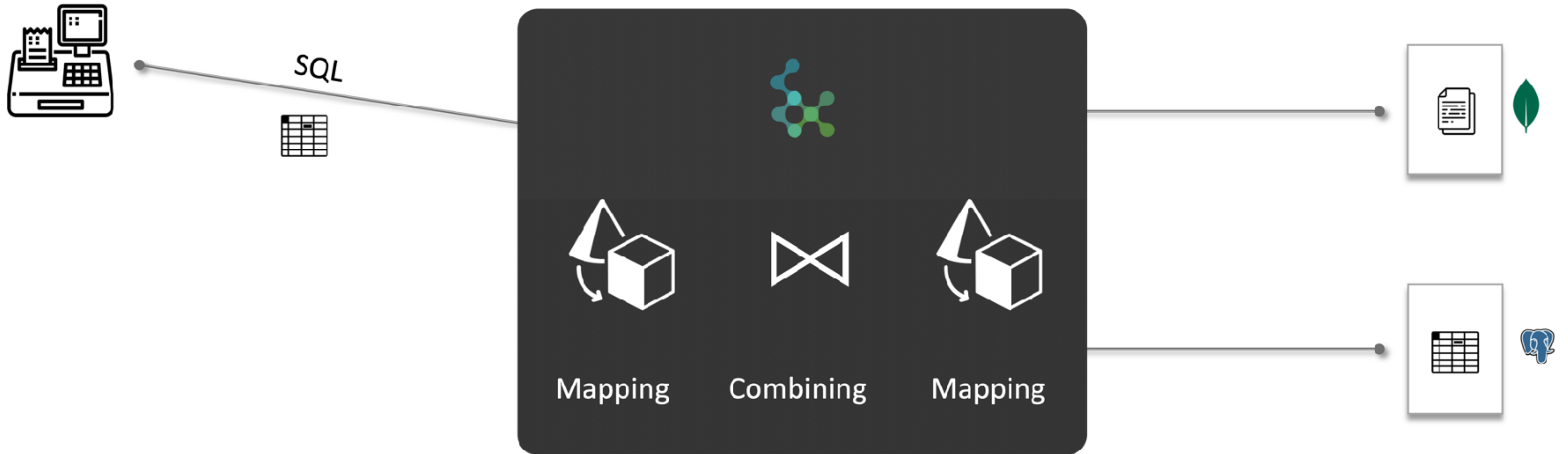


# Polypheny: A central data platform



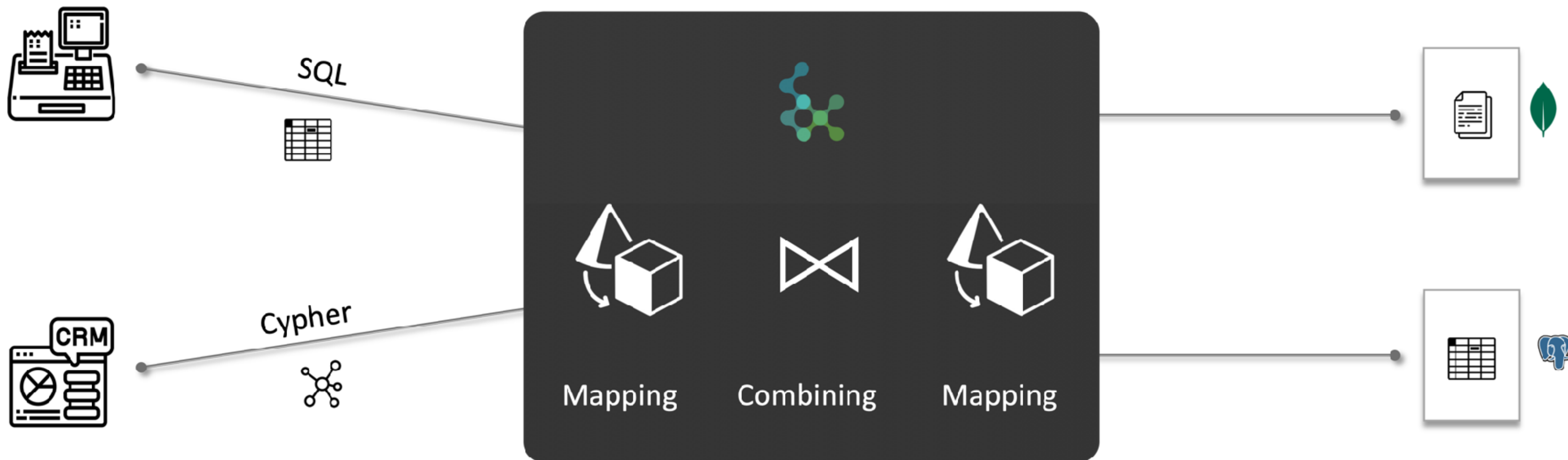


# Polypheny: Multi-Model Data Management





# Polypheny: Multi-Model Data Management



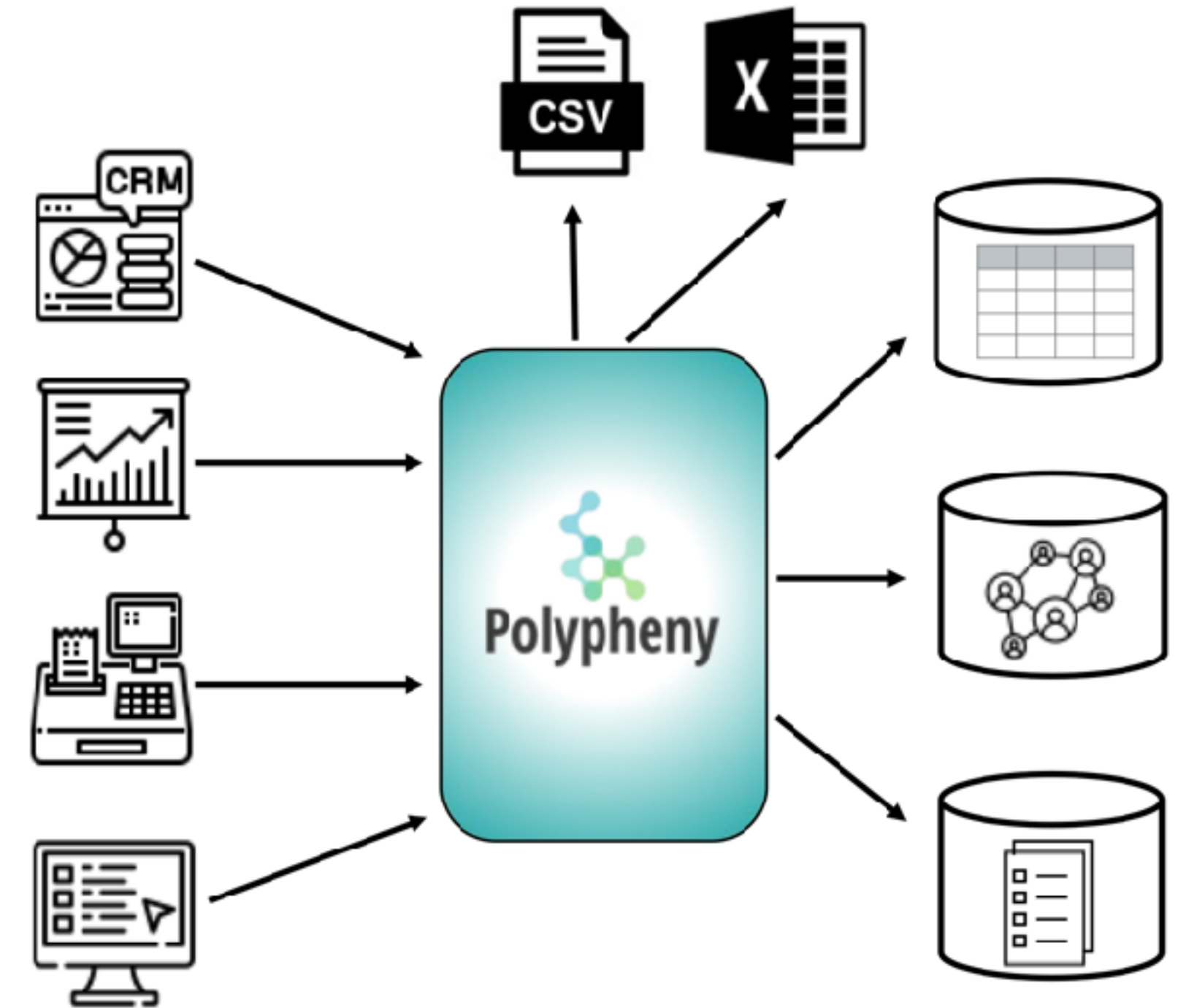


# Polypheny: In a nutshell



## Access to all your data

In real time and no matter where and how it is stored





# Polypheny: In a nutshell



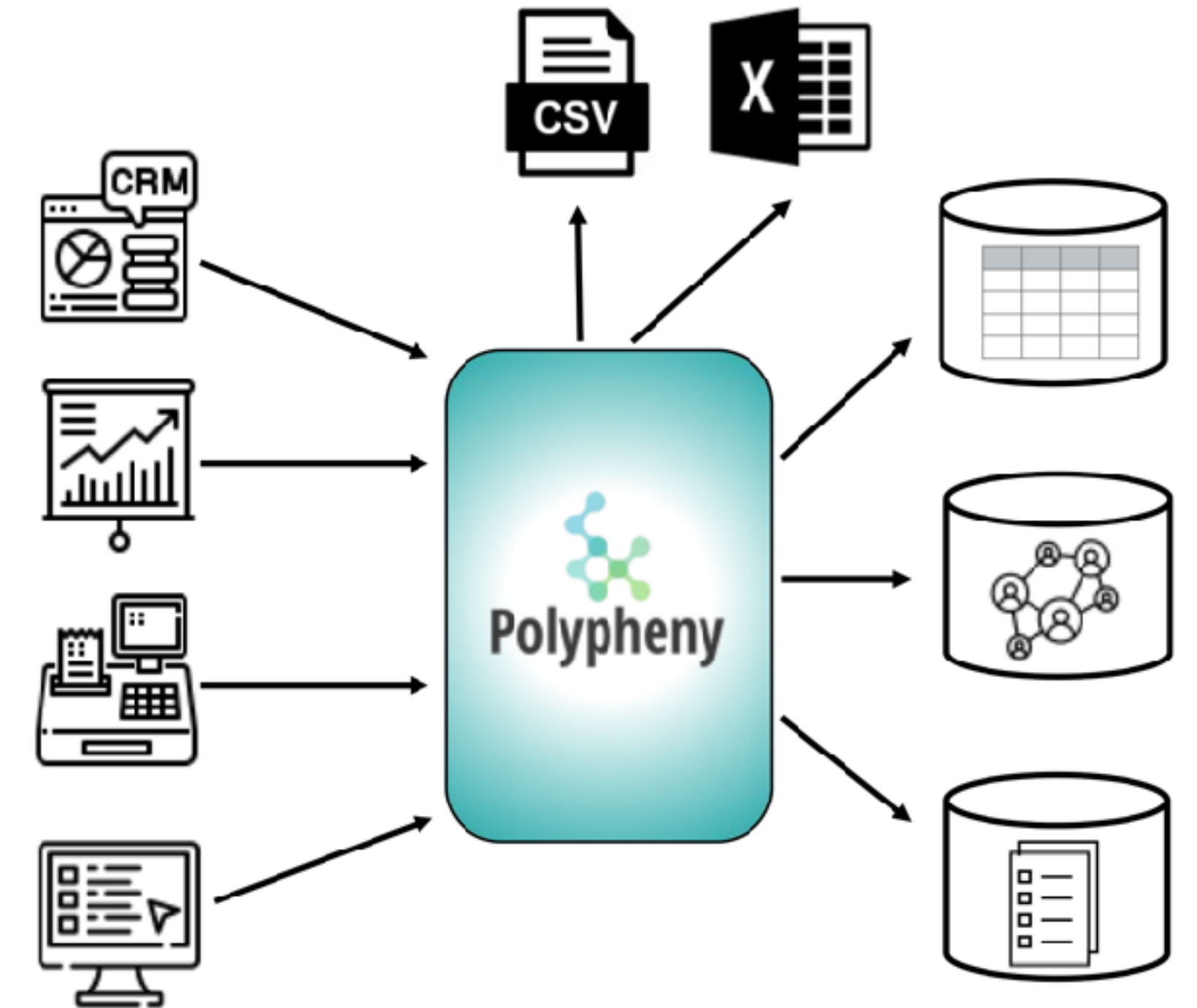
## Access to all your data

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## Support for various types of data

Structured, unstructured, graphs, multimedia, Excel ...





# Polypheny: In a nutshell



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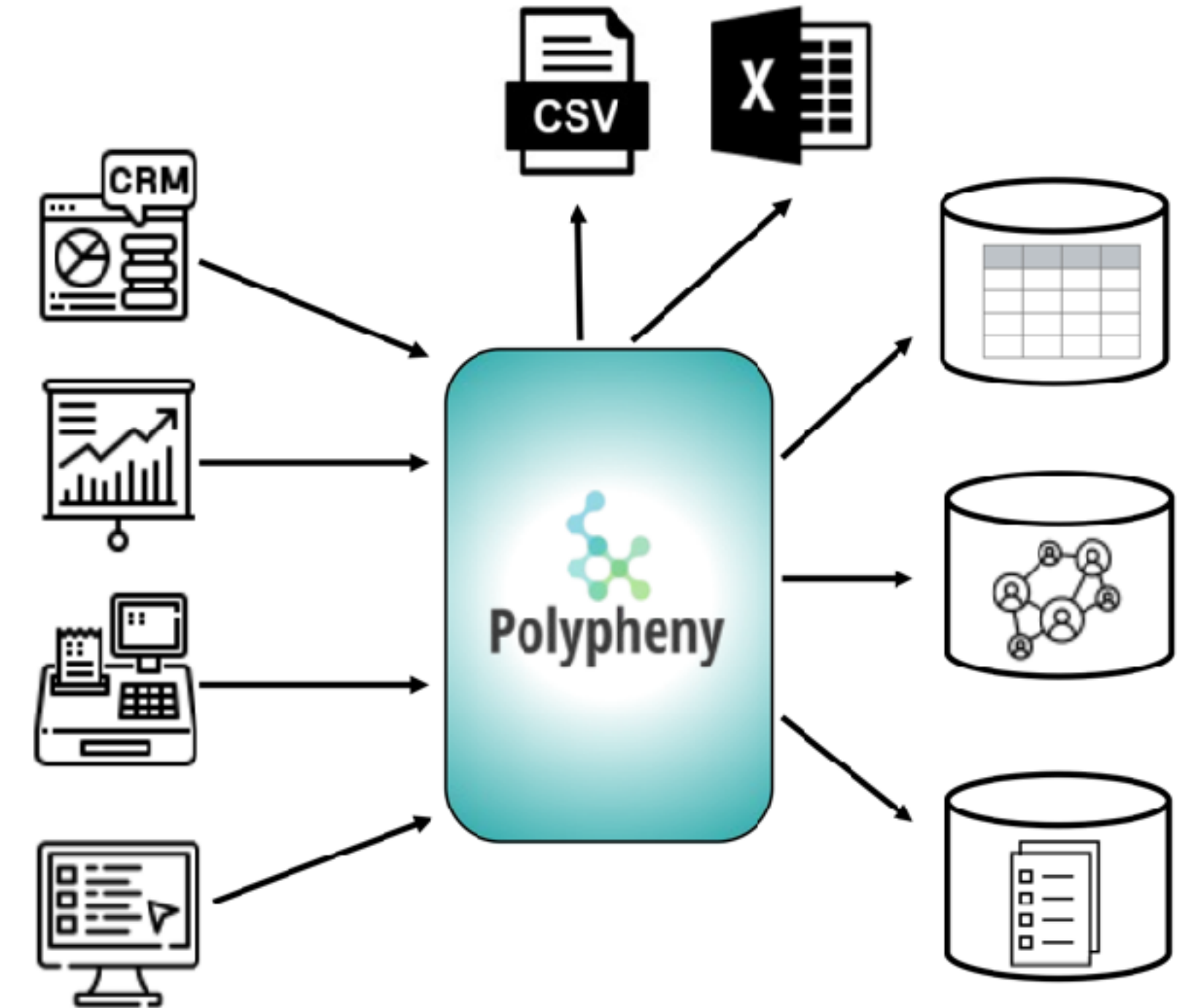
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## Combining data from various sources and data models

Business analytics, machine learning, or AI applications







# Polypheny: In a nutshell



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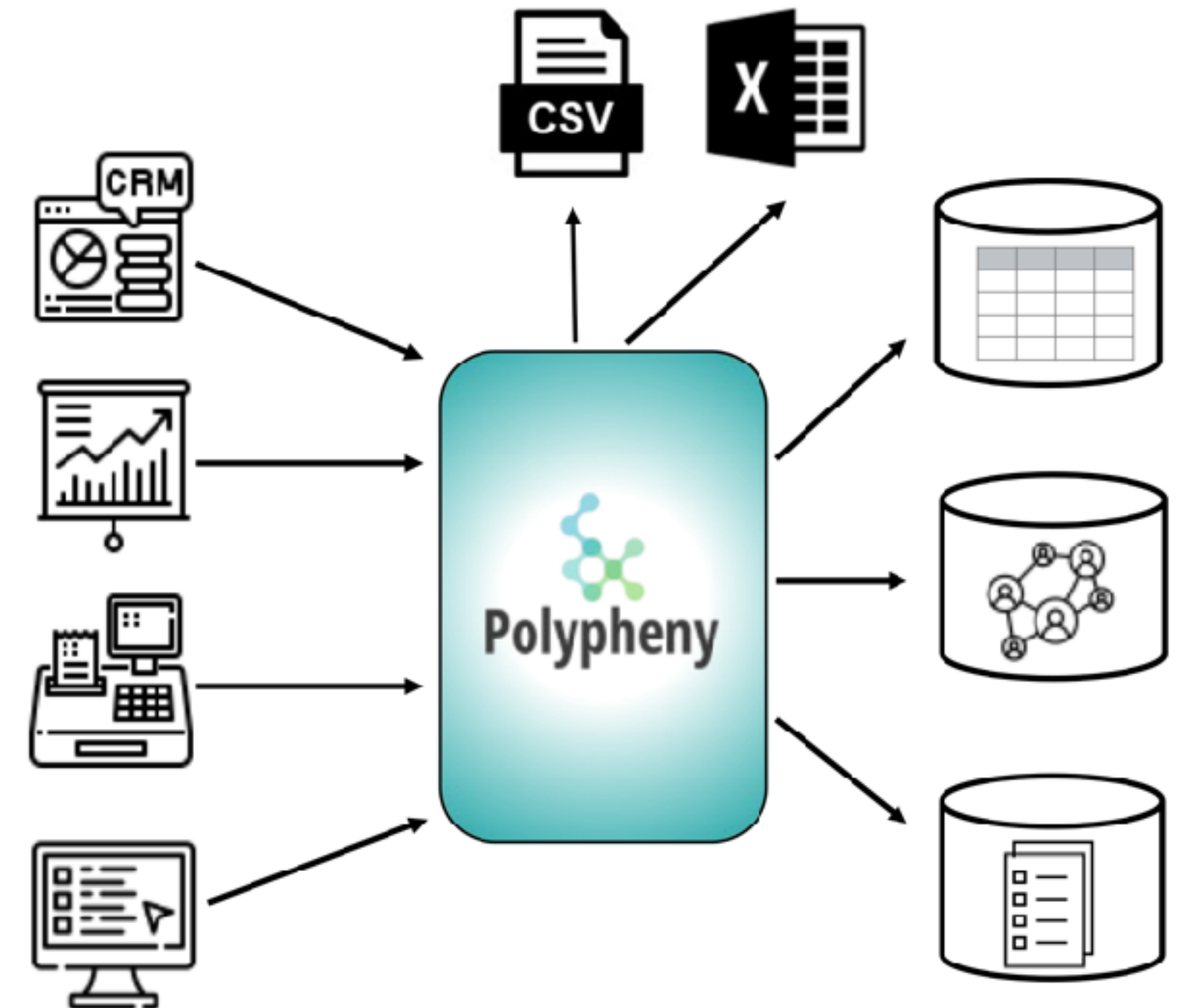
## Combining data from various sources and data models

Business analytics, machine learning, or AI applications



## Supporting multiple industry standard query languages and interfaces

Including SQL, Cypher, MQL, JDBC, REST, ...





# Research → Startup

Research Project

2017



Universität  
Basel



Schweizerischer  
Nationalfonds

Open Source  
Project

2017



Featured  
at Google

2020



Google Summer of Code

Startup  
in Basel

2022

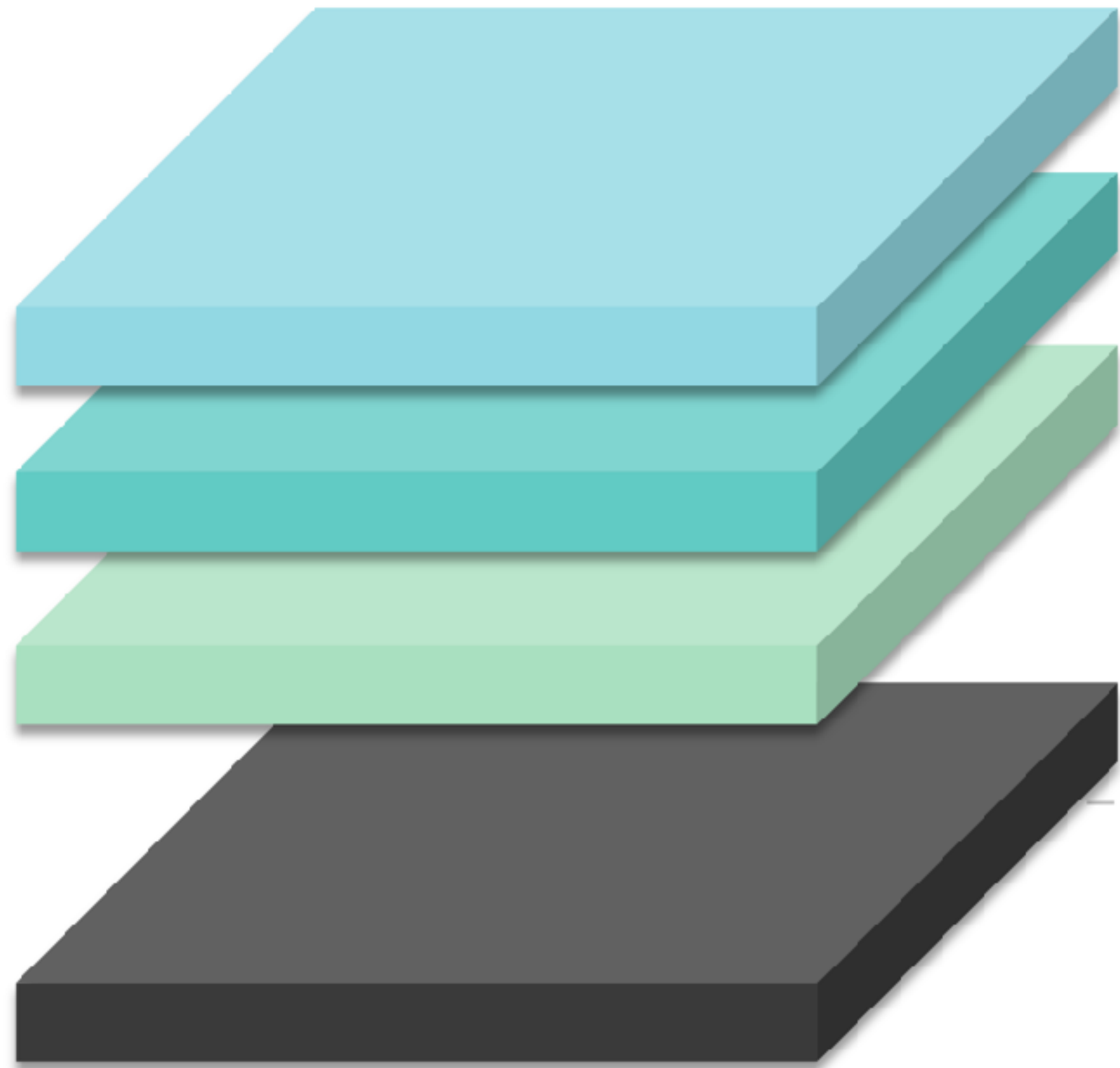


Universität  
Basel





# Open Core Model



**Enterprise Features**



**Enterprise Guidance**



**Enterprise Support**



**Open Source**

Project & Community-driven  
Full-fledged DBMS





# Polypheny GmbH – Next Steps



**Startup in  
Basel**



**Academia → Industry**



**Seeking innovative  
companies to adopt Polypheny**





# Polypheny

Dangge!

**Contact:**

marco.vogt@polypheny.com



[polypheny.com](https://polypheny.com)



Dornacherstrasse 192  
4053 Basel, CH



@polypheny



Polypheny



[polypheny/Polypheny-DB](https://github.com/polypheny/Polypheny-DB)

