

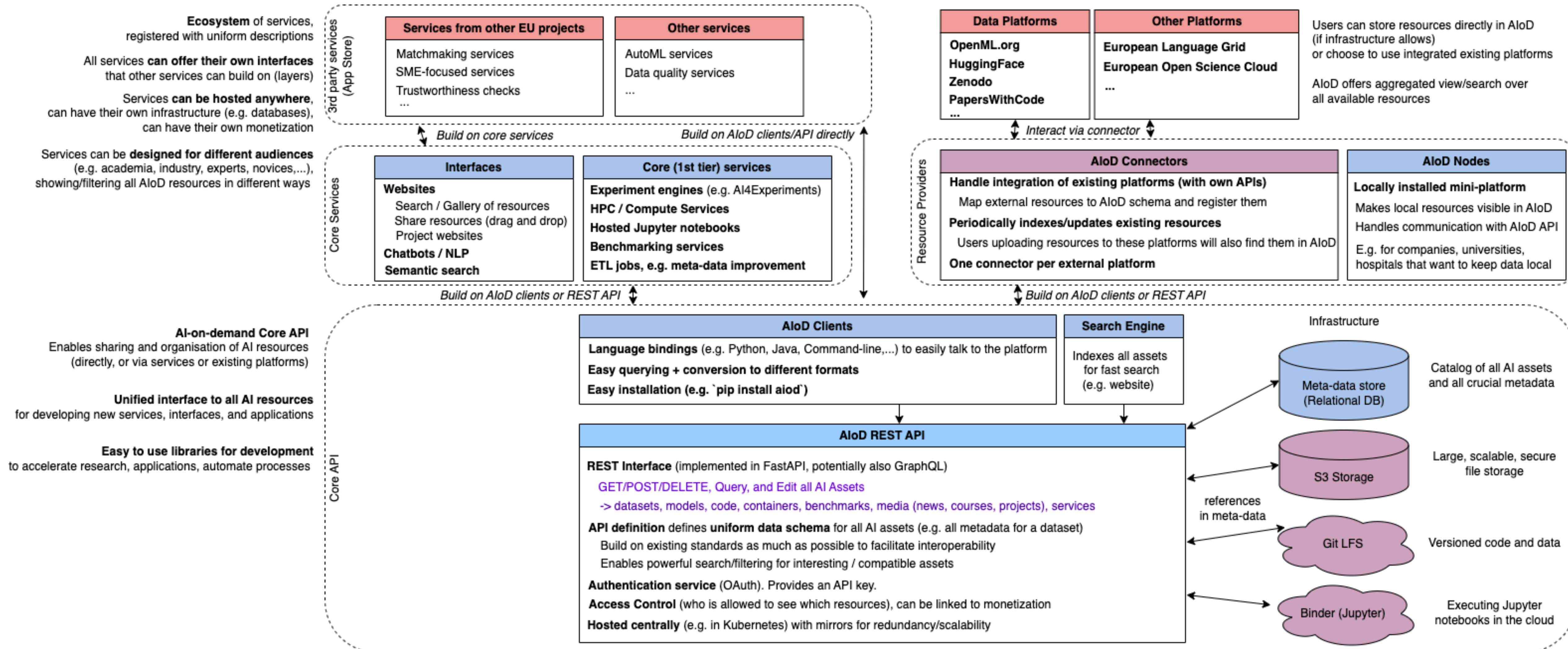
# AI4Europe

## Technical Architecture Preview

Joaquin Vanschoren

# Overview

## AI4Europe Architecture





# Core API

## AI-on-demand Core API

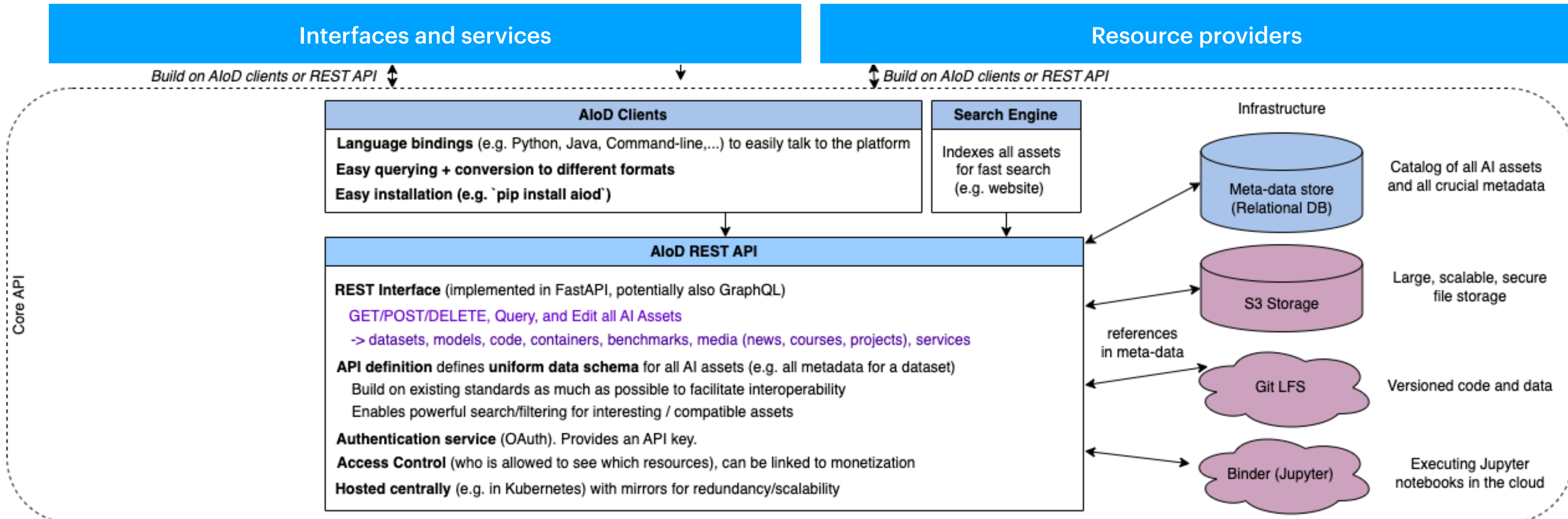
Enables sharing and organisation of AI resources (directly, or via services or existing platforms)

## Unified interface to all AI resources

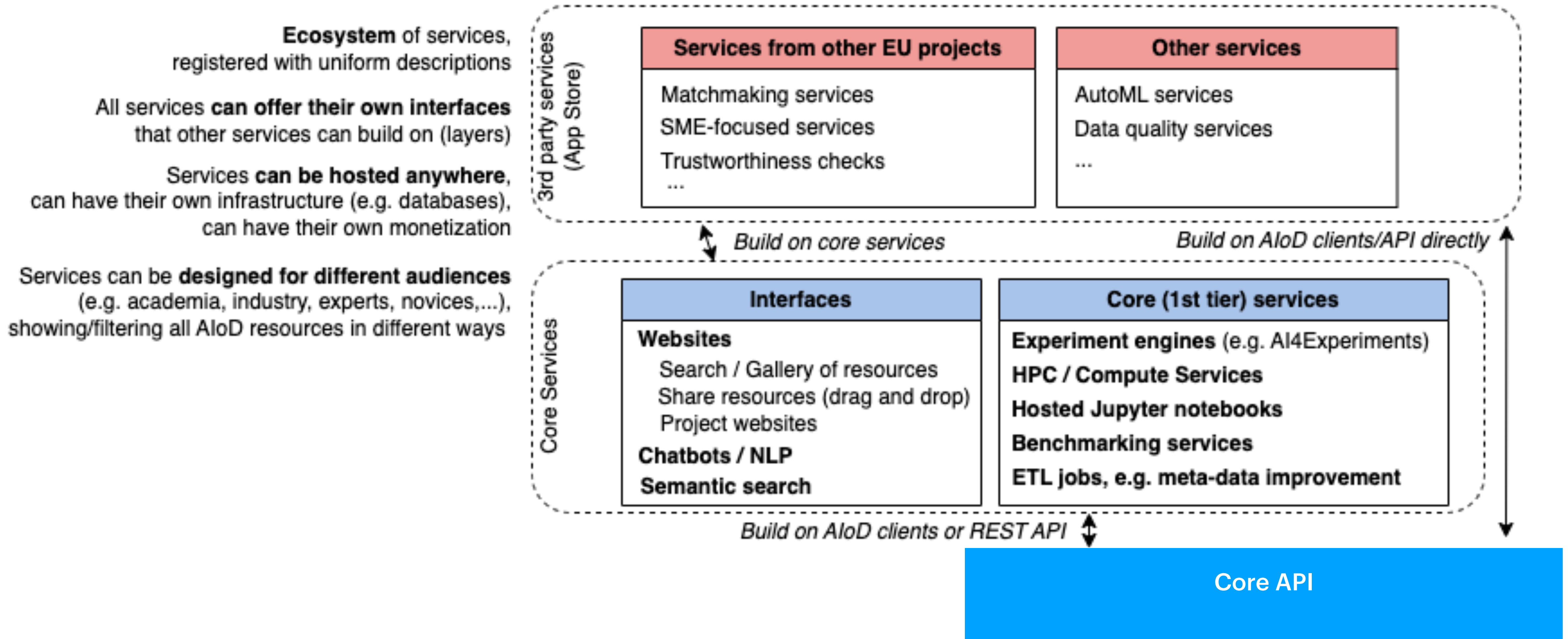
for developing new services, interfaces, and applications

## Easy to use libraries for development

to accelerate research, applications, automate processes

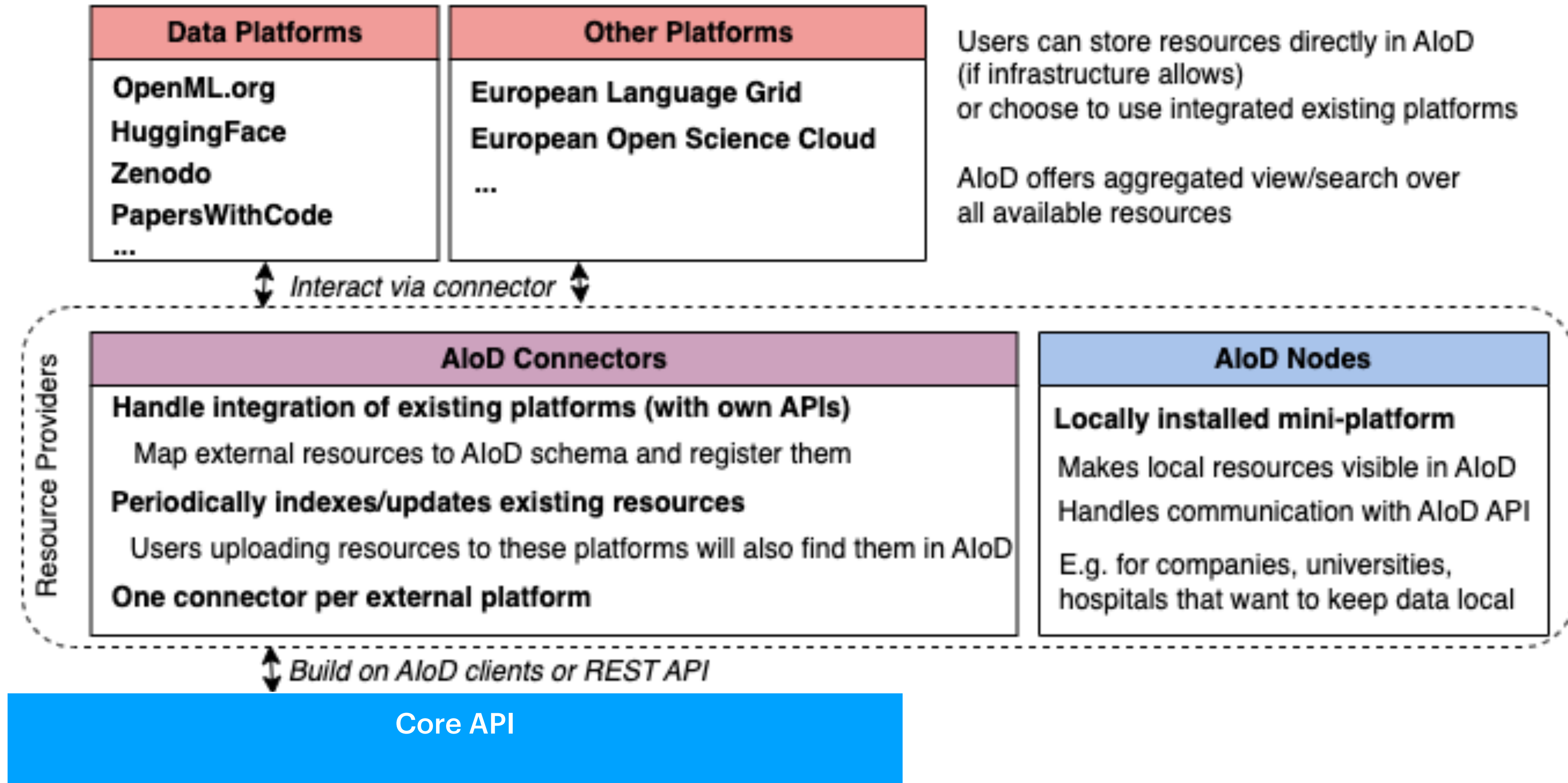


# Interfaces and services



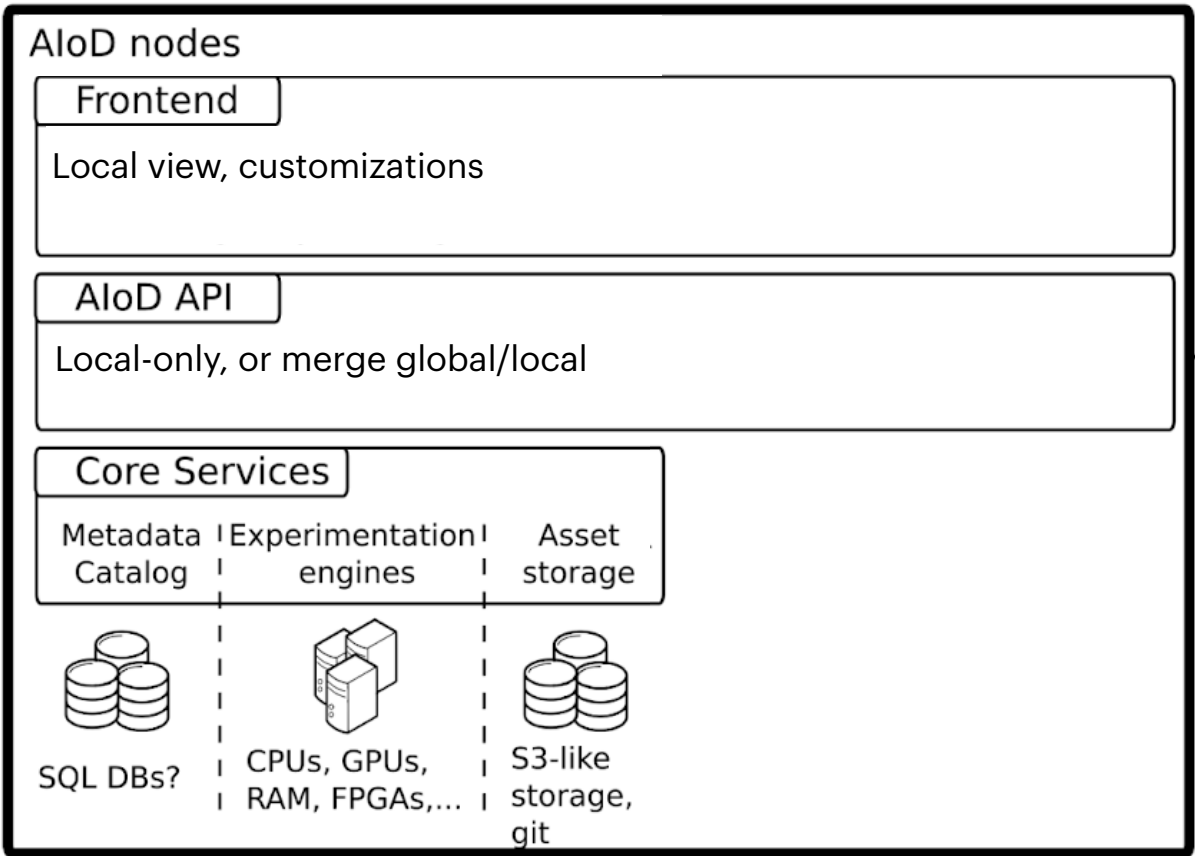
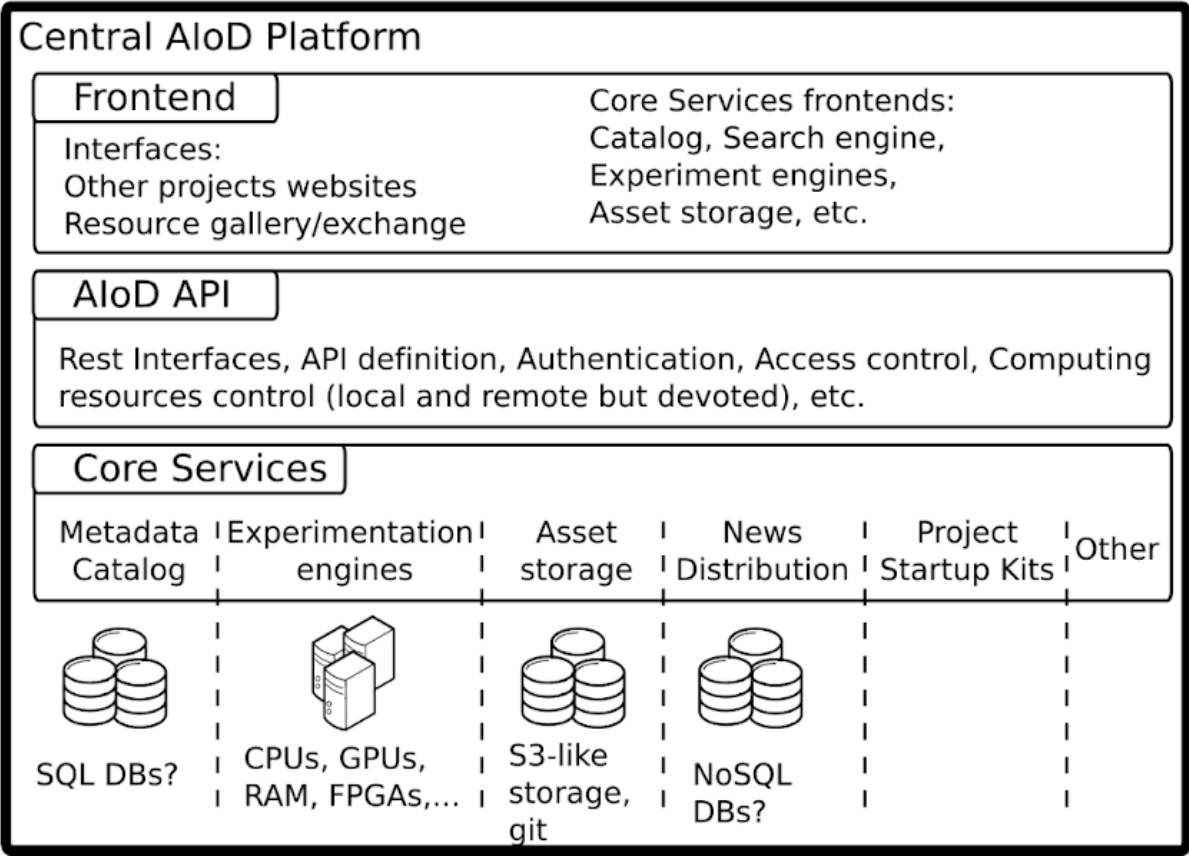
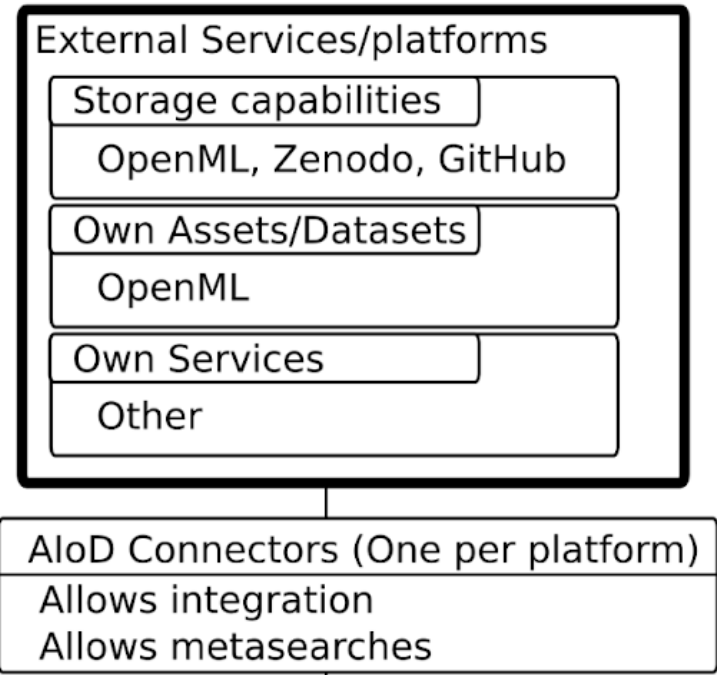


# Resource providers



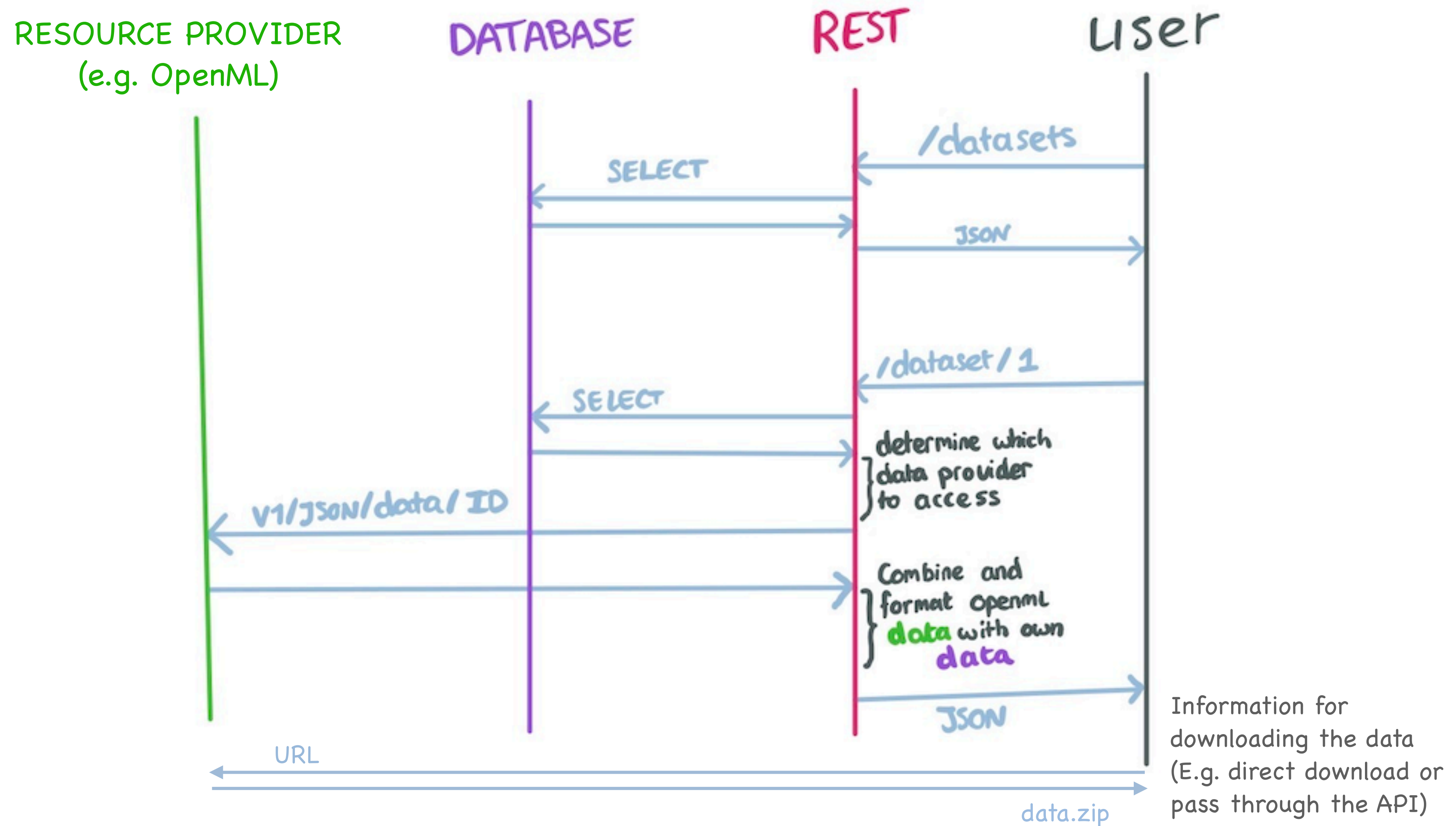
# API-Resource connectors

Map APIs  
Translate between data schema



Synchronize  
(universal connector)

# API-Resource connectors



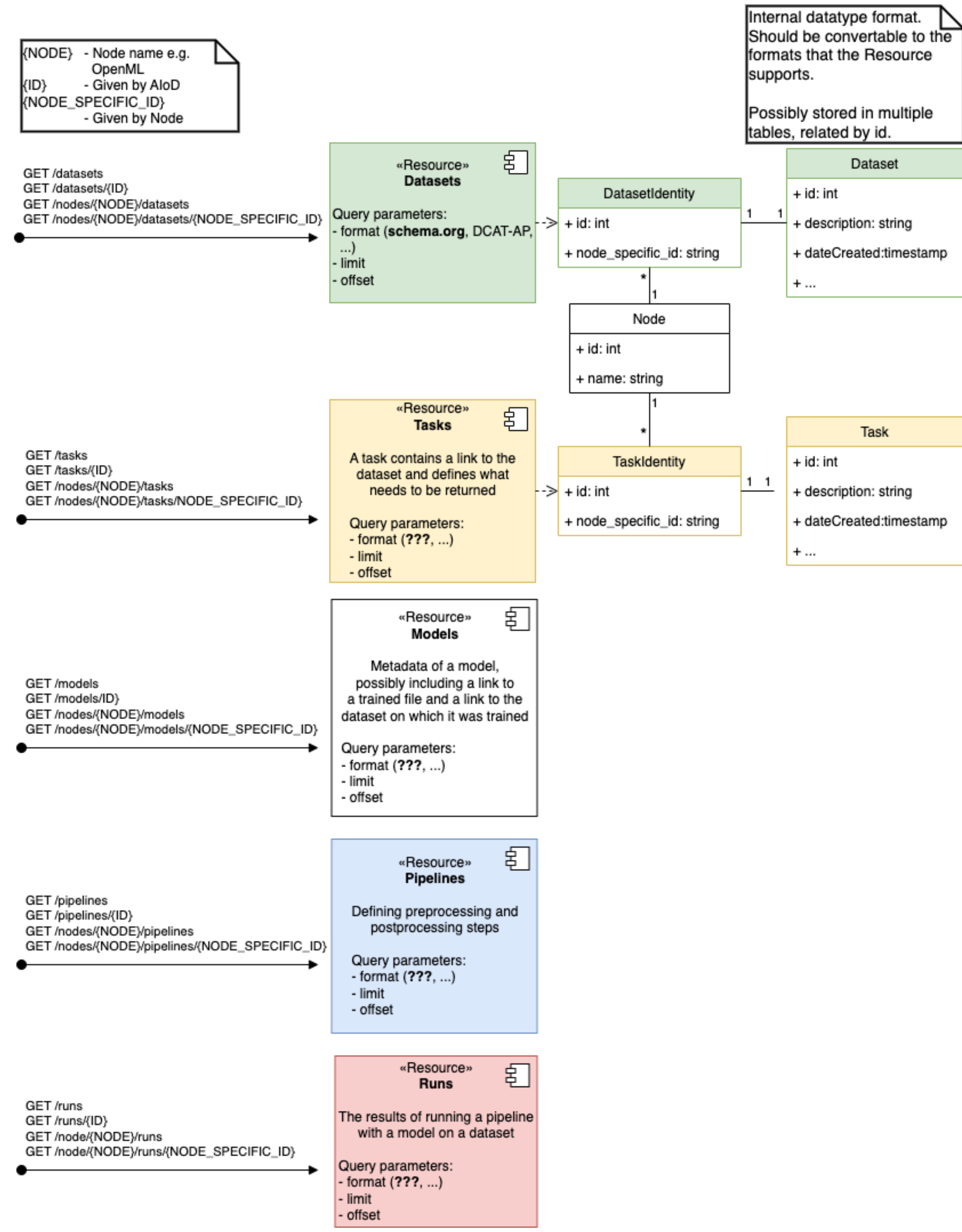


# API spec (rough sketch)



**Prototype implemented**  
(only datasets and papers)

<https://github.com/openml-labs/server-demo>





# API spec (sketch)

