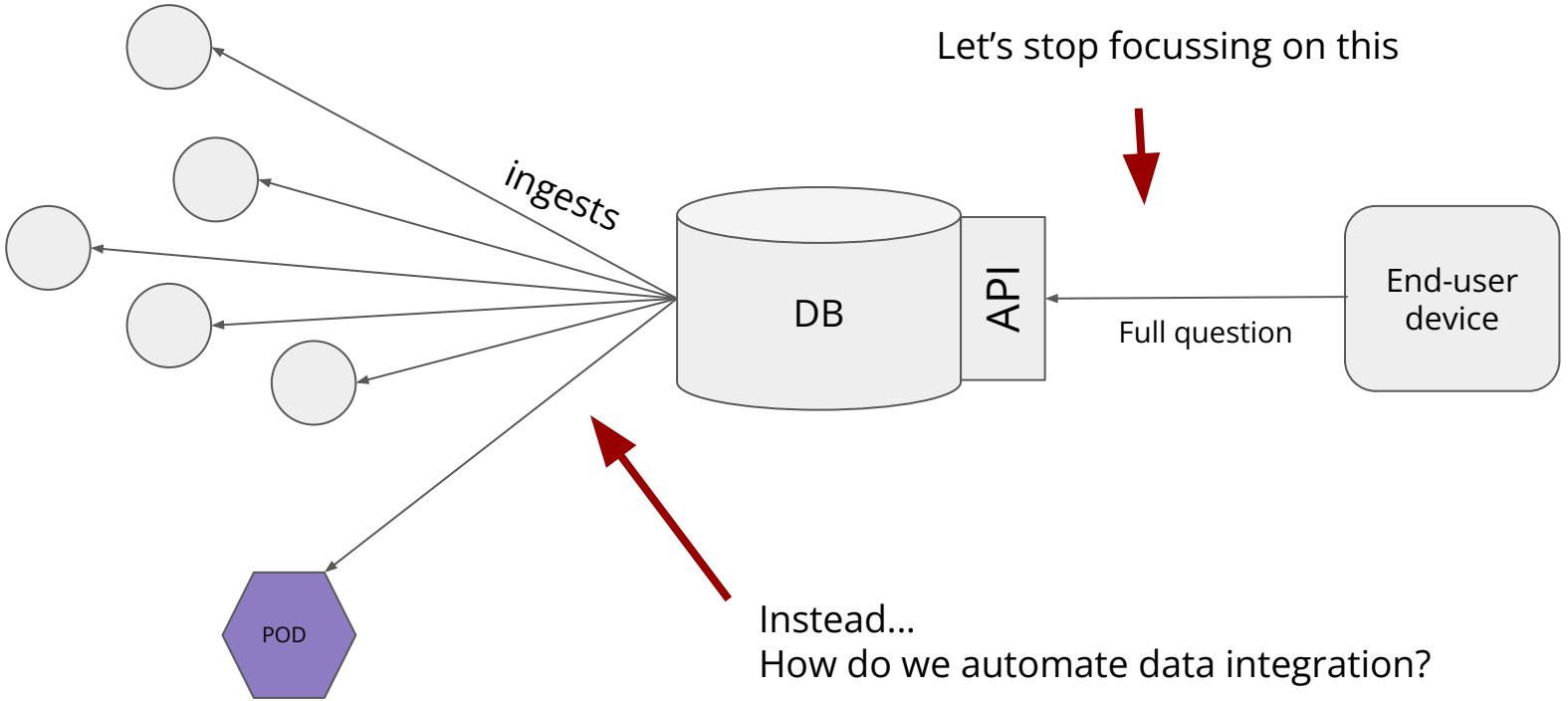
Interoperability across data spaces with Linked Data Event Streams

https://pietercolpaert.be

Querying data spaces

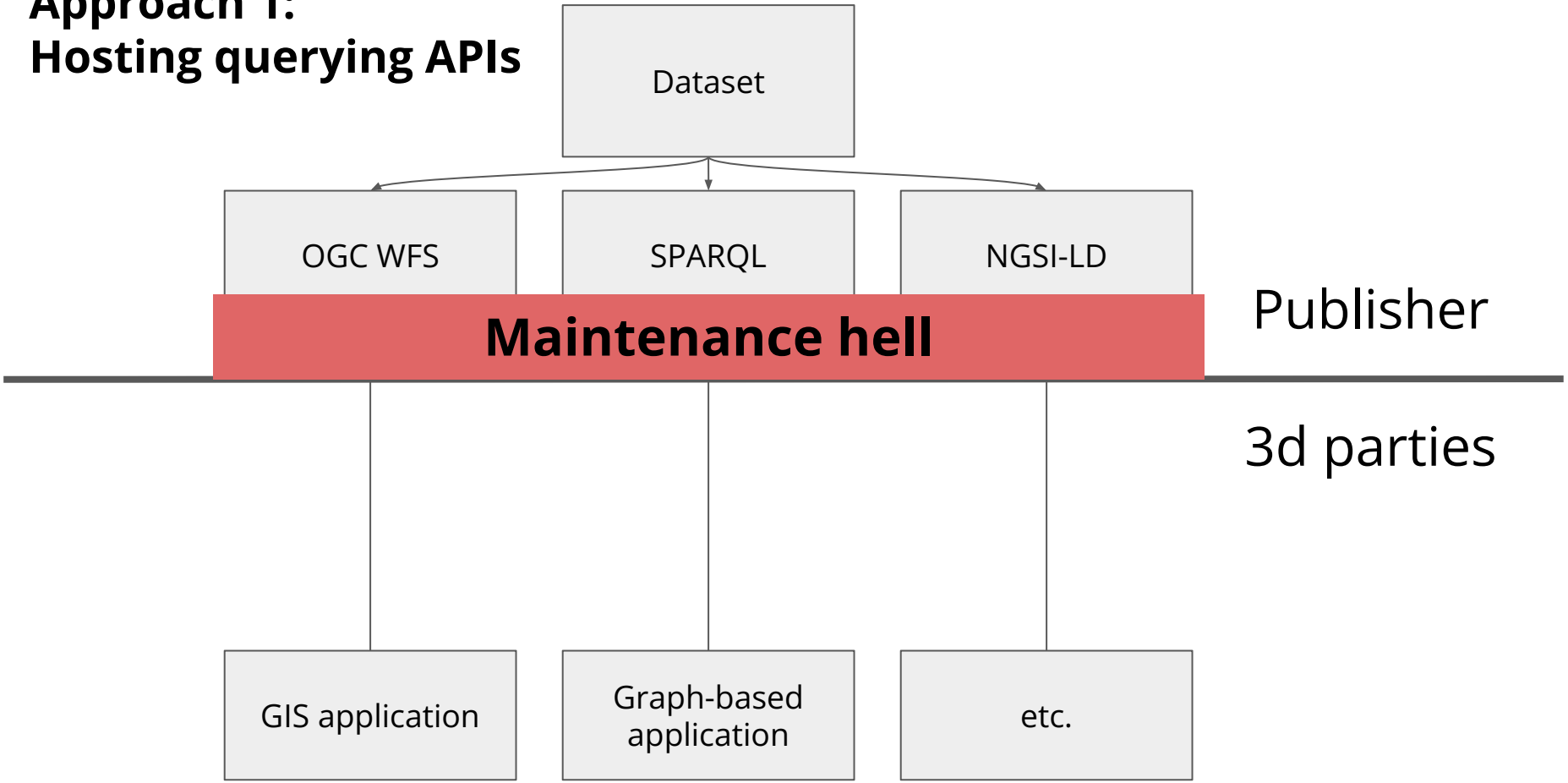


Given we have automated contractual agreements through GAIA-X…

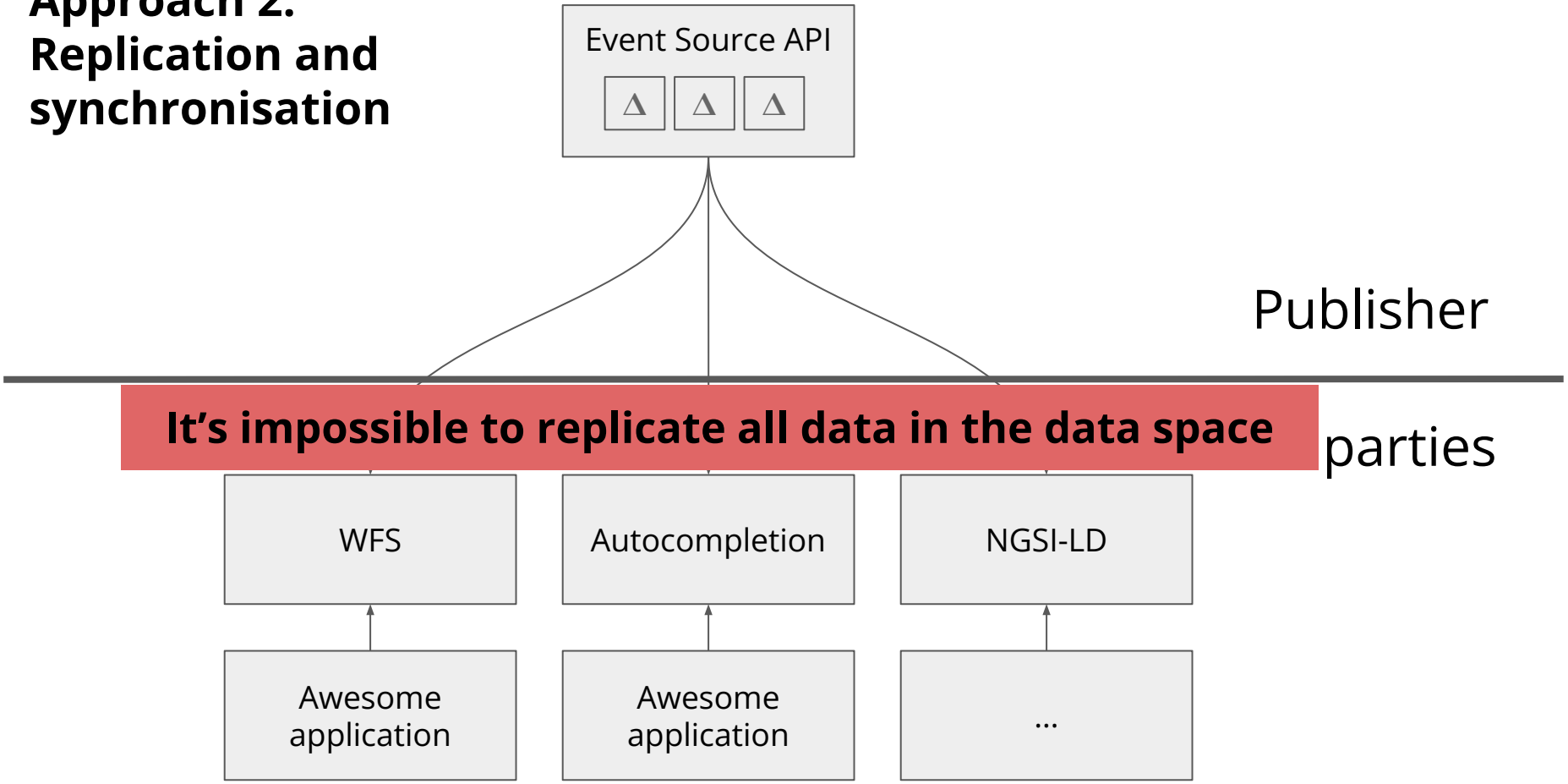
And we use Linked Data with standardized vocabularies

What’s the best API to share a dataset?

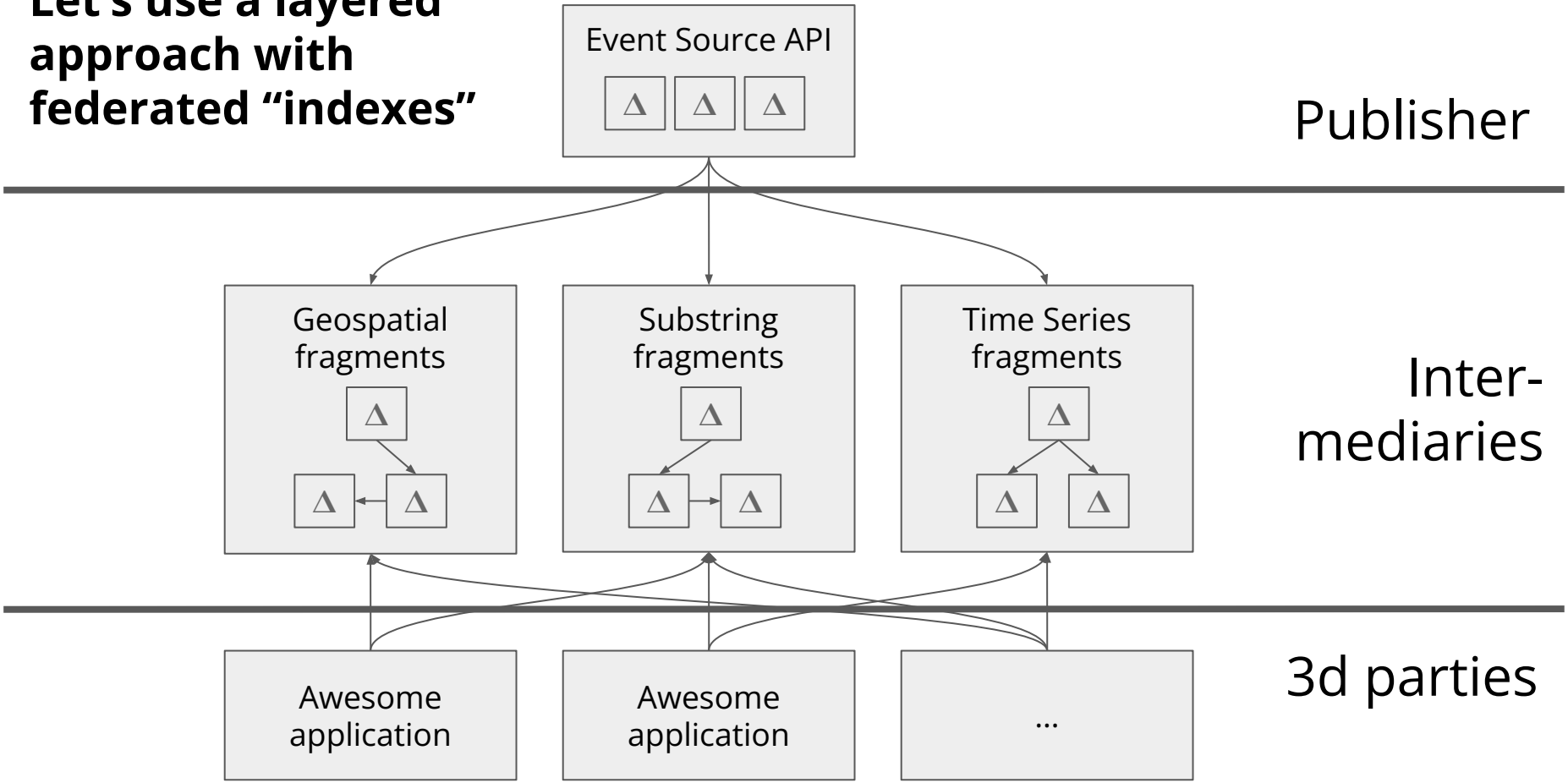
Approach 1:
Hosting querying APIs



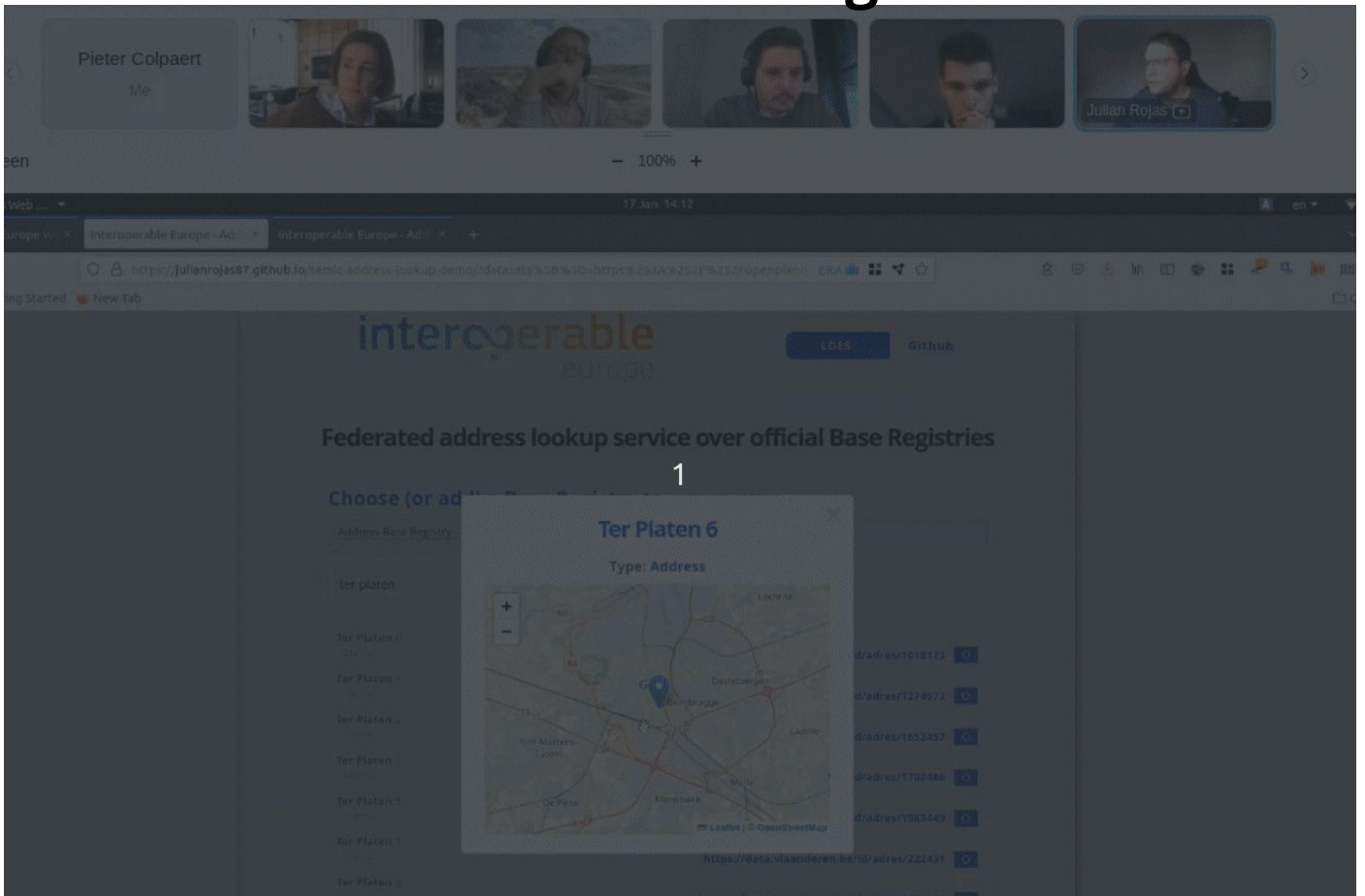
Approach 2: Replication and synchronisation



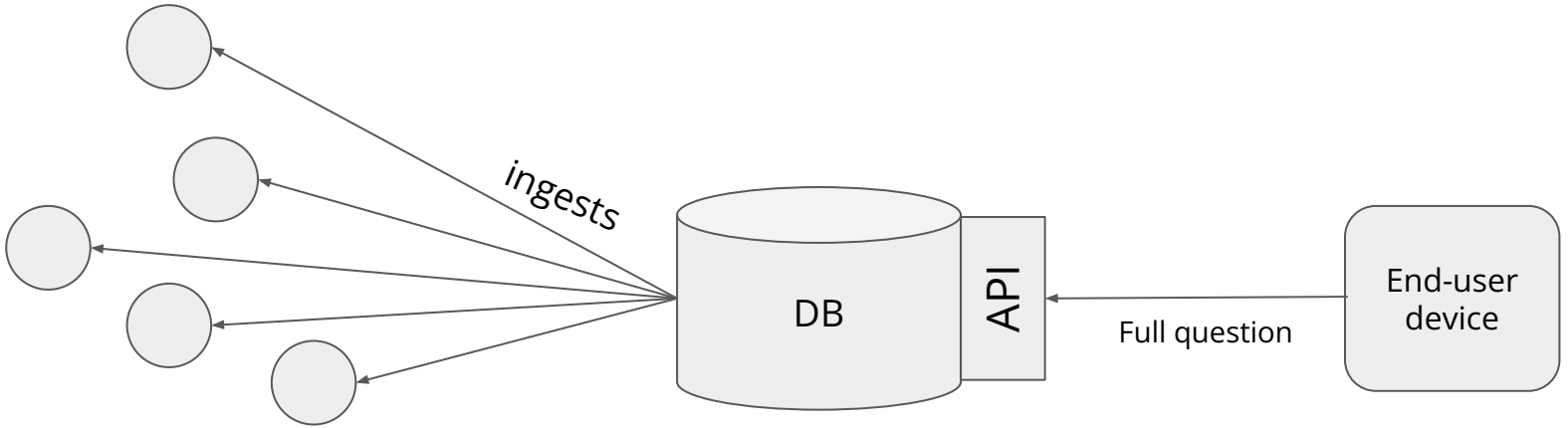
Let’s use a layered approach with federated “indexes”



Example from yesterday's Interoperable Europe Webinar: federated substring search



This cannot be called querying a data space...



Querying data **spaces**:
multiple servers and organizations collaborating