


E-Scan: Consuming Contextual Data with Model Plugins

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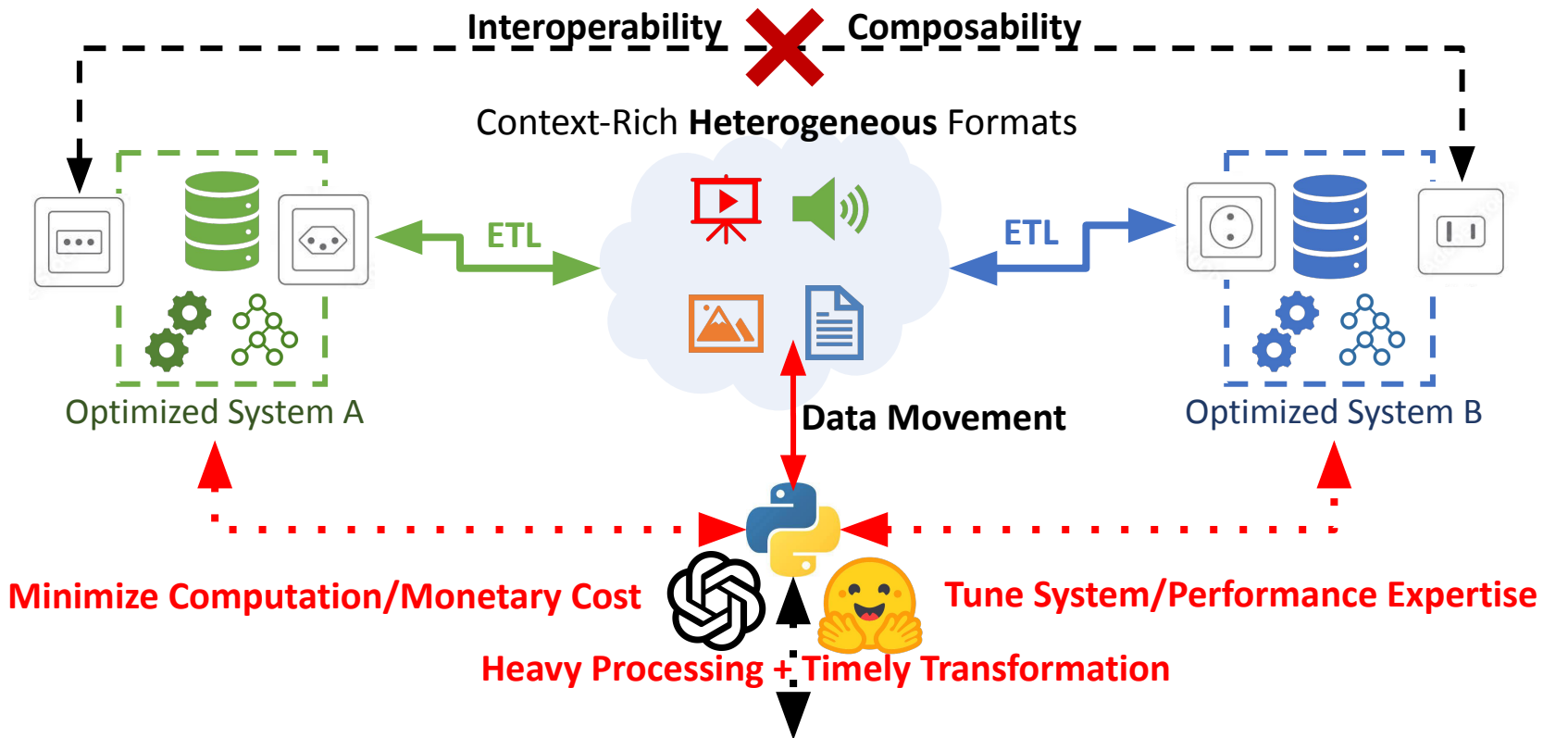
CDMS 2023



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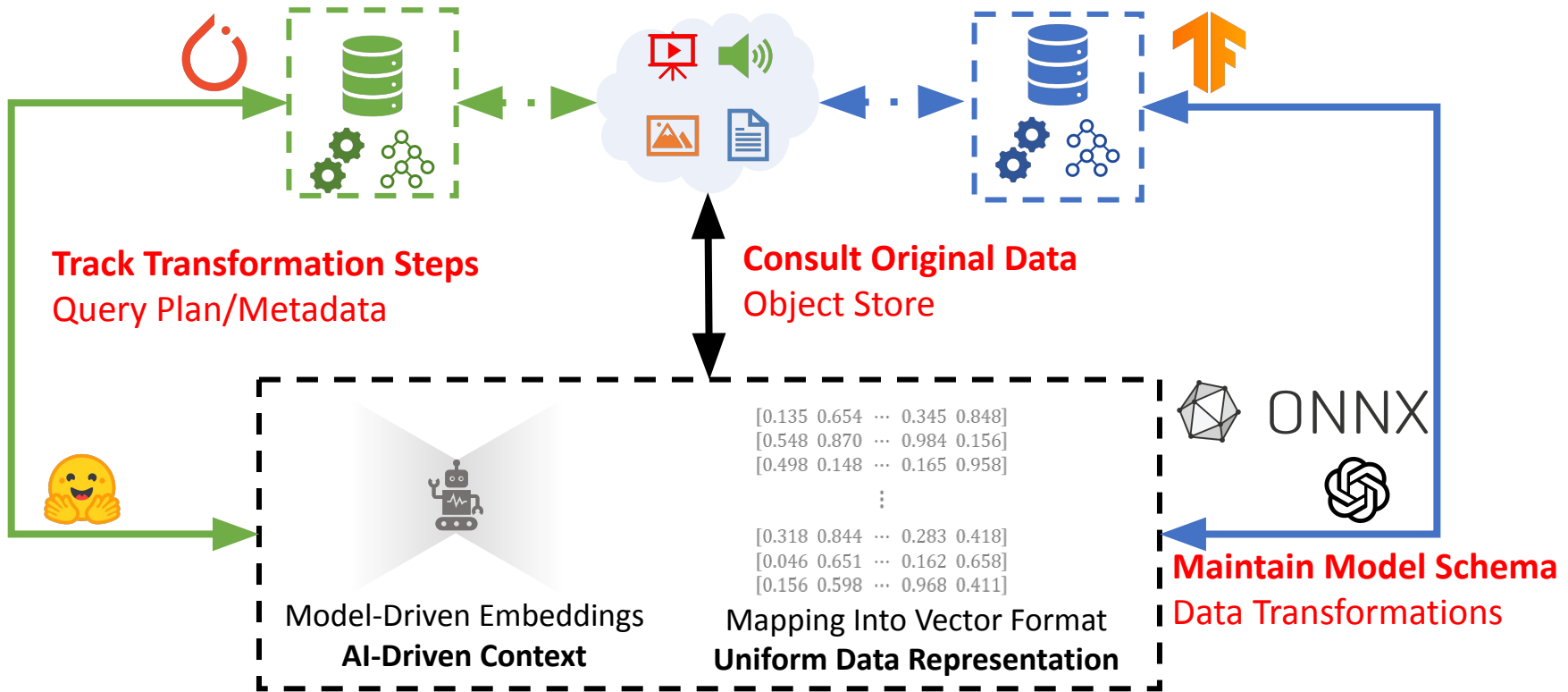


Data Consumption Paths Are Complex



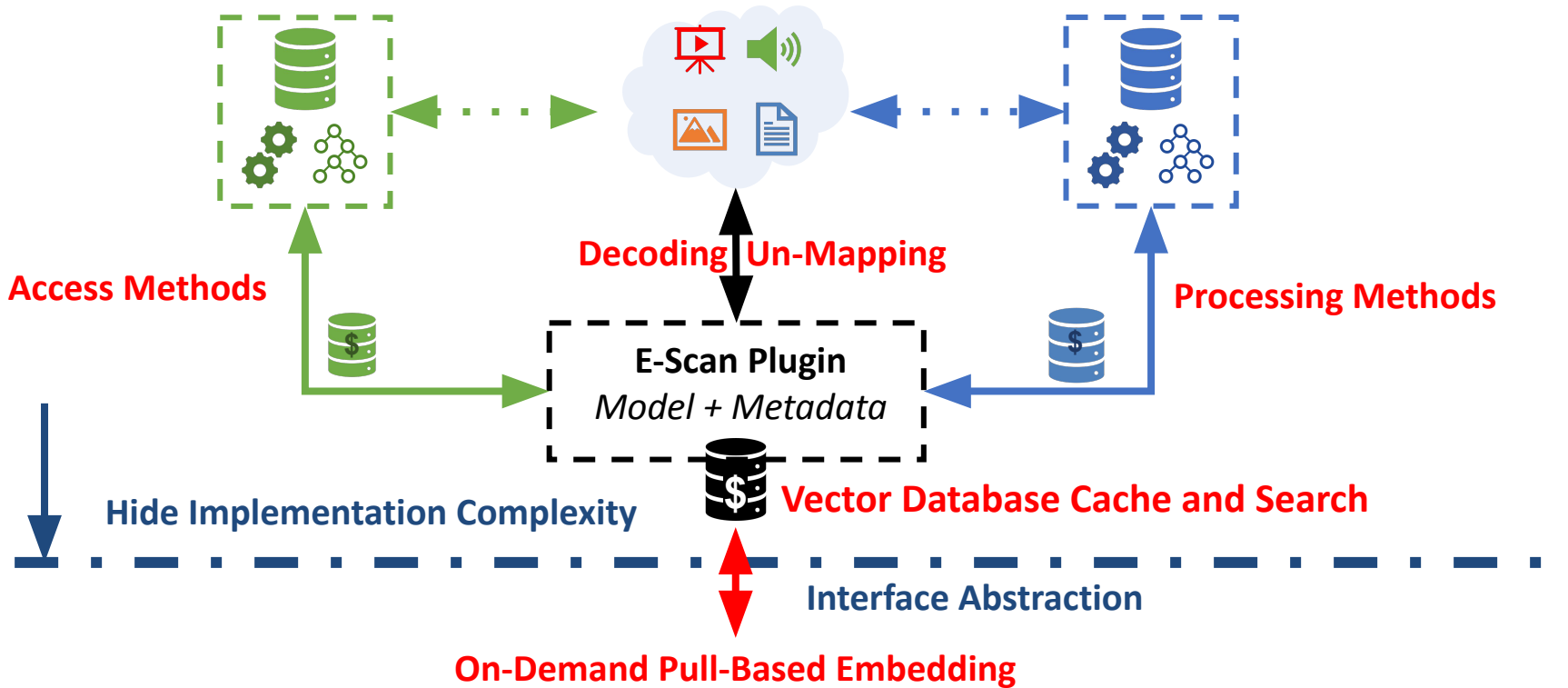
Optimizing complex data pipelines requires broad user expertise

Abstracting The Model-Driven Data Processing



Vector data management + maintain transformation information

Encapsulating The Complexity With E-Scan Plugin



Shift the usability burden from the user with a common lightweight engine

Composable Abstractions For Complex Data Consumption

Standardization and adoption of plugin-like interfaces

Analytics: APACHE **ARROW**  Open AI Plugins: **Microsoft Semantic Kernel**

Open Neural Network Exchange:  **ONNX**

Optimizing for the common case and extending industry-wide standards

Imperative implementation burden swapped for declarative interface

Encapsulating data exchange and consumption in a lightweight engine

Orchestration and plugin design for available components and systems

Simplify the complexity and improve performance in modern pipelines

Call for action! What are your pain points in usability/production?

July 2023

<https://learn.microsoft.com/en-us/semantic-kernel/overview/>

