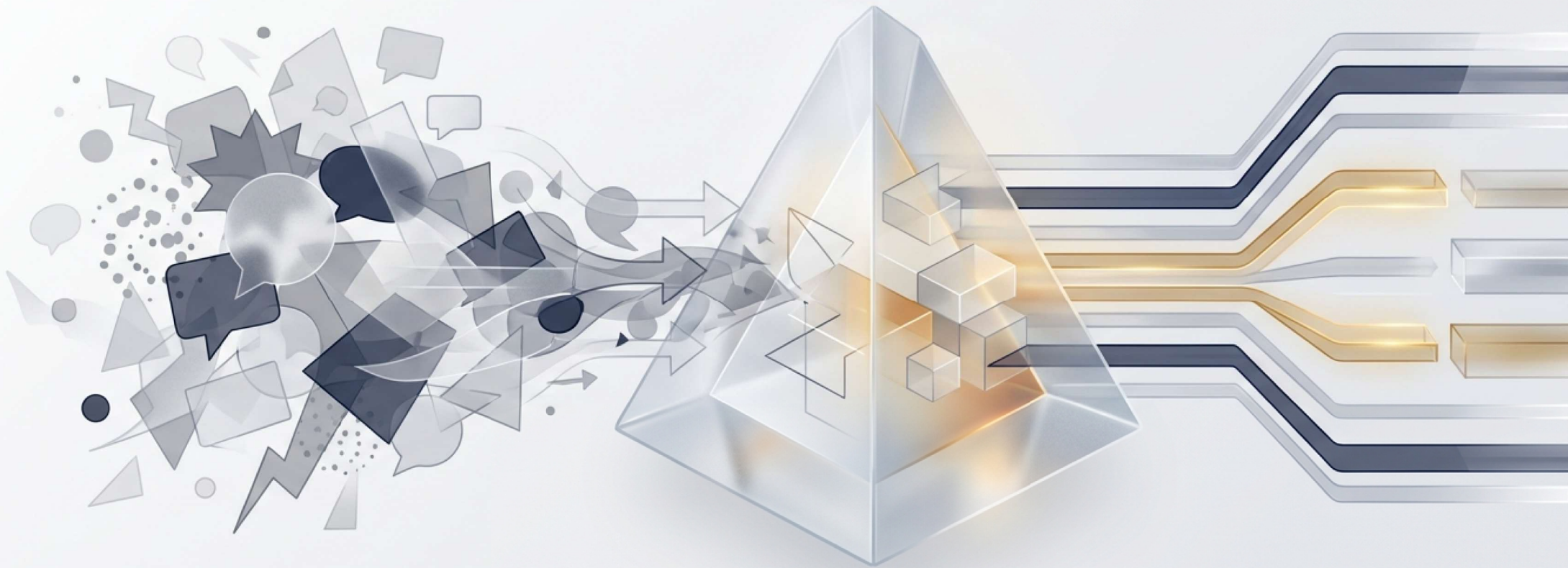


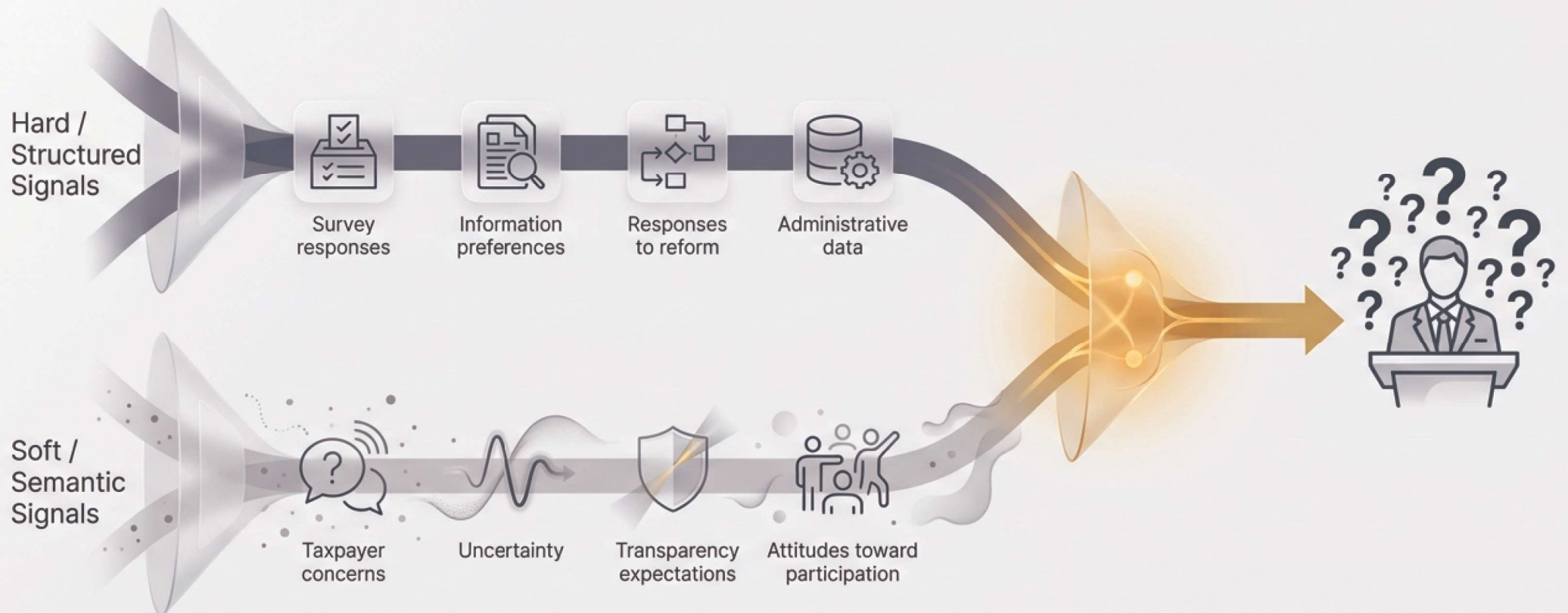
Transparent AI for Taxpayer Communication

An explainable decision-support system based on the LLM-LEM2-SQL architecture for communicating and monitoring taxpayer acceptance of fiscal changes.



The Challenge: Diverse Reactions to the Same Reform

Identical information triggers vastly different responses. Uniform communication fails because it doesn't address the underlying reasons for acceptance or rejection.



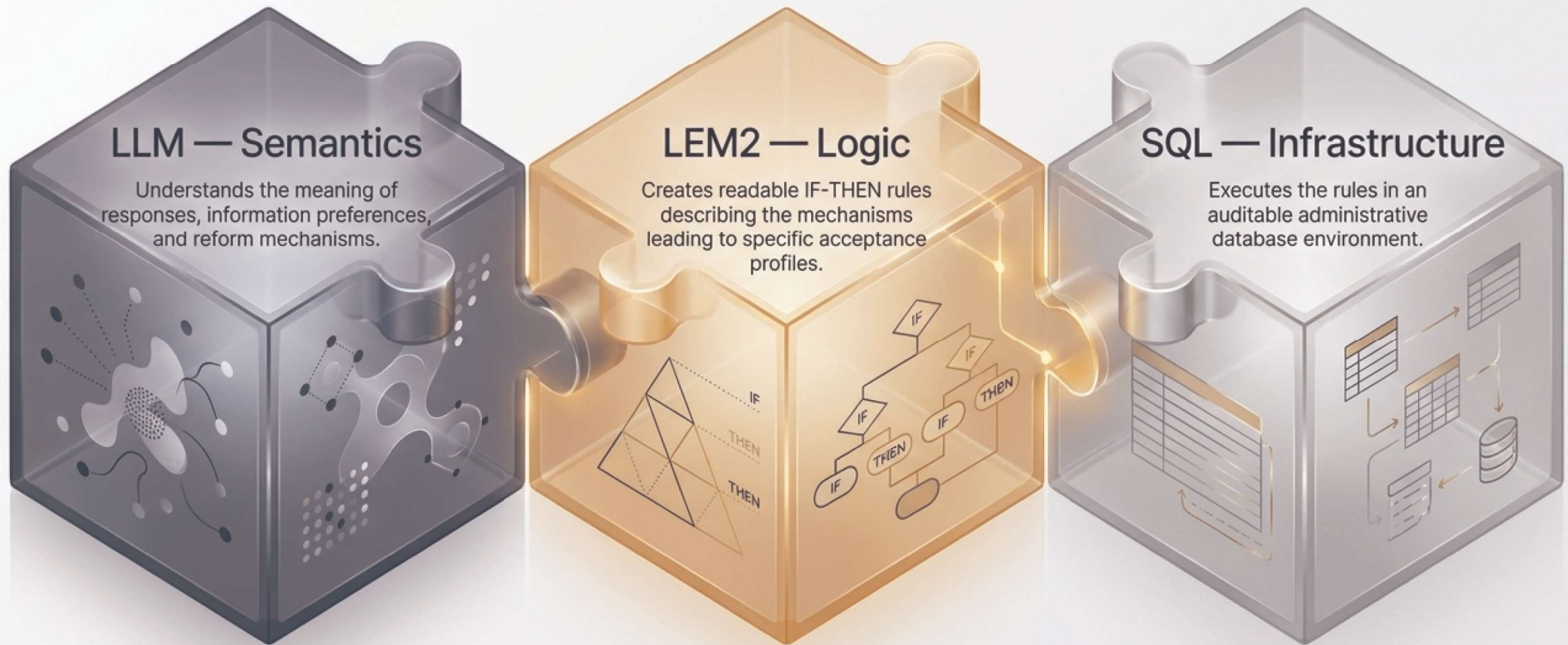
Why 'Black-Box' AI Fails Public Administration

Public administration demands auditability and explicit logic, not opaque probabilities.

	Traditional Uniform Communication	Black-Box AI	Hybrid LLM-LEM2-SQL System
Processing Complex Feedback	Low	High	High
Explainability of Profile	Medium	Low	High
Auditability	Medium	Low	High
Integration with Admin Databases	N/A	Difficult	High (Native SQL)
Human Oversight	High	Limited	Explicitly Retained

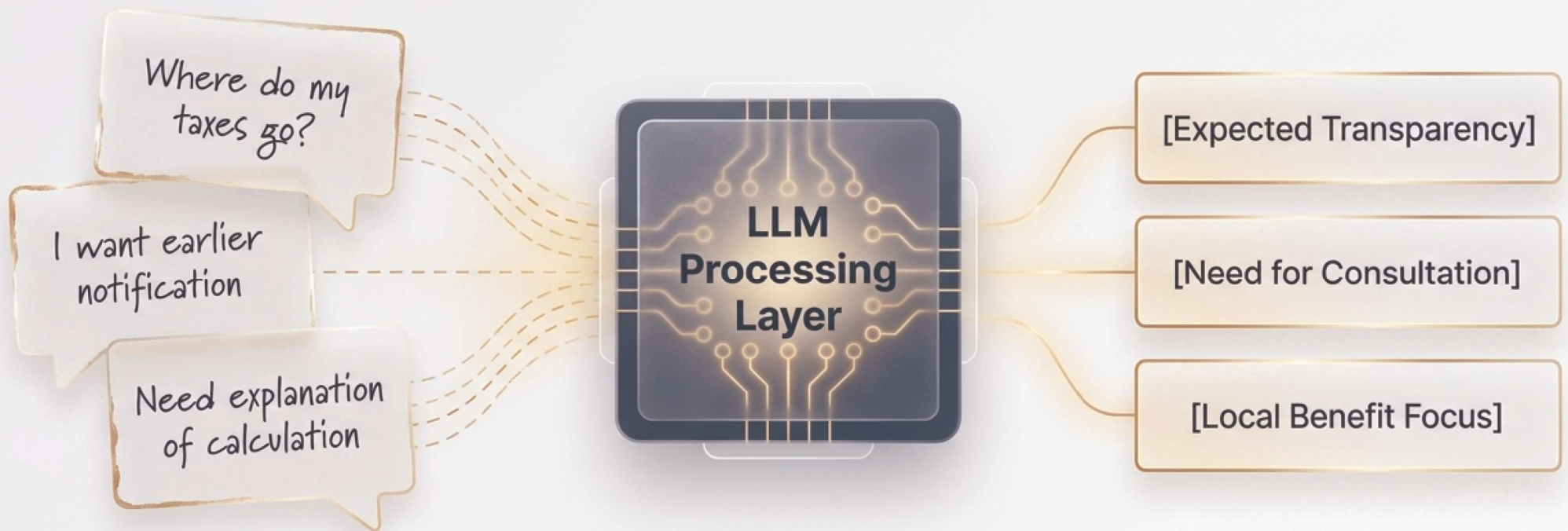
Three Pillars of Transparent Communication Support

LLM discovers meaning. LEM2 explains the logic. SQL deploys it securely.



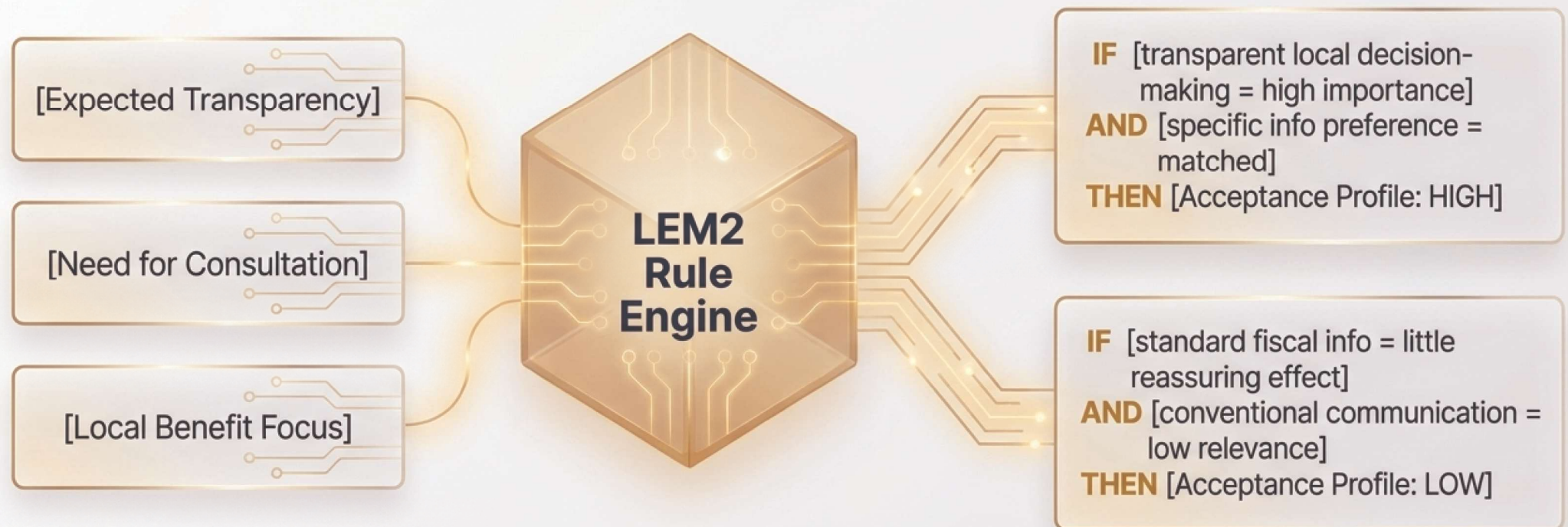
Step 1: Semantic Organization of Citizen Signals

The LLM does not decide the taxpayer's profile. It translates messy, unstructured feedback into organized semantic descriptors.



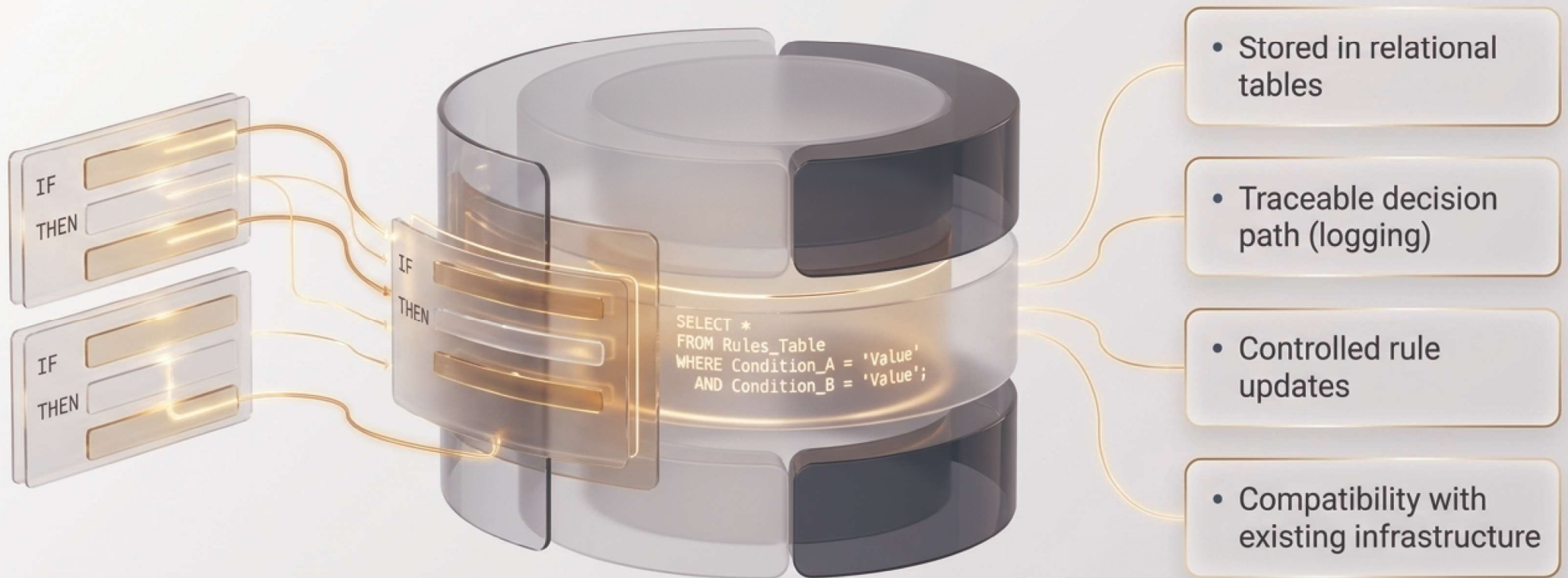
Step 2: Discovering Transparent Acceptance Mechanisms

Moving from opaque probabilities to readable IF-THEN pathways that explain exactly why an acceptance profile is identified.



Step 3: Deployment in an Auditable Administrative Core

Explainability is not just a visual concept. It is executable code stored securely within the administration's existing relational databases.



The Complete Human-in-the-Loop Workflow

The system does not conduct tax policy on your behalf.
It provides explainable insights to support your conversation.

