



AI Layers Above Surface

Ownership Lineage AI

Conflict Risk AI

Encumbrance AI

Zoning AI

ESG AI

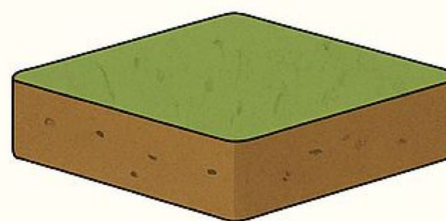
Carbon AI

Valuation AI

Tokenization AI

Stamp Duty AI

Geo Hazard AI



Land Parcel
(Core Unit)

AI Layers
Below
Surface

AI Layers Below Surface

Soil AI

Groundwater AI

Geo-Structural AI

Mineral AI

Subsurface Infra AI

Subsidence AI

Geo Hazard AI

Canonical & Metadata Layer
(Foundation)

AI Layers for a Land Parcel

Level +1: AI Layers Above Surface

Parcel Trust Score

Natural Language Chat

Mutation Simulation

Tokenization Readiness

Valuation & ROI Prediction

Carbon Potential & Regeneration

ESG & Climate Risk

Zoning & Land Use

Boundary Intelligence

Encumbrance & Lien

Legal Conflict Prediction

Ownership Lineage

Level 0: The Land Parcel

Subsurface Carbon & Biomass

Subsurface Infrastructure

Mineral & Subsurface Resource

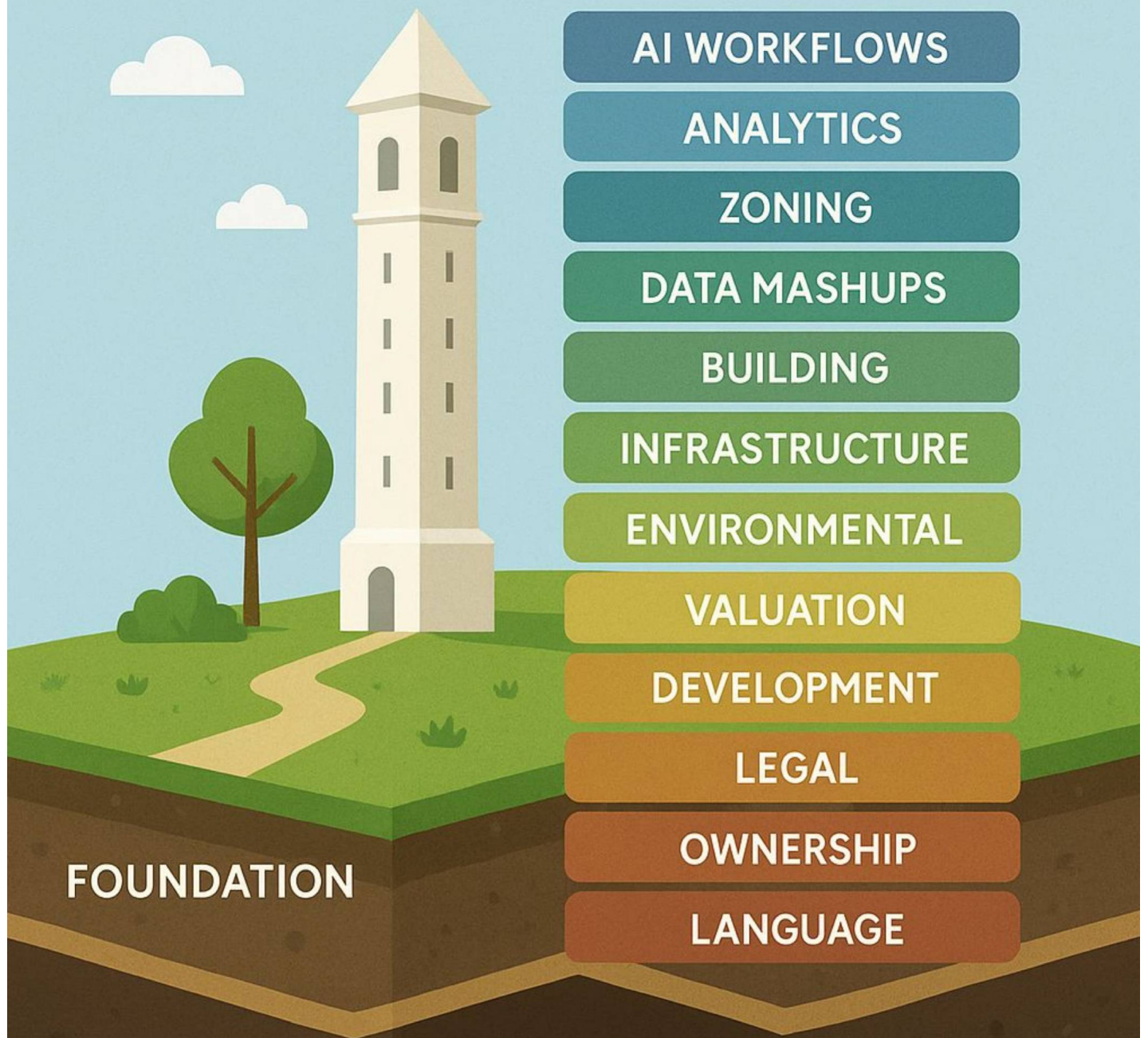
Geo-Structural

Groundwater

Soil Composition & Fertility

Canonical & Metadata Layer
(Trusted Source & AI Fuel)

AI LAYERS ABOVE AND BELOW SURFACE



ABOVE SURFACE



Agri



Infrastructure

Regulatory

Environmental

Geohazard



Valuation



Physical



Suitability

Civic



Proximity



Zoning



Language

Ownership

CANONICAL & METADATA

BELOW SURFACE



Hydro



Soil



Hydrogeolo

Geohazard



Soil



Geotech

