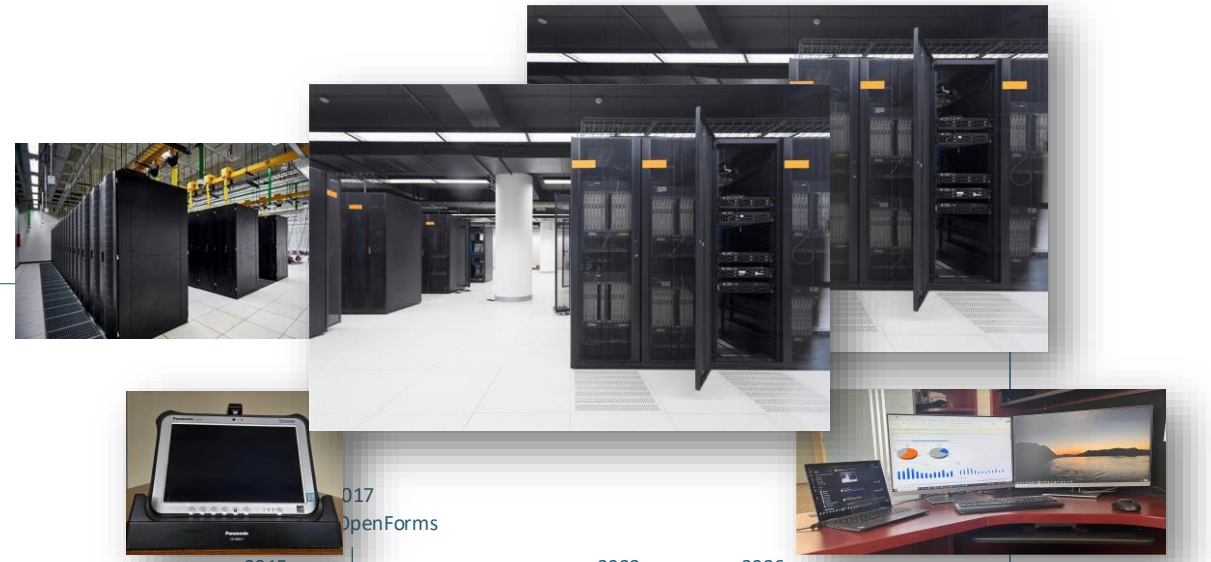

UPDATE
Customers
Costs
Income
Plan

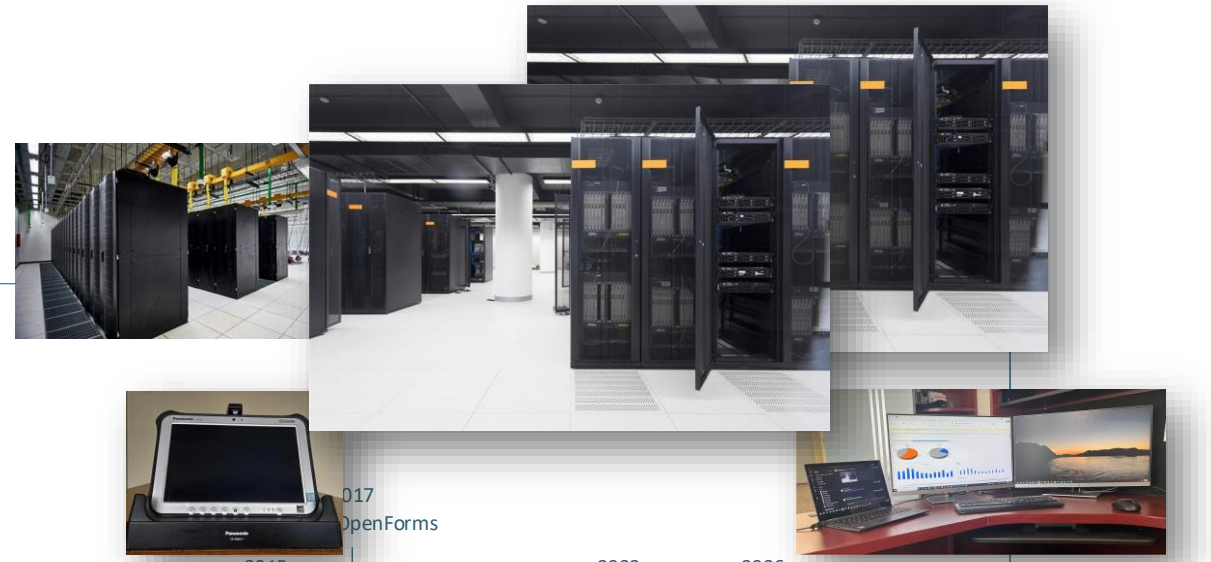
Agenda

- Technology Timeline
- Continuous Improvement
- Innovation
- GIS Working Group

Technology Timeline



Technology Timeline



Continuous Improvement

- Divisional approach
- Focus on process
- Smaller incremental changes
- Created a Manager of Continuous Improvement role in 2024 reporting to the CEO

Continuous Improvement - Outcomes

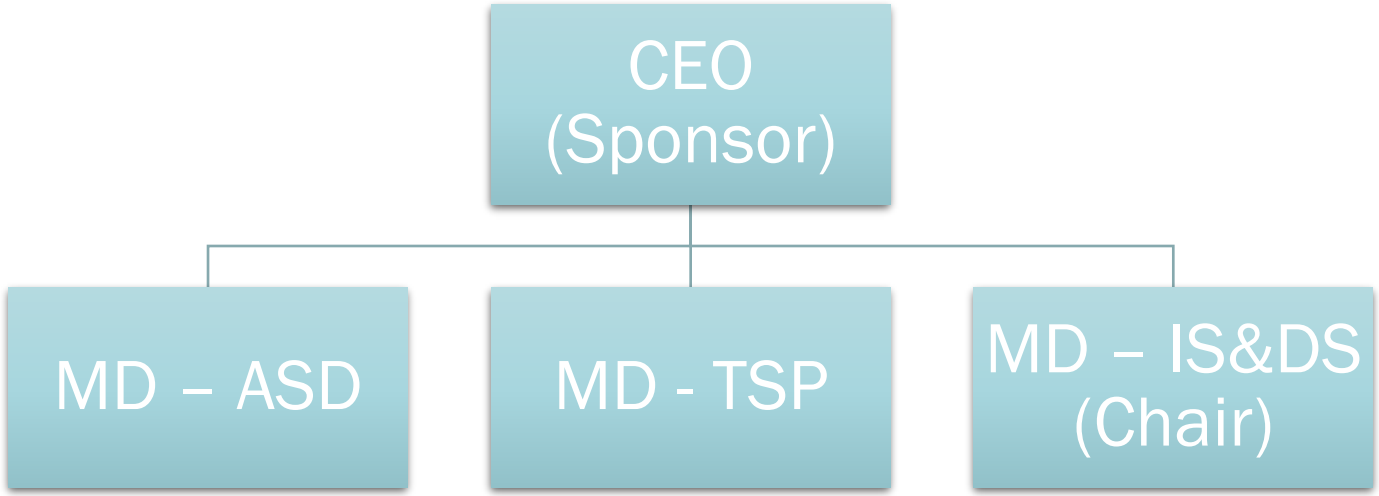
- Reinspection / Maintenance process standardization (2007-2009)
- Oil and Gas Standardization (2026)
- Revaluation (2025 – in progress)
- GIS

Innovation

- Focus on capability (people / process / knowledge / technology)
- Multi-divisional
- Continuous improvement on steroids
- Radical change

Innovation Steering Committee

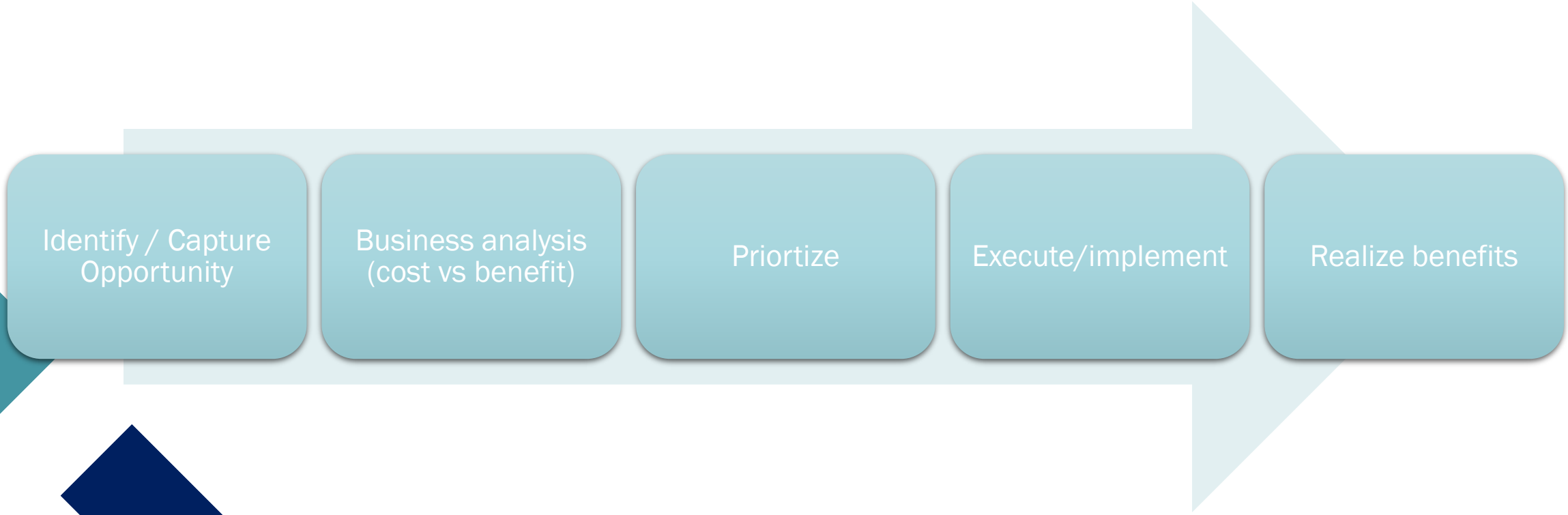
- Mandate: drive operational efficiency and assessment quality through the strategic application of technology and process innovation



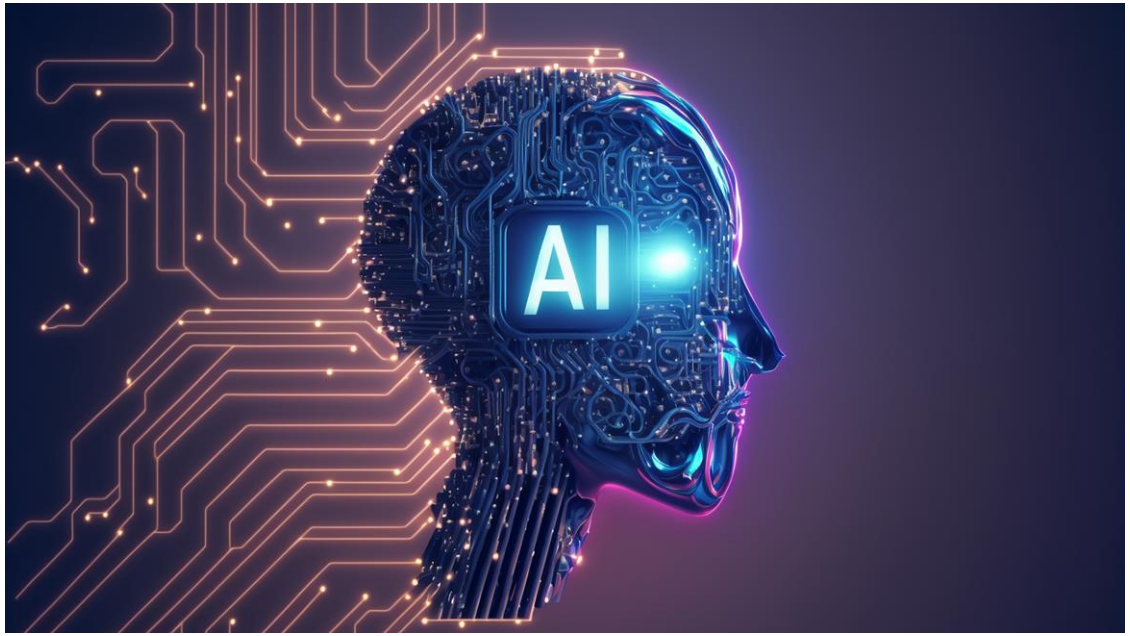
Innovation Steering Committee

Strategic Objectives		
Operational Efficiency	Technical Quality	Revenue Generation
• Capability Optimization	• Precision and Defensibility	• Stakeholder Offset

Innovation Pipeline



Leveraging technology to radically improve business capability



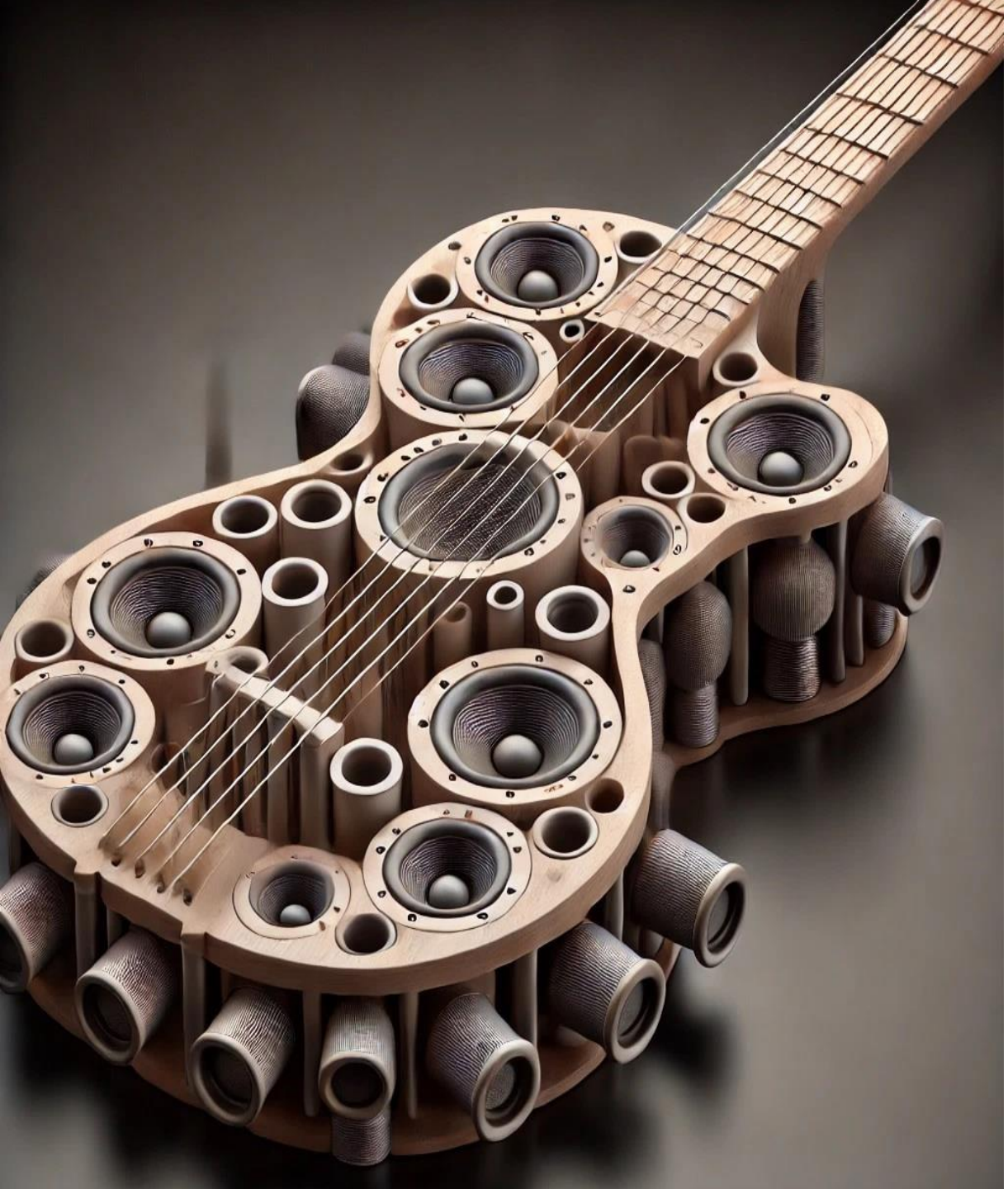
Artificial Intelligence

- AI enabled voice CAMA entry
- Quality
- Machine learning with GIS
- Model analysis / development
- Automation

ChatGPT

“AI” isn’t always as “I” as we would like it to be!

My request to ChatGPT: *I want to design an acoustic guitar with 3 tunable ported sound chambers. One for bass, one for midrange and one for treble.*



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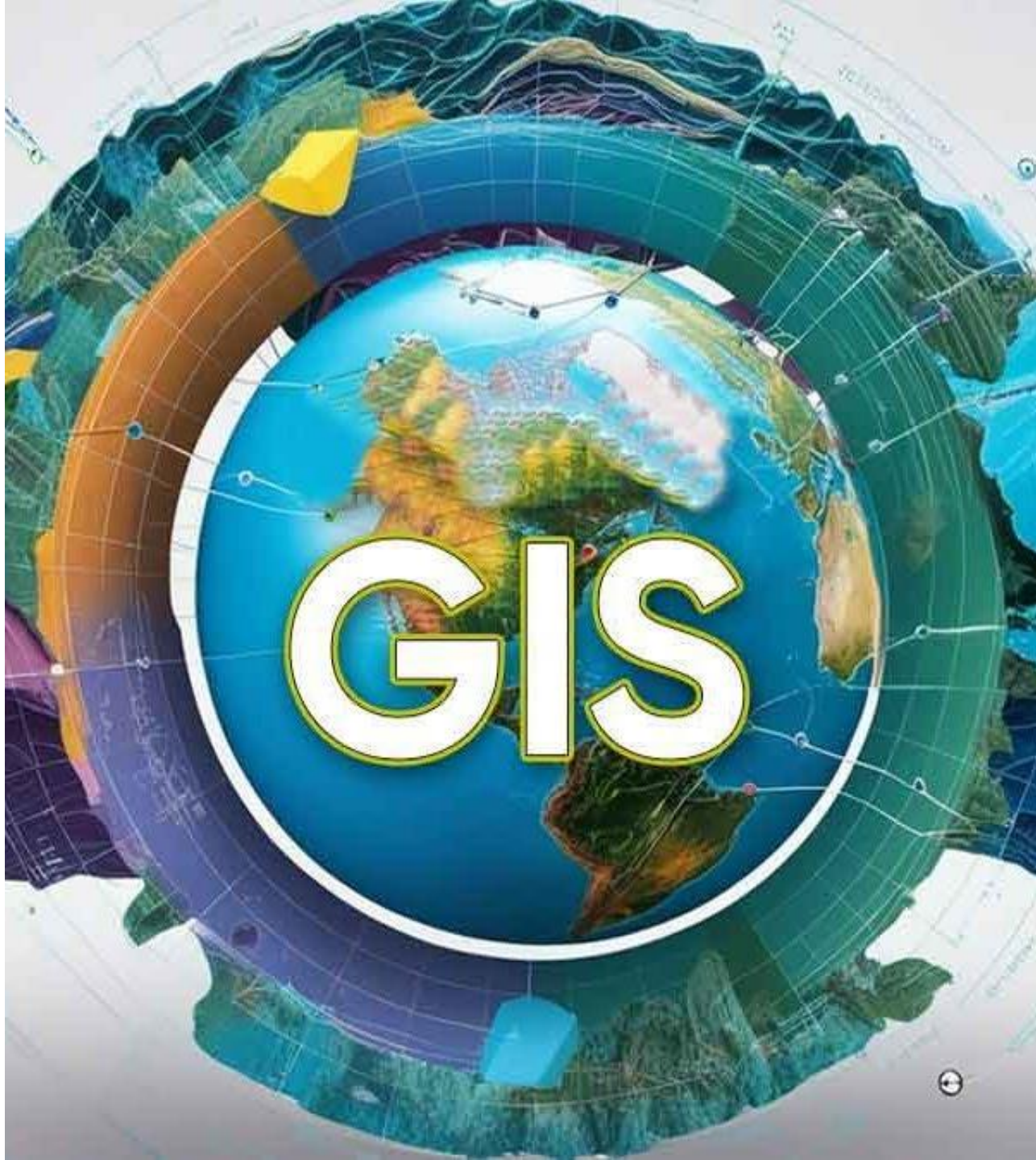
GIS

- GIS Working Group / GIS Exec Committee
- Mandate to use GIS tools to improve assessment efficiency and quality
- Representation from ASD, TSP and IS
    - 2 full time GIS specialists



GIS - examples

- SAMAView enhancements
- Railway buffer data collection
- Flooding frequency analysis
- Residential dashboard
- Automated trend map generation

GIS – in progress

- Revaluation support
    - Sales Analysis
    - MRA locational variable detection
    - Internal value trend analysis

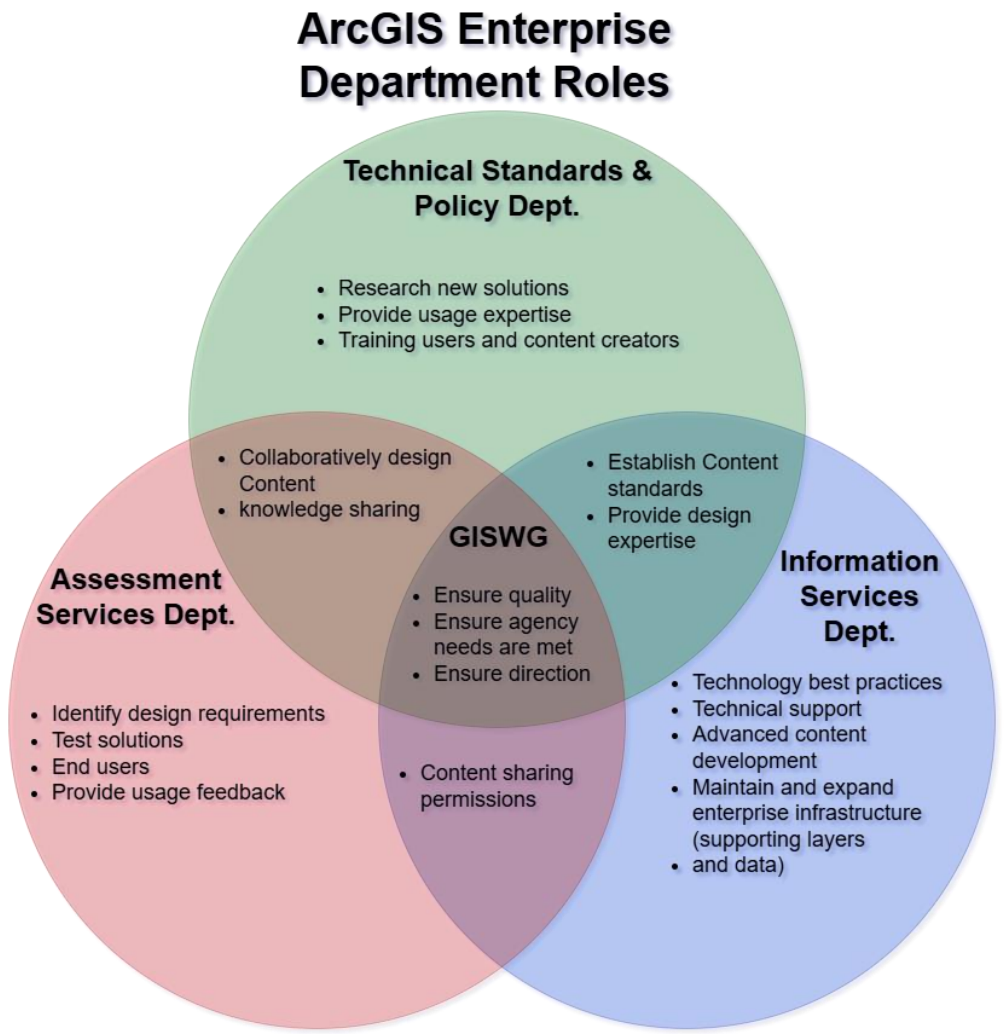
GIS Demo

Technology Update – GIS

Kim Hardy & Evan Brandt

What is The GIS Working Group?

- Interdivisional initiative
- Drives advancement into GIS technologies
- Identify the potential use cases where GIS can create value for the agency and its stakeholders

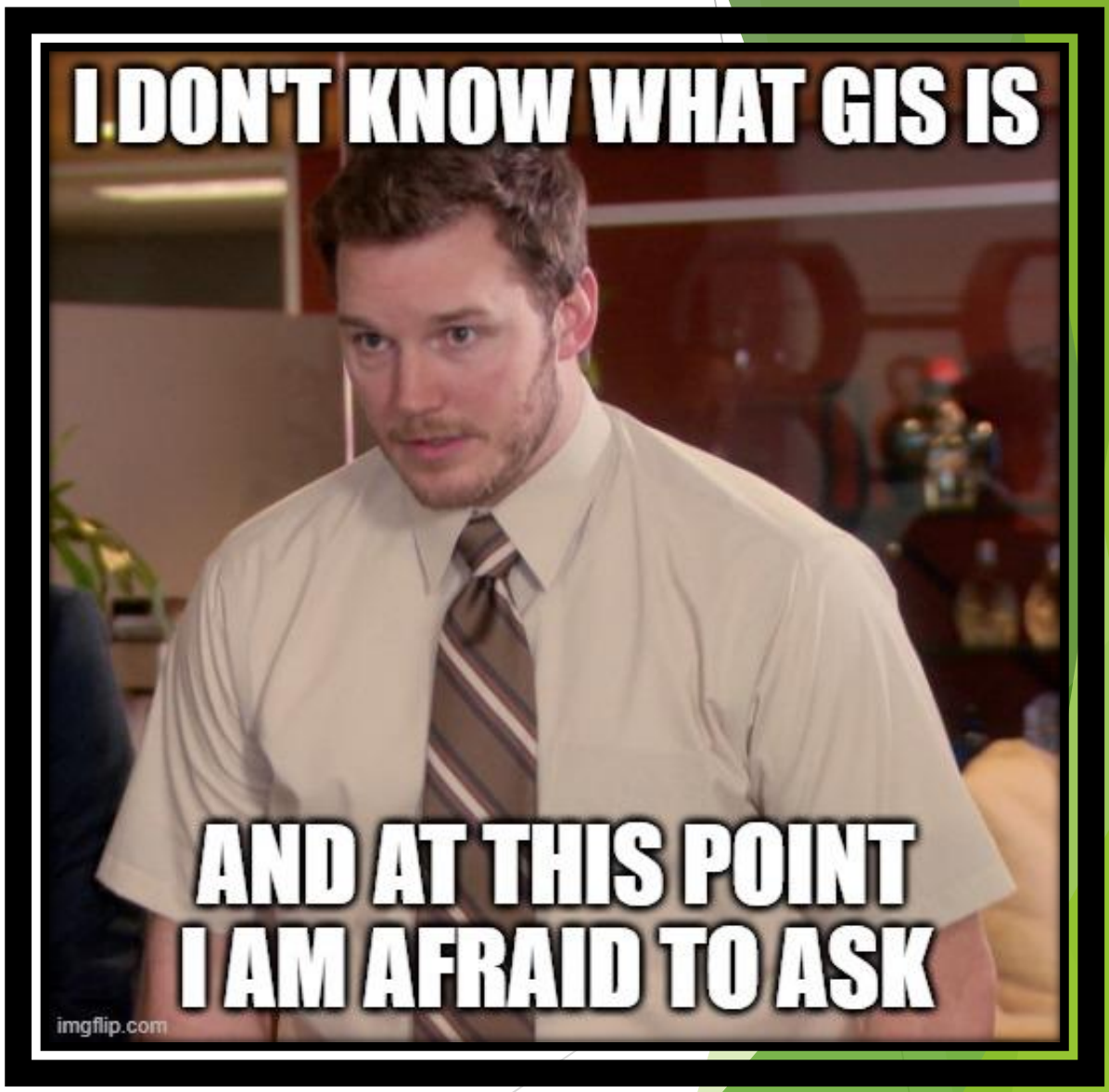


What is GIS

- **Geographic Information System**

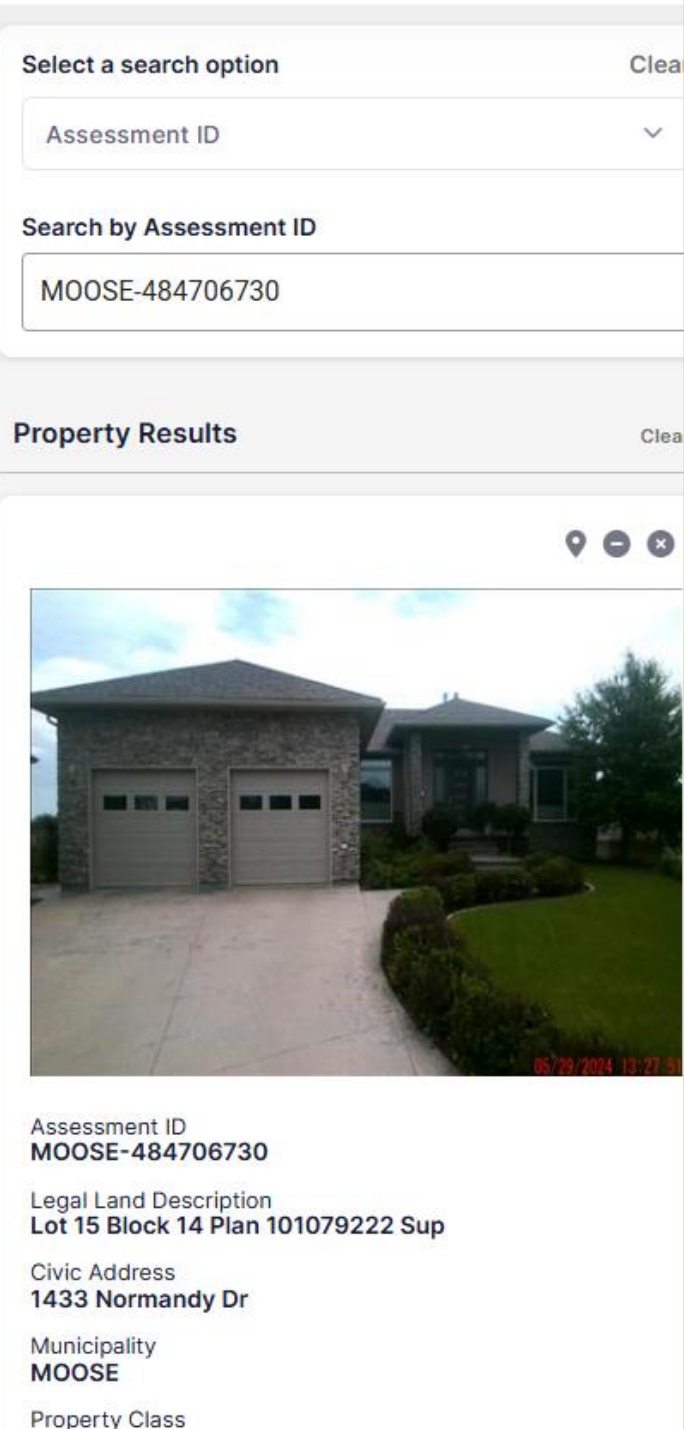
*"A computer system that captures, stores, analyzes, and **displays geographically referenced information**."*

- Associates Information with places
- Spatial Data
- Example:



samaVIEW

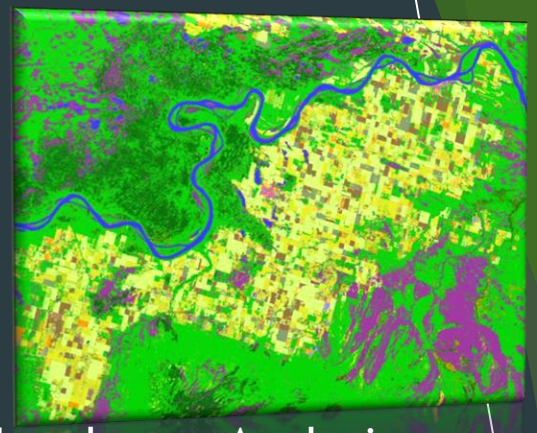
- SAMAView is a GIS Web App
- **Information** tied to a **Place**



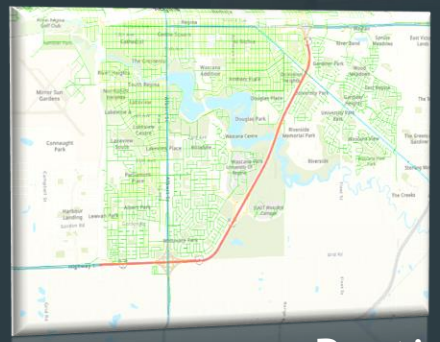
Potential GIS Uses

Centre Pivot Detection

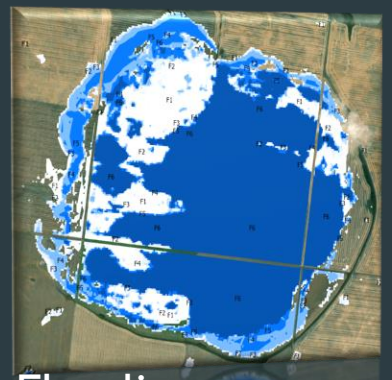
Oblique Imagery



Landcover Analysis

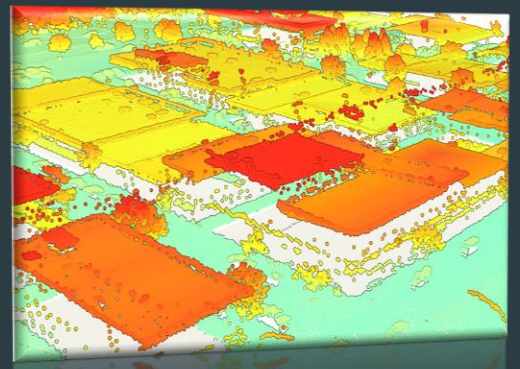


Routing



Flooding

LiDAR



Dashboards

Revaluation and Quality Initiatives

Sales Data Application

- Increase quality
- Enhanced data exploration
- Map sales through time
- Dynamic statistic analysis

Locational Variables Detection

- Increased quality
- Increased consistency
- Automated and can adapt to changes

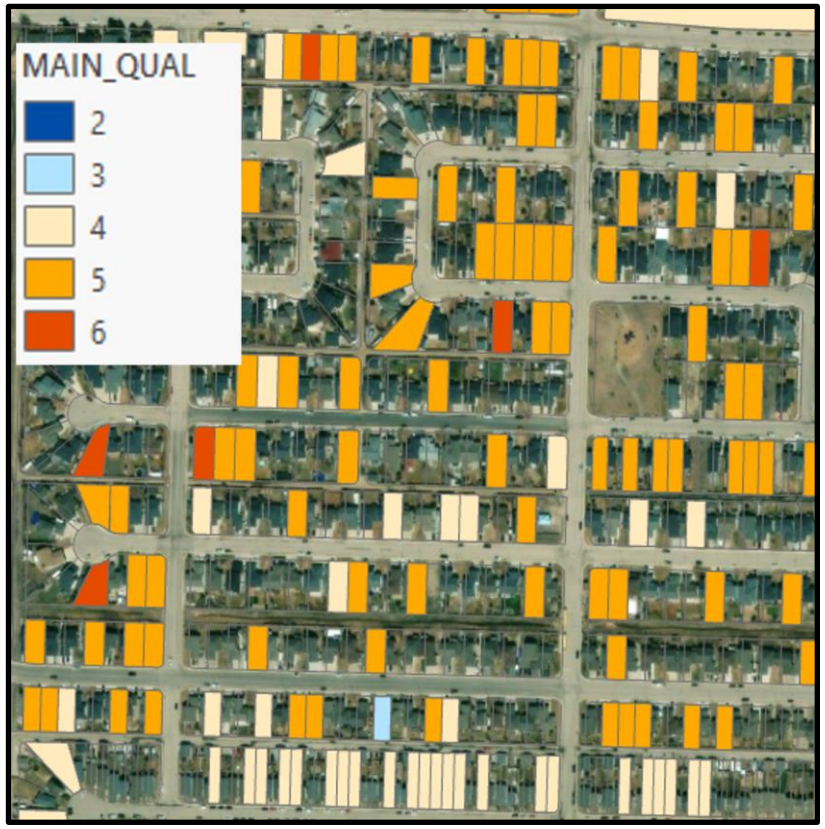
Value Trend Application

- Enhanced data auditing
- GIS based validation capabilities
- Early outlier detection maps

Sales Data Application

Curb Adjustment

Residential – Main Quality



Locational Variable Data

Variables can impact the market value of properties

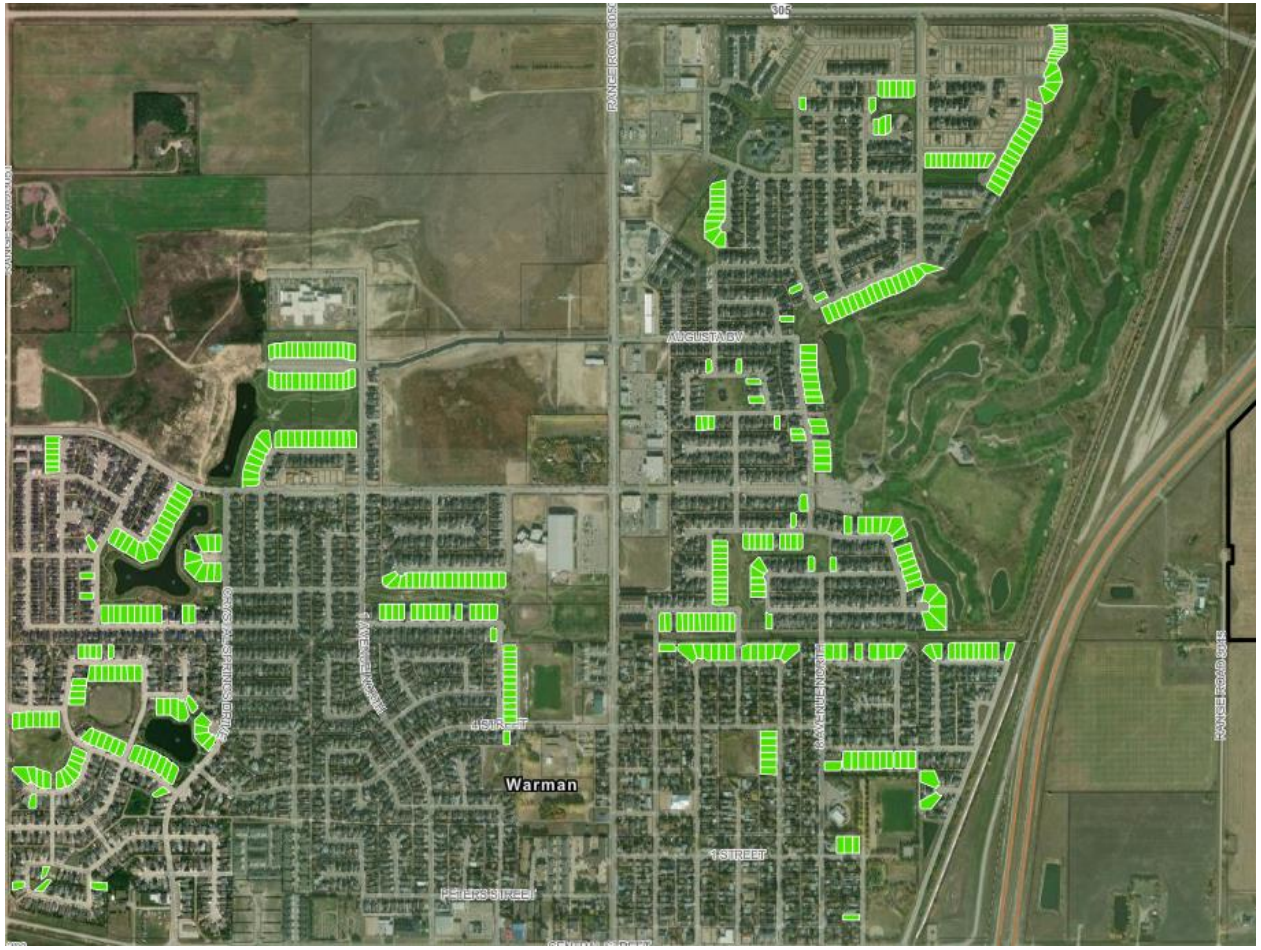
Locational variable data must be collected and correctly applied to sales and property records

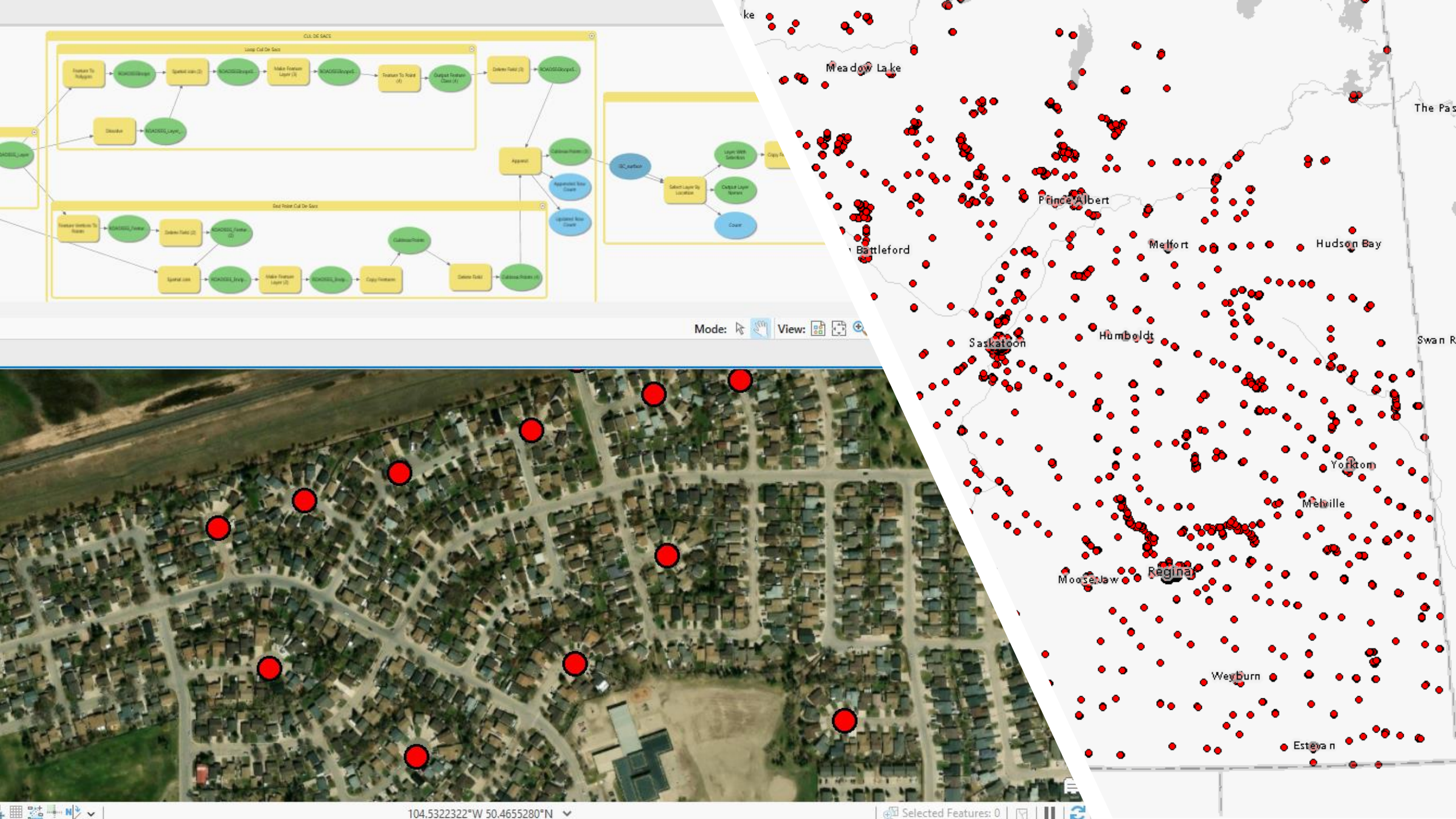
Appraisers manually collect locational variable data

GIS can automate this at provincial scale

Locational Variables Definitions

- Abuts apartment
- Abuts com/ind properties
- Abuts highway
- Abuts main traffic artery
- Abuts greenspace
- Abuts railway
- Abuts school
- Alley
- Corner lot
- Cul-de-sac
- Overhead wire/electrical



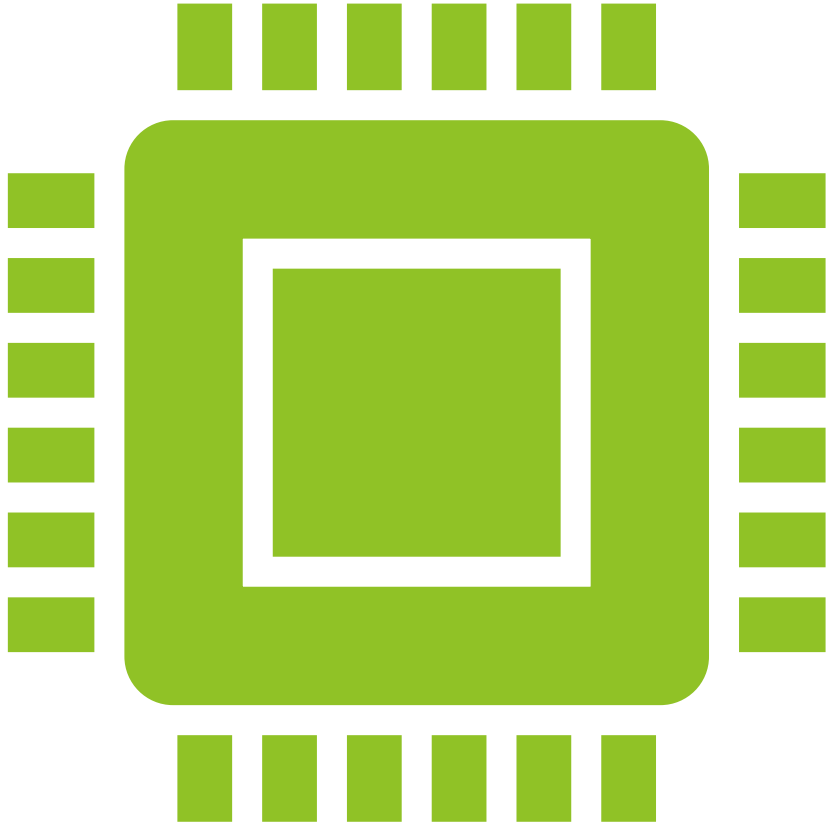

Meadow Lake
Prince Albert
Battleford
Melfort
Hudson Bay
Saskatoon
Humboldt
Yorkton
Melville
Moose Jaw
Regina
Weyburn
Estevan
Mode:
View:
104.5322322°W 50.4655280°N
Selected Features: 0

Potential Future Use

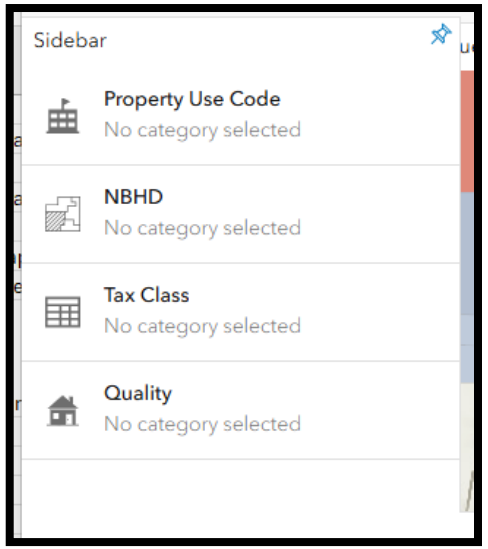
- Relevant portions of assessment data could be derived from detectable features
- Automated processes, with outcomes validated and fine-tuned by appraisers
- Increased efficiency, data quality and fairness

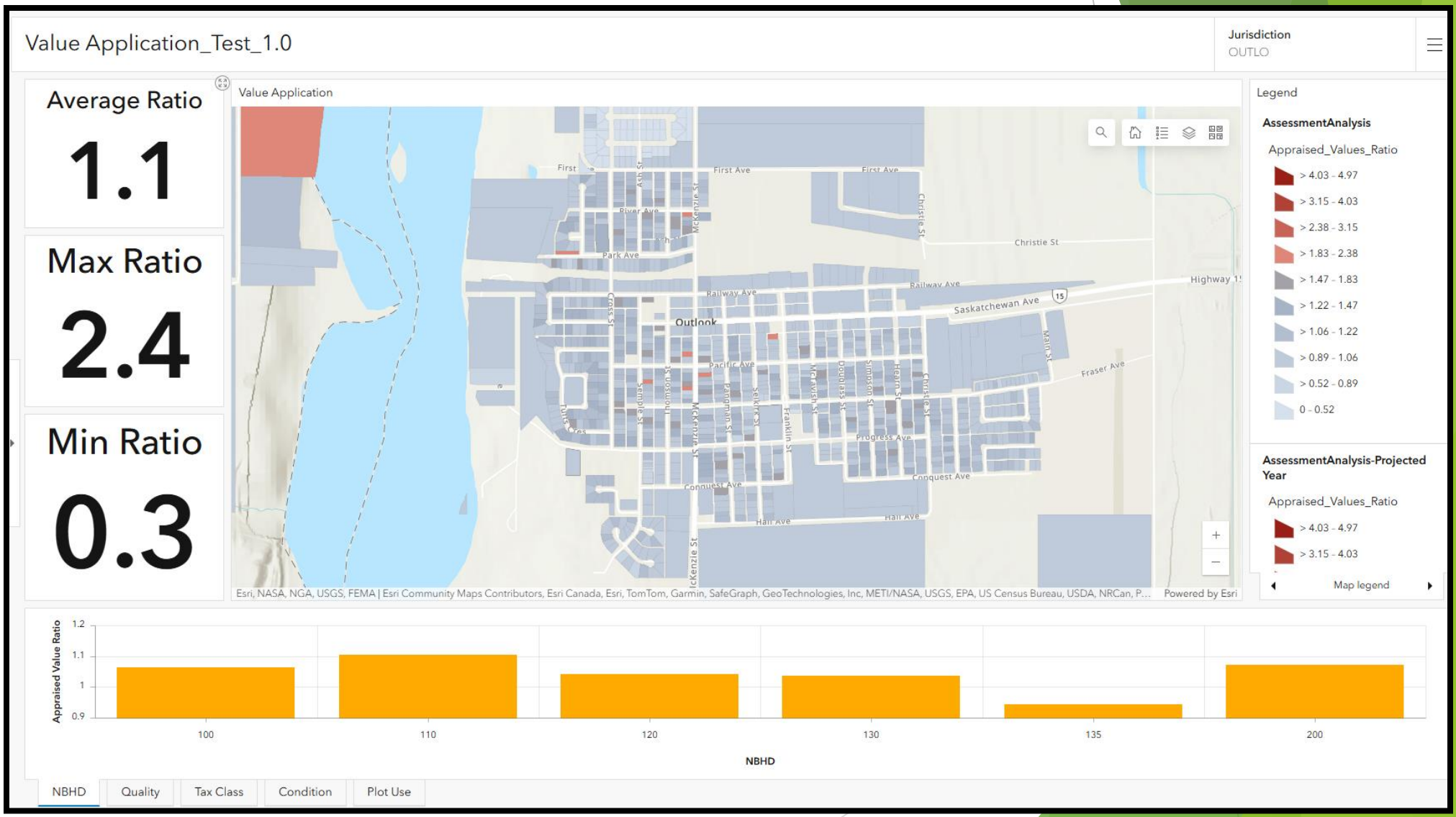
Geo AI Horizon

- GEO AI has been advancing these capabilities even further in the industry
- Process and result verification is even more important
- **Data Driven Results** and **Transparency** are key requirements
- SAMA will continue to monitor Geo AI technology



Value Trend Application





Questions?