



Edmonton

Data Driven Infrastructure and Community Conference November, 2024

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Focus Areas



Land Use + Mobility System Dynamics for the Edmonton CMA

Urban Systems Assessment Team

- ❑ Uses Data Science, Modeling, and Visualization for technical assessments related to Housing, Employment, Mobility, Climate, and Community.

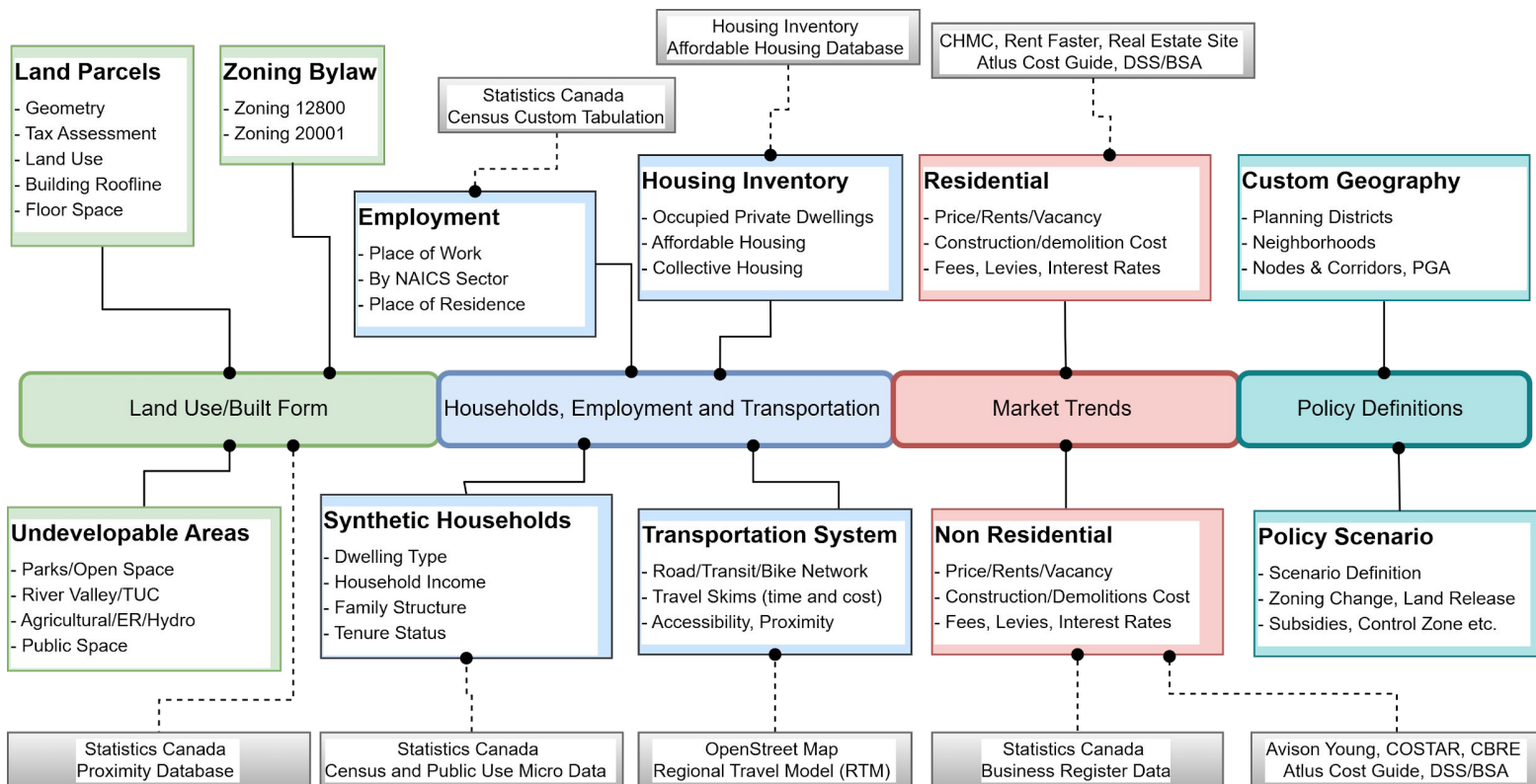
Strategic Planning and Policies

- ❑ Growth Management
 - ❑ Housing Growth and Affordability
 - ❑ Industrial Action Plan
- ❑ Mobility Infrastructure Planning and Prioritization
 - ❑ Regional Mobility Network Prioritization
 - ❑ Canada Public Transit Funding (CPTF)
 - ❑ Mobility Policy Evaluation
- ❑ Carbon Budget
 - ❑ Ongong Deliberation.

Analytics and Technical Platforms/Tools

- ❑ Edmonton Urbansim Platform
- ❑ Edmonton Regional Travel Demand Model
- ❑ Housing and Transportation (H+T) Cost Index
- ❑ 15 Minute City Portal
- ❑ Edmonton Region Household Travel Survey

DATA - Needs, Sources, and Challenges



Shifts in Planning Paradigm!!

Past

- Grow as Market demands
- Build Infrastructures (e.g., invest on roads) as demand grows
- Aspirational Planning, NOT data driven

BUILD

Present

- Manage Growth through Sustainability lens
- Weigh between "Add Capacity" vs "Manage Demand"
- Measurable Policy Outcomes
- Consider the 'Equity' lens

MANAGE

Future

- Incorporate "Technology" into our Planning
- Prepare ourselves for the "Radical Shift"
- Leverage the investment today with the future technology.

ADAPT

