

UrbCA - Celular Automata Modeling for Accessibility Appraisal in Spatial Plans

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1. PLANNING CONTEXT

Geographical Scale	Supra-Municipal Municipal
Status:	Research tool
Planning Process:	Formal and informal planning processes

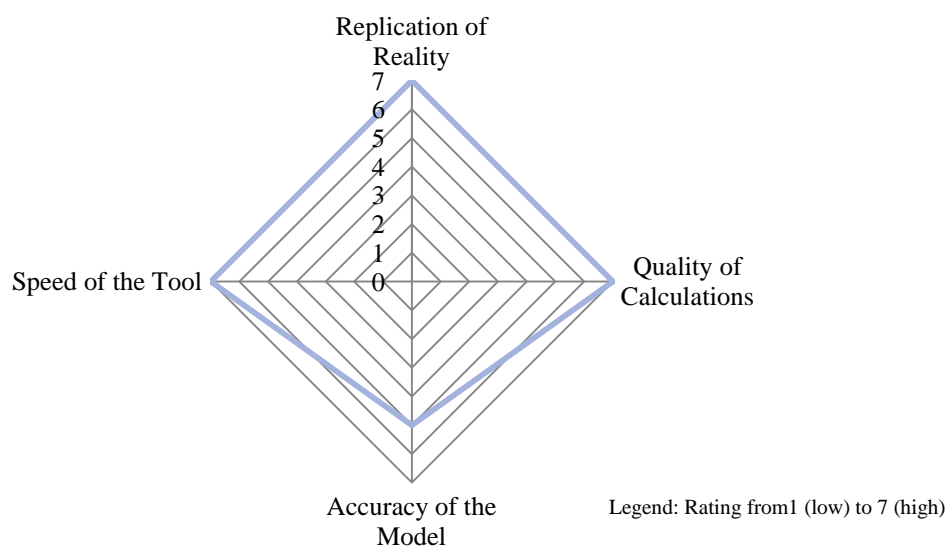
2. PLANNING GOALS

Public Stakeholder Goals:	How to decide on the location of residences/ activities/ services
Private Investors Concerns:	Where to invest in real estate
Main Individual Goals:	Choosing household location

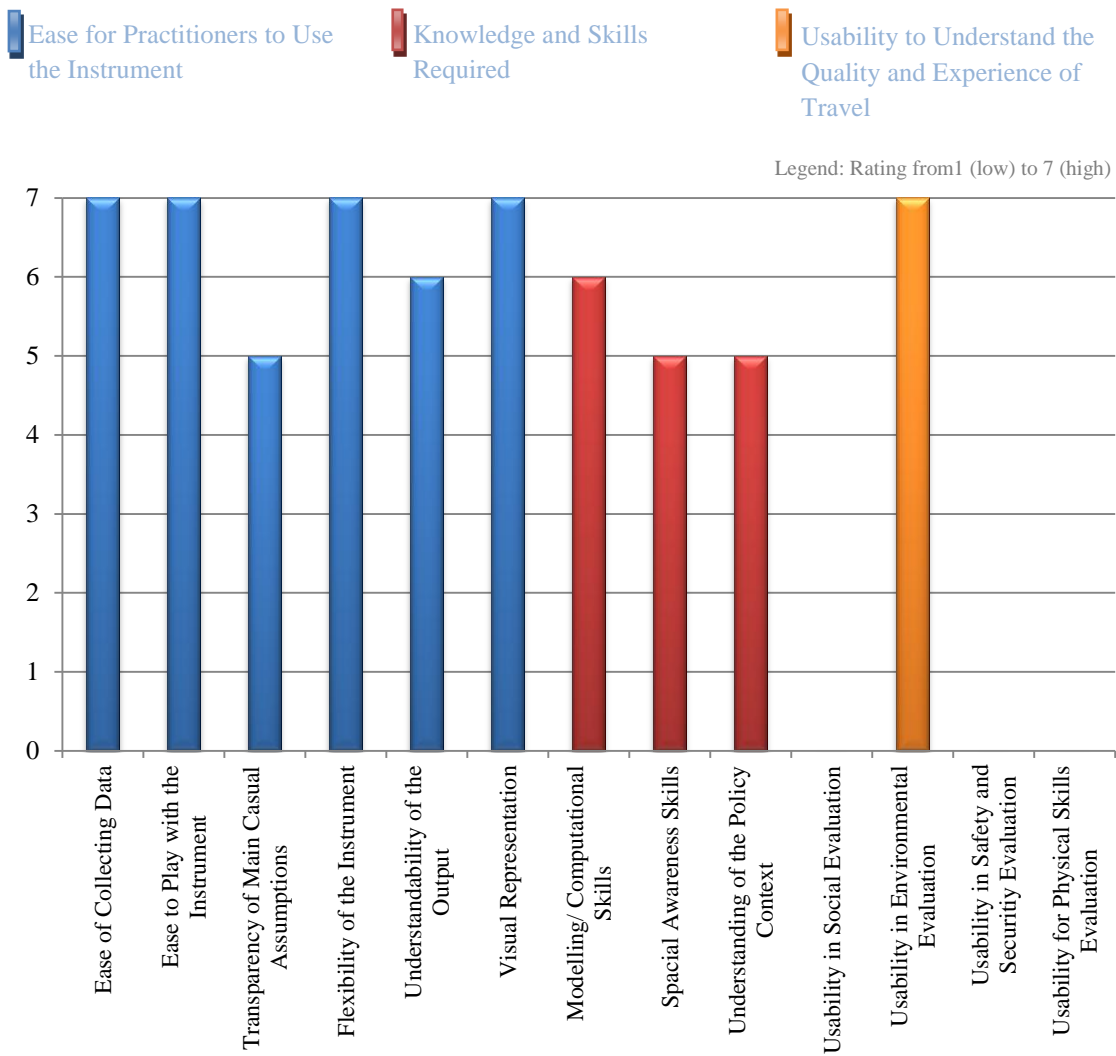
3. CHARACTERISTICS OF THE INSTRUMENT

Decision Support Task:	Cooperative decision support tool
Accessibility Measure Tradition:	Gravity measures
Components:	Some accessibility components (Land-use)
Level of Spatial Aggregation:	Census block Road centre lines Individuals
Level of Socio-economic Disaggregation:	Not applicable
Level of Temporal Disaggregation:	Year to decade
Transport Modes:	Car
Purposes/ Opportunities:	All purposes (aggregate measure)

How the Instrument Replicate Reality



4. END-USERS AND HOW THEY USE THE TOOL



Potential Users:	Spatial/ Urban Planners
Interpretable Units Used:	
Intended Use to Connect Service Users and Providers:	A tool to monitor consistency of perceptions/ expectations between providers, users and suppliers
Intended Role in Urban Planning:	<ul style="list-style-type: none"> To create new insights To justify decisions/ positions already taken To support strategy/ option generation To support strategy/ option selection To support integration of urban planning perspectives
Institutional Issues Blocking Effectiveness :	Data availability