

## ASAMeD - Space Syntax: Spatial Integration Accessibility and Angular Segment Analysis by Metric Distance

Magda Mavridou, University of Thessaly, Greece (magdamavridou@teemail.gr)

### 1. PLANNING CONTEXT

Geographical Scale	Municipal Neighbourhood Street
Status:	Implemented as part of the planning process Research tool
Planning Process:	Formal planning process

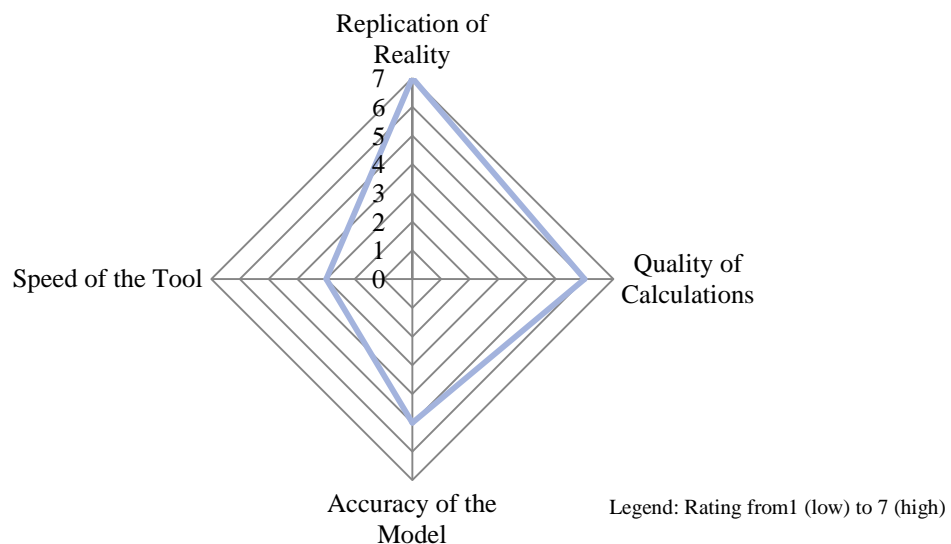
### 2. PLANNING GOALS

Public Stakeholder Goals:	To decide on the location of residences/ activities To ensure social cohesion To revitalize city center To increase the quality the quality/experience of travel To improve cycling/ pedestrian access
Private Investors Concerns:	Where to locate business Where to invest in real state
Main Individual Goals:	Choosing housing area with a good choice of service available The quickest route to work

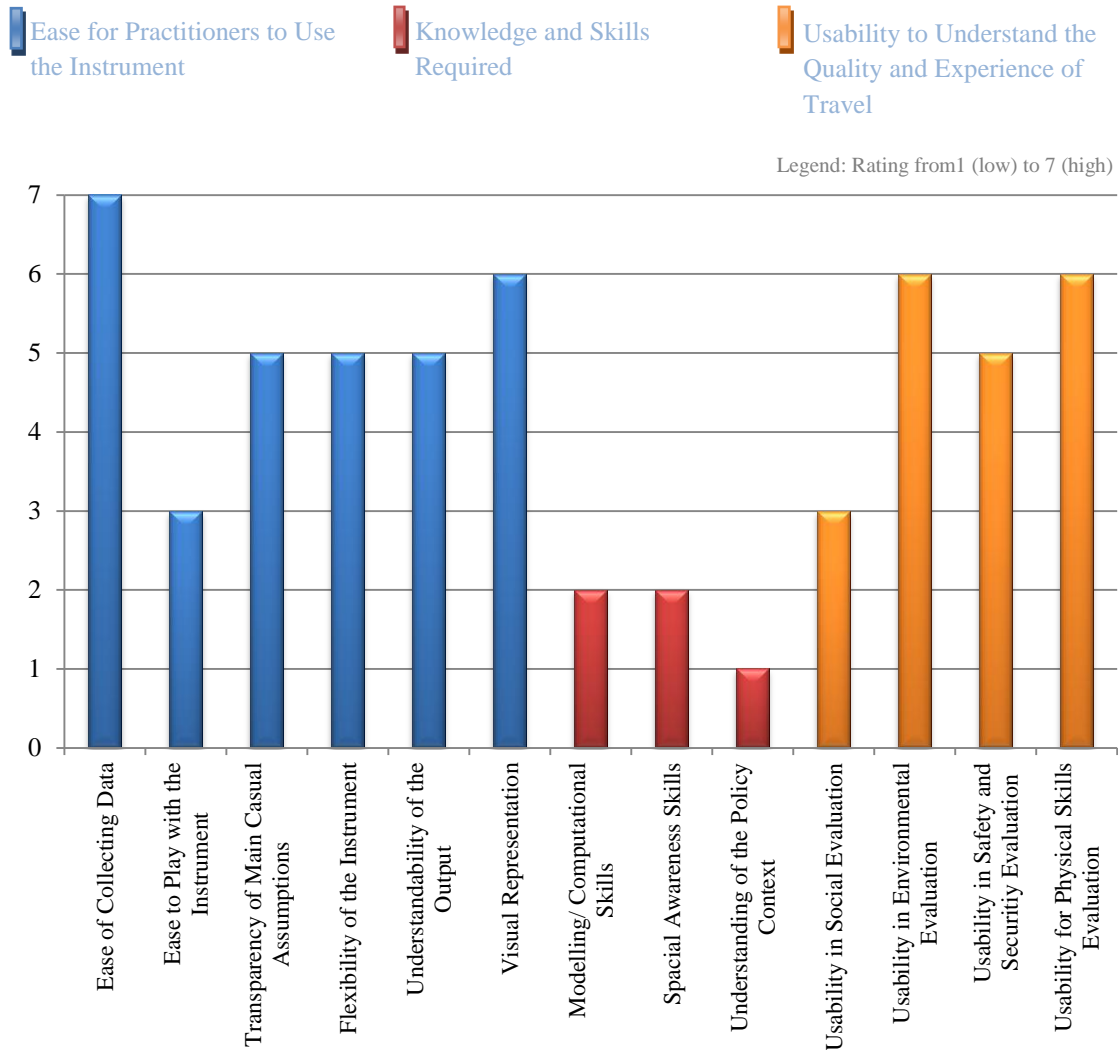
### 3. CHARACTERISTICS OF THE INSTRUMENT

Decision Support Task:	Used in the ex-port evaluation of the decision impact
Accessibility Measure Tradition:	Spatial separation measure Time-space measures Network measures
Components:	Some accessibility components (spatial connectivity)
Level of Spatial Aggregation:	NUTS 4/ LAU 1; NUTS 5/ LAU 2 Buildings Axial lines; Road center lines; Intersections; Individuals
Level of Socio-economic Disaggregation:	Gender; Work – non-work
Level of Temporal Disaggregation:	Hour; Peak/ off-peak
Transport Modes:	Walking; Bicycle
Purposes/ Opportunities:	No purpose/ Not applicable

#### How the Instrument Replicate Reality



#### 4. END-USERS AND HOW THEY USE THE TOOL



Potential Users:

Spatial/ Urban Planners  
 Transport Planners  
 Health Service Planners  
 Education Service Planners  
 Tool Initiators  
 Developers/ Researchers

Interpretable Units Used:

No accessibility units

Intended Use to Connect Service Users and Providers:

Marketing tool to inform people what providers offer (top-down)

Intended Role in Urban Planning:

To create new insights  
 To support strategy/ option generation  
 To support strategy/ option selection  
 To support integration of urban planning perspectives

Institutional Issues Blocking Effectiveness :

Formal processes