

Participatory Modeling and Solution Building Around Issues of Urban Sustainability

Water Management in the Chicago Region

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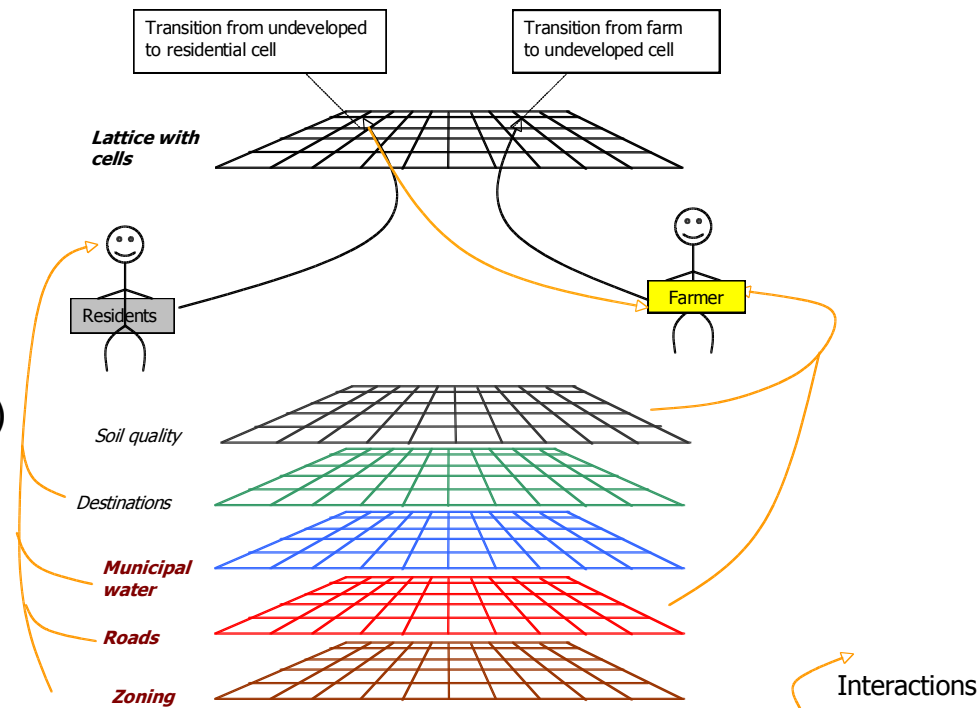
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Purpose

- Implementation of a pilot project in the Chicago Region
- Water sustainability
- Participatory modeling:
 - Policy
 - Governance
 - Training and education

Agent-based modeling

- Components
 - Agents -> rules of behavior, decisions
 - Environment
- Information needs
 - Theory
 - Expert knowledge
 - Empirical studies
- Explicit decision-making and (spatial) processes
- Link between processes and patterns
- Lever points for action
- Integrated modeling
 - Relevant players: Institutions, individuals and environment
 - Complexity: feedback, interaction, scales



Community participation

- Expert knowledge
 - Informing rules
 - Evaluating model and outputs
 - Discussing policy and community action
- Ownership
 - Understanding problems
 - Creating acceptable solutions

Link to RWSP

- Building on current efforts
- Finalizing recommendations
- Implementation
- Groundwater-dependent communities
 - Additional funding

Contact info

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