



Chicago Metropolitan
Agency for Planning

Full Circle System: A Web-based Community Planning and Mapping Tool

Sef Okoth

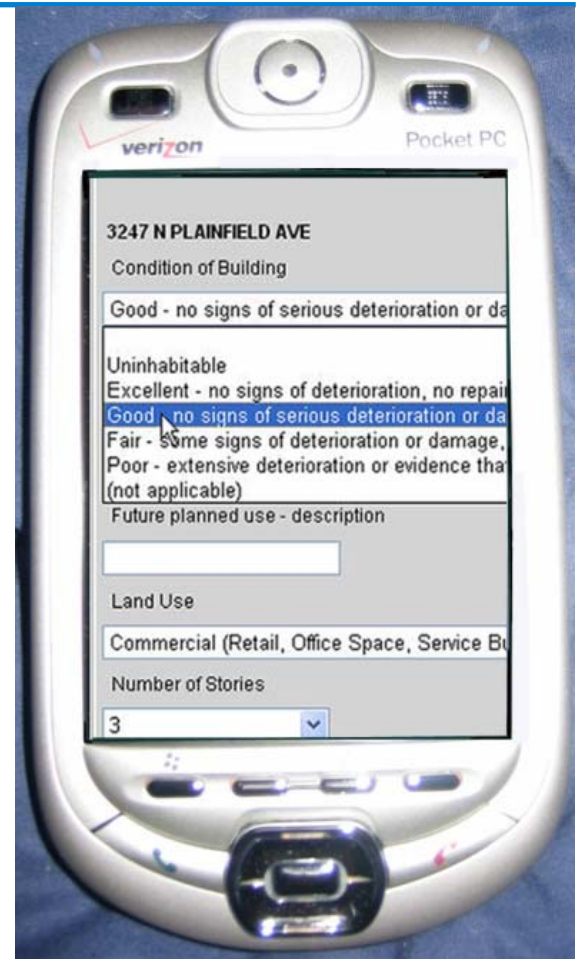
September 11, 2008





Outline

- What is Full Circle?
- Core principles & objectives
- How is the system structured
- Data Input
- Typical applications
- Why the project is important?
- What makes it unique?
- Case studies
- Demo





Full Circle?

- Integrated parcel-data system for collecting real-time data for planning and development.
- A set of web-based surveys for collecting local information to inform planning, investment, and operational decisions
- The project supports local planning efforts by offering tools, expertise, and replicable models for communities in the region.



Principles

- Good planning requires input from the community
- Good planning requires good information
- Neighborhood stakeholders are the best sources of information on many aspects of their community
- Future development depends on today's assets





Objectives

- Articulate neighborhood concerns in public planning process
- Provide communities with best tools for planning
- Establish a mechanism for continuous exchange of information





Why is local data collection important?

- Community planning requires data that are not available from public sources.
- Public data can quickly become outdated - transitional neighborhoods.
- Given the right tools communities take ownership of data collection and planning in a way large, centralized public agencies cannot.



Components

Technology:

Online mapping system designed for wireless hand-held data devices (smart phones) connected to CMAP's web servers for seamless mapping, data collection, and data retrieval.

Participatory planning

Face-to-face participatory planning sessions, where stakeholders can express their goals, concerns, and ideas about the future.





How the Projects Works?

Phase 1: Neighborhood inventory

Determine existing condition of the neighborhood in

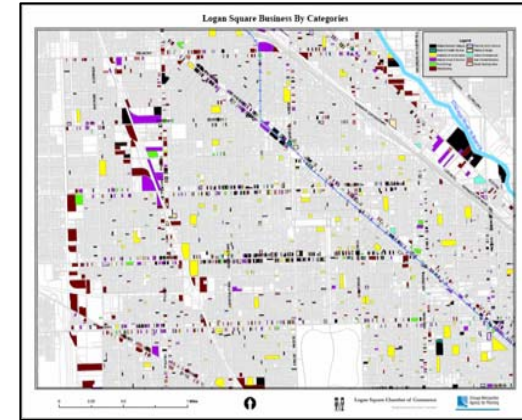
Phase 2: Asset Mapping

What can be leveraged to benefit the community

Phase 3: Participatory planning

Setting goals, evaluating priorities, building consensus and evaluating alternative scenarios.

Phase 4: Plan Implementation





Data Input

Public Sources

- Zoning
- Assessed Values
- Ownership
- Square footage
- Building permits
- Business licenses
- Sales Transactions
- Building Footprints

Field Inventory

- Land Use
- For sale/rent/lease
- Structure type
- Building condition
- No. of housing units
- Building heights
- Architectural style
- Façade material
- Street lighting

Survey/Interviews

- Hours of operations
- Expansion plan
- Relocation plans
- Advertising strategies
- Satisfaction with location
- Perceptions of crime
- Training needs
- Hiring practices



How the System works?

Parcel Pointer: a web-based GIS tool for tracking important parcel attributes.

- Used to track land use, zoning, age of structures, property values historical significance, employment data, and environmental sensitivity etc
- Parcel Pointer supports public, survey, and observational data—the latter consisting of information gathered by individual users in the field.



Range of Applications

- Inventory
- Change detection and time series data
- Public Mood
- Predictive analytics
- Decision support and planning

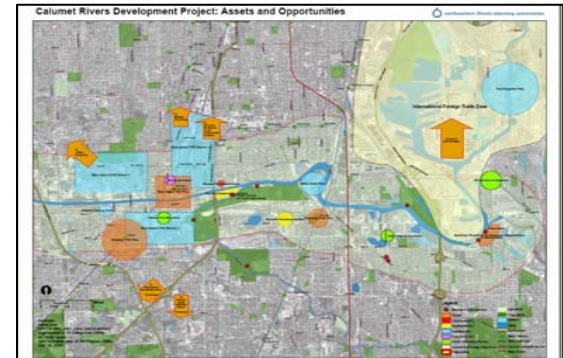
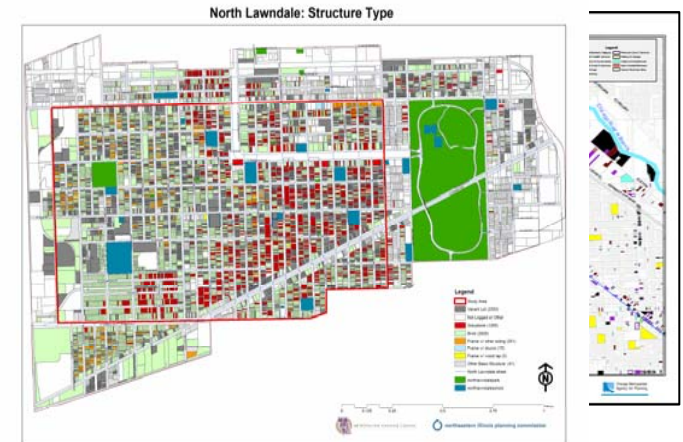
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PIN: 17062350710000
Address: 1638 E Division St
(Note: 2 street addresses were found for this parcel. See list at bottom of page.)

Business Type (Primary Business Type):	_(unknown)
Change to:	<input type="text"/>
Condition of Building:	_(unknown)
Change to:	<input type="text"/>
For Sale, For Rent or For Lease sign is present:	_(unknown)
Change to:	<input type="text"/>
For sale, rent or lease sign - contact phone number:	_(unknown)
	<input type="text"/>
Height of Building (in feet):	_(unknown)
Change to:	<input type="text"/>
Land Use:	'Residential - Multi-Family' <input type="checkbox"/> Confirmed
Change to:	<input type="text"/>
Number of Housing Units:	_1 <input type="checkbox"/> Confirmed
Change to:	<input type="text"/>
Number of Stories:	_(unknown)
Change to:	<input type="text"/>
Own or Rent:	_(unknown)
Change to:	<input type="text"/>
Owner - co	Cannot determine
	Owner-Occupied
	Renter-Occupied
Owner - co	Multi-Unit w/ Owner in one Unit (not applicable)



Typical Applications

- Transit Oriented Development
- Zoning Review
- Land Use/business Inventory
- Economic Development
- Downtown Redevelopment
- Arterial Enhancements
- Housing Preservation
- Emergency Preparedness
- Public Health and Safety
- Workforce development
- Coordination of Public/Human services
- Natural Resource Planning
- Community Organizing





What is Unique?

- User friendly tools: Smart phones
- Direct integration with cadastral records
- Real-time database querying capabilities
- Full-color completely adaptable GIS maps: ArcIMS
- A seemingly inexhaustible server to store the data

What is Next?

Integrating Full Circle data into Google Earth.





Case Studies

- 1. Revitalization of Main street: QCDC, Madison, Blue Island**
- 2. TOD: Oak Forest/Blue Island**
- 3. Coordination of public and Social services in Englewood**
- 4. Food Access: Logan Square**
- 5. Housing Preservation: Preservation**
- 6. Cargo Oriented Development**



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Thank You!
