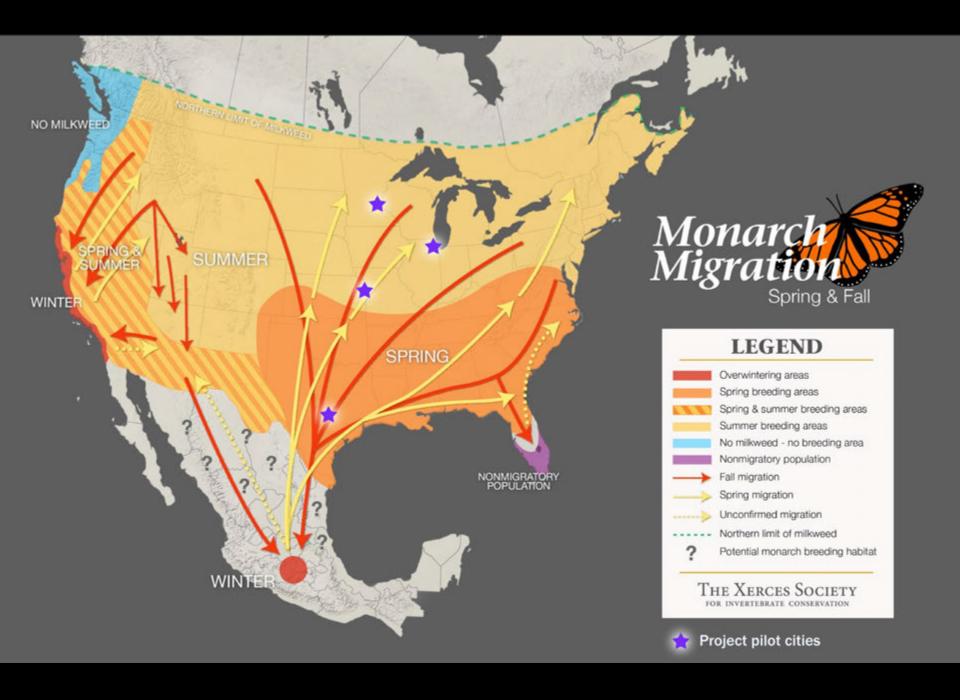


A Monarch's View of the City:

Conservation Design for Monarchs in Developed Areas







Does nature need cities?



Guides & templates

Framework for planning

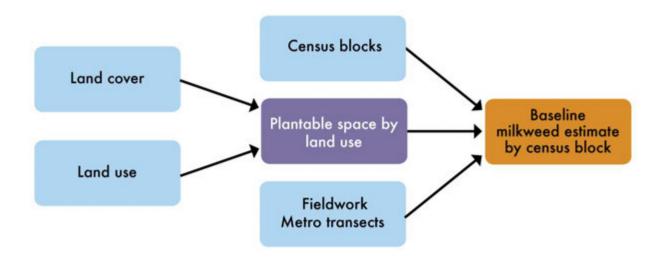
- Urban Monarch Conservation Guidebook
- Social survey and interview guide (English & Spanish)
- Best practices by land use type
- Rapid color guide: Creating monarch habitat in your Midwestern garden

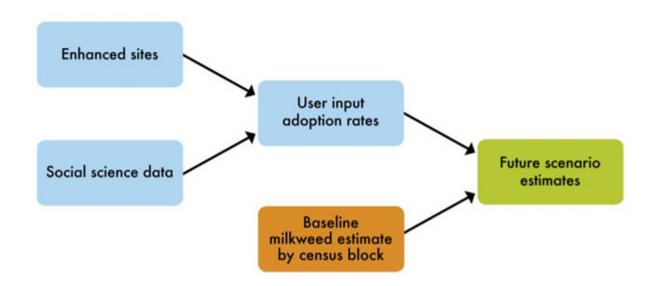
Sampling & mapping tools

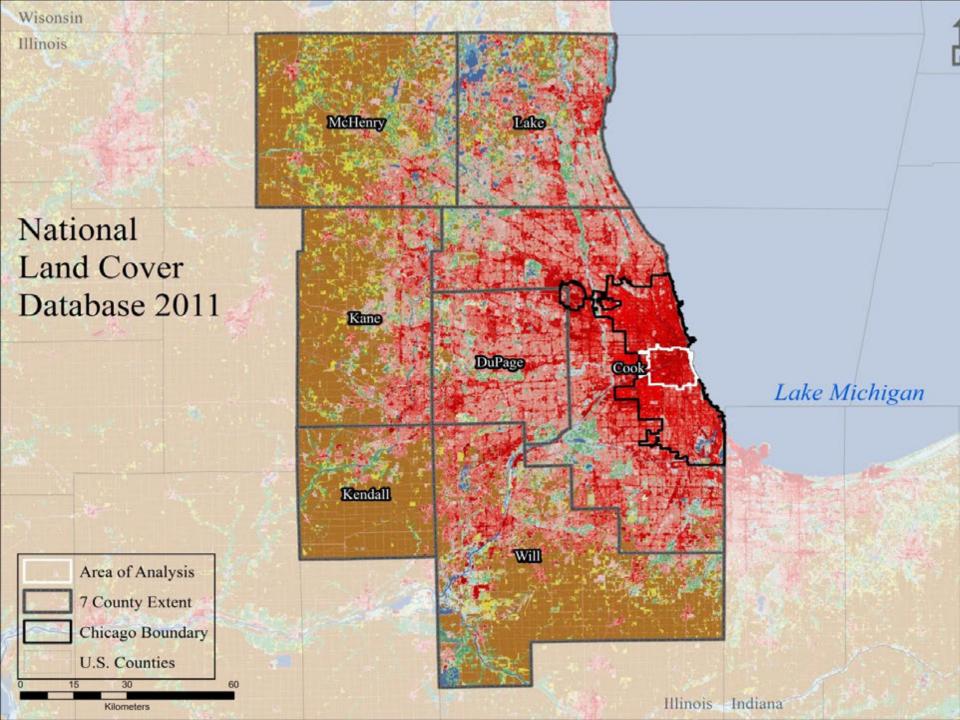
- Urban milkweed baseline Tool
- Urban scenario planning Tool
- Natural areas sampling protocol
- Metro transect methodology
- Maps and conservation designs for pilot cities

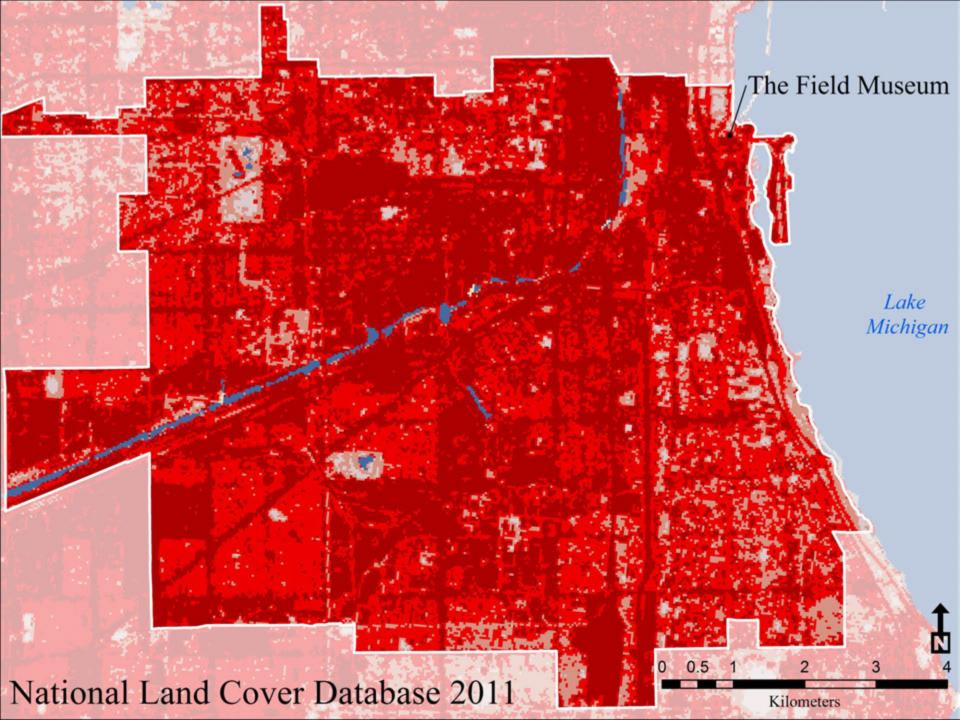


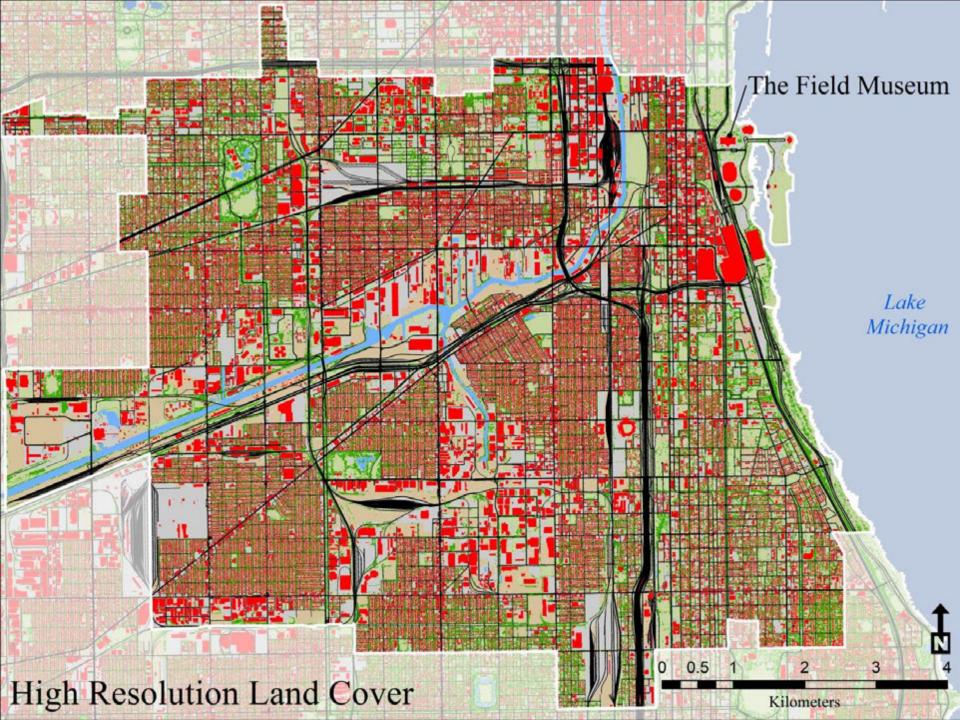
Milkweed scenario modeling

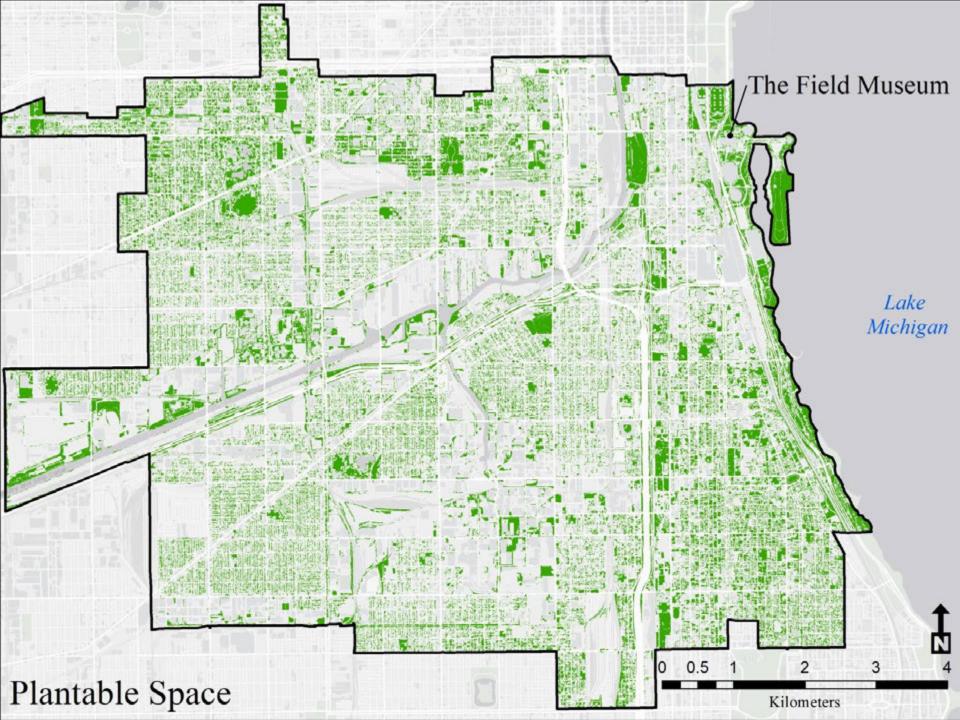










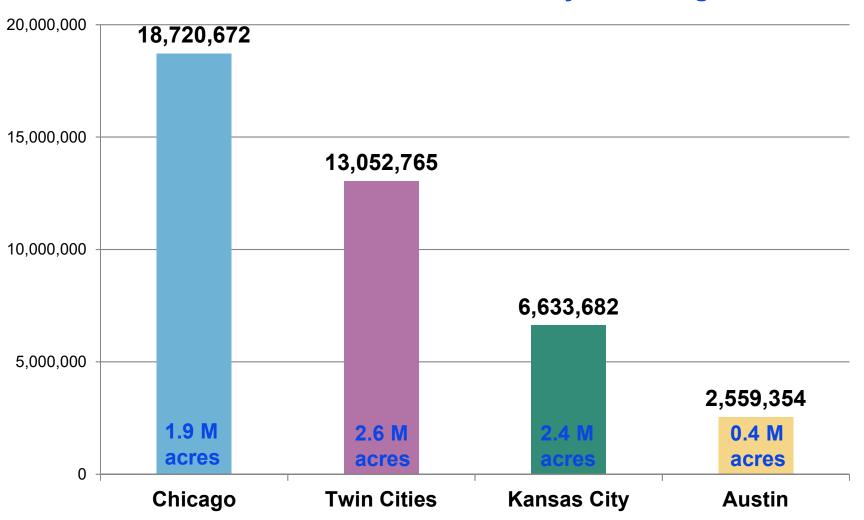




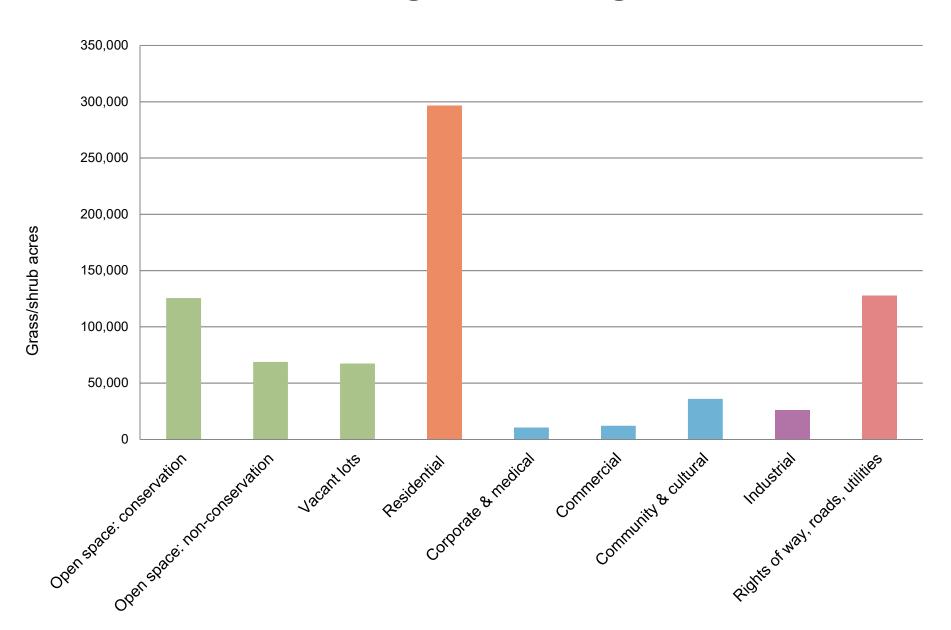
Baseline milkweed stems by metropolitan area

Total estimated stems: 41,000,000

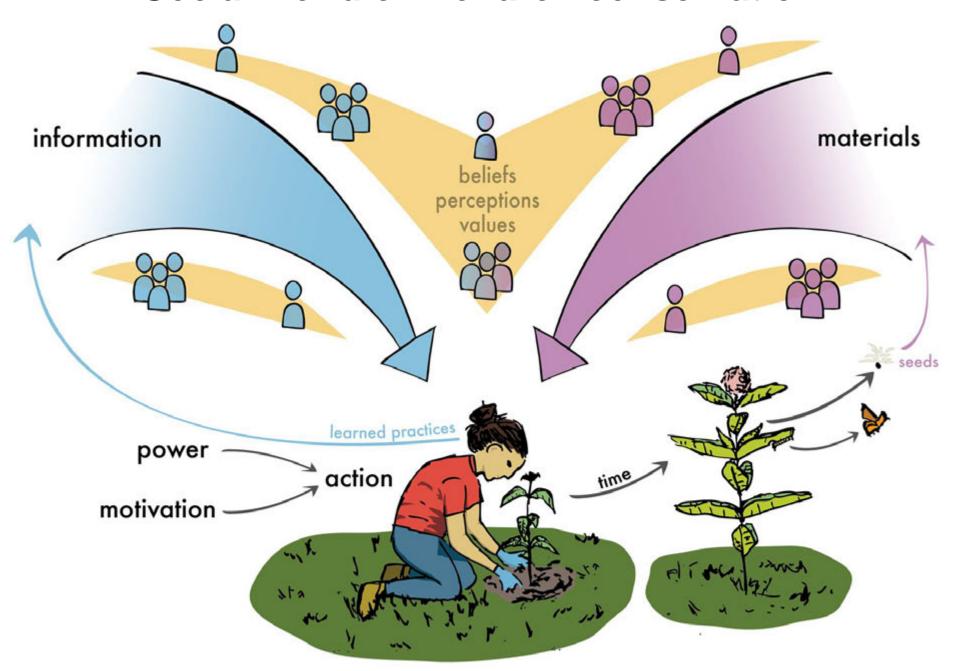
Total analysis acreage: 7.3 M acres



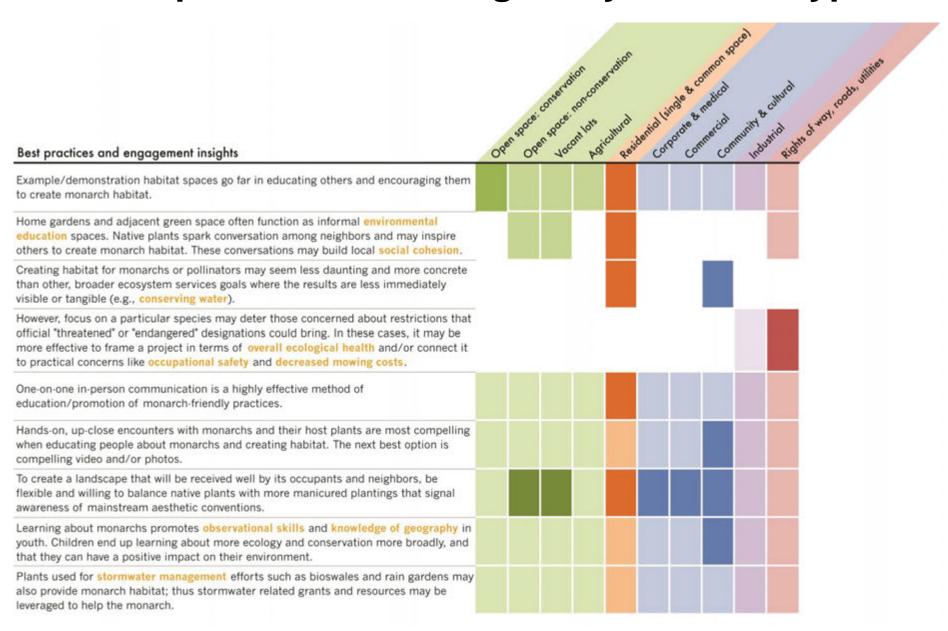
Potential plantable space by land use type: Chicago metro region



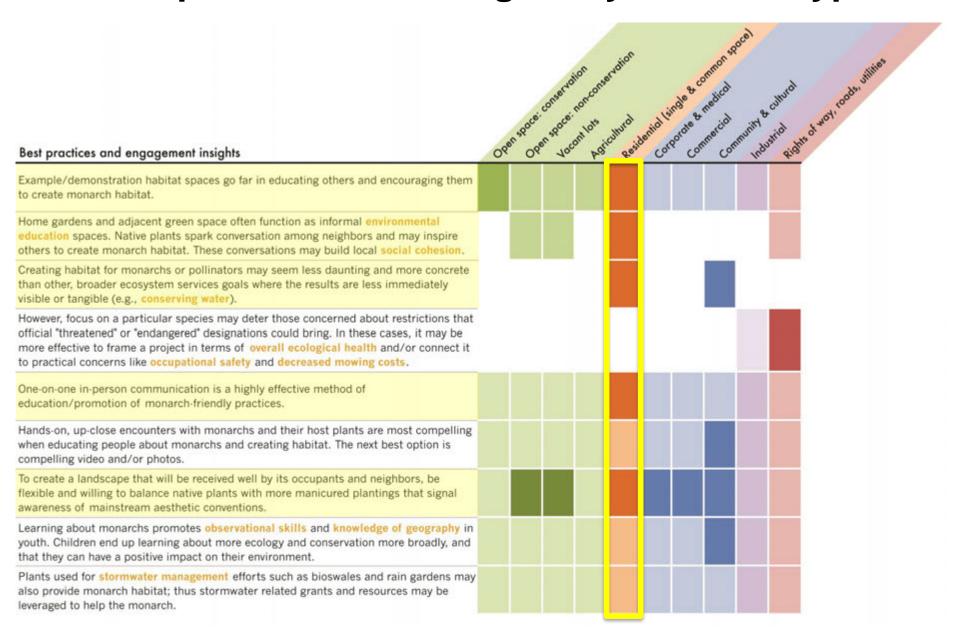
Social world of monarch conservation



Best practices and insights by land use type

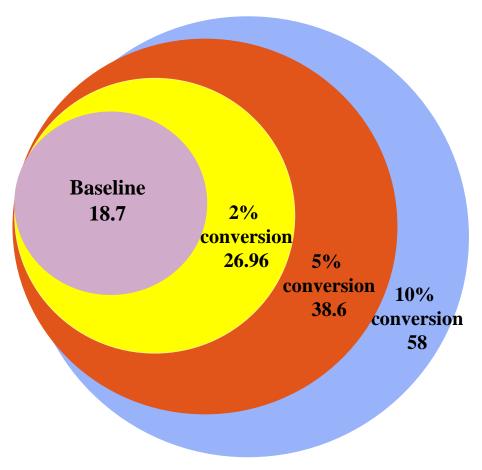


Best practices and insights by land use type

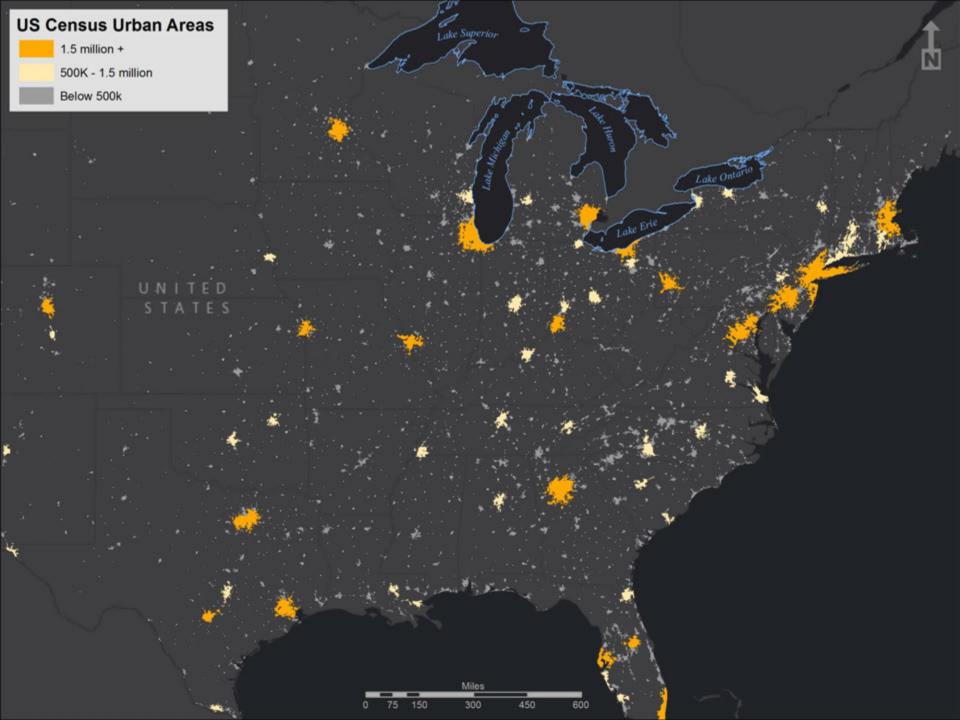




Milkweed Scenario Modeling



Millions of stems of milkweed [Chicago Metropolitan area]

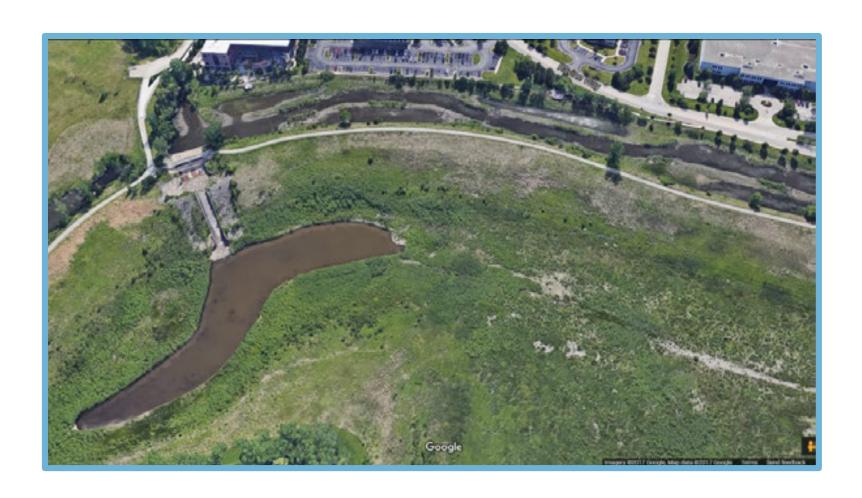


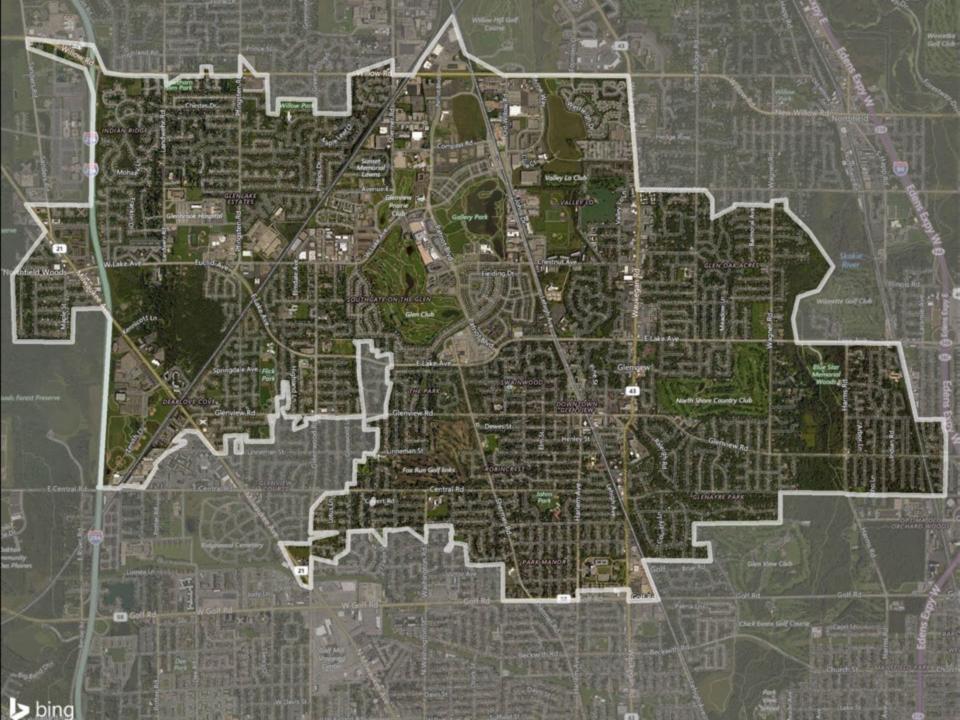
Steps for running the scenario planning tool

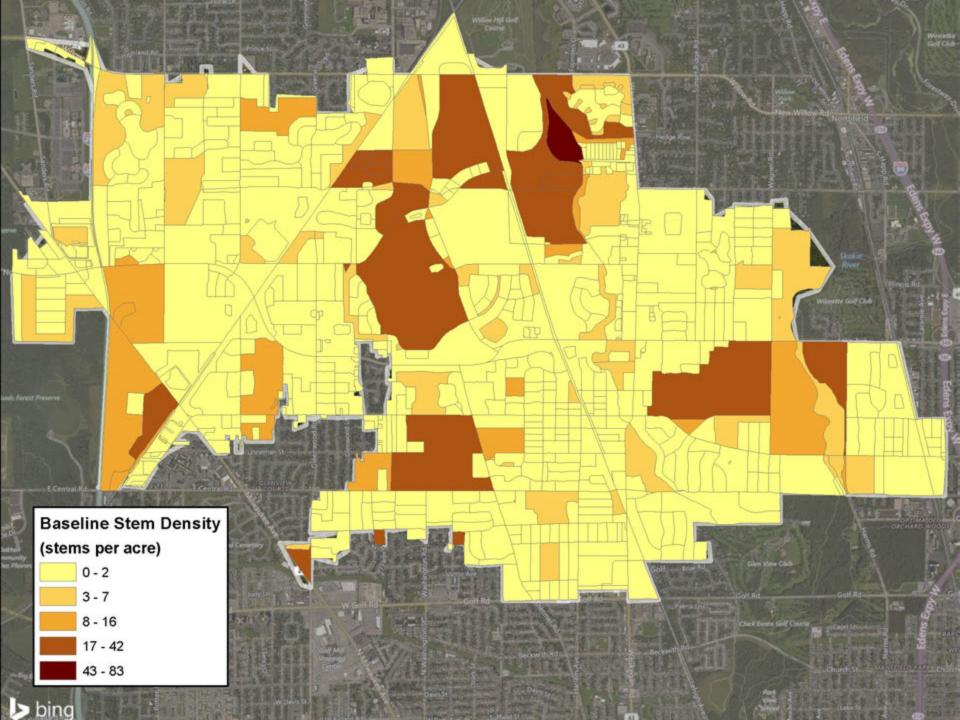


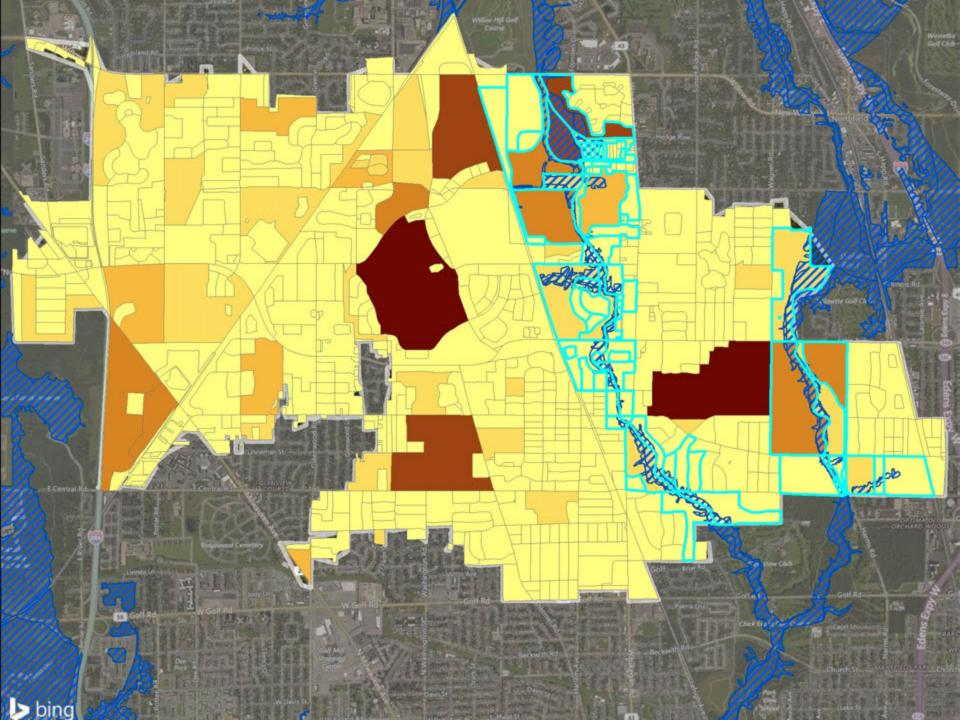
- 1. Zoom to research area.
- 2. Open baseline map.
- 3. Select census blocks for your area of interest.
- 4. Run the scenario planning tool.

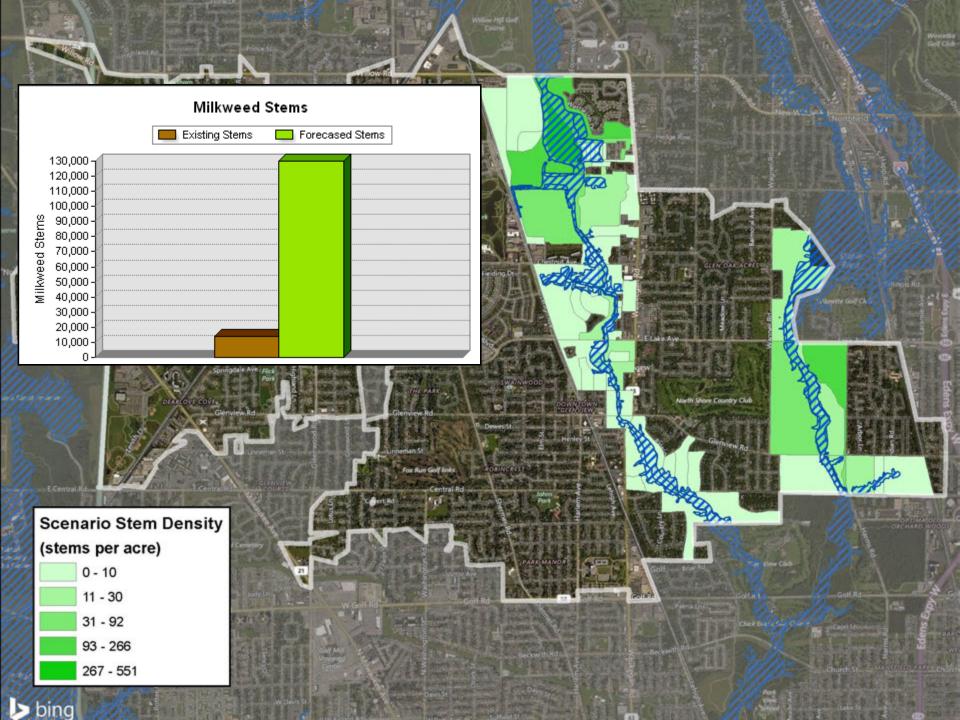
How the scenario planning tool works: Case study Village of Glenview



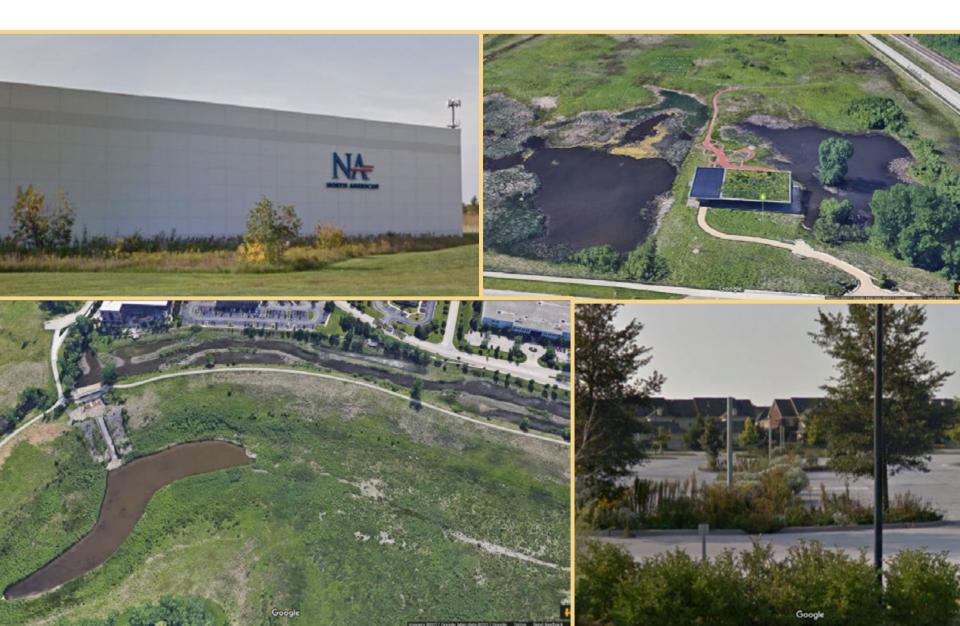








Glenview: Flooding and green infrastructure improvement projects also create monarch habitat



Green space conversions: Case study of vacant lots and public schools in Cook County, IL

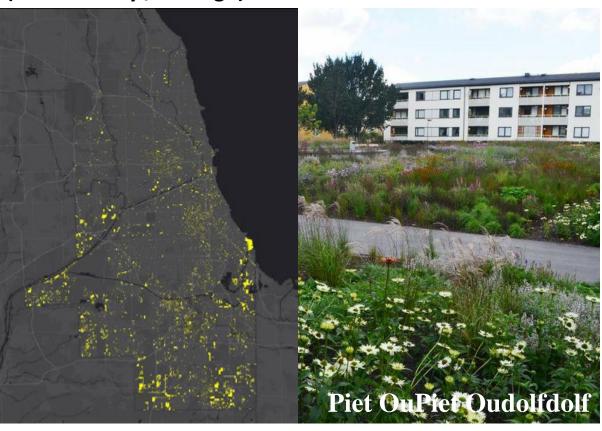


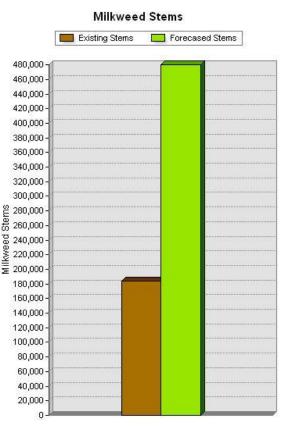
Scenario planning: Vacant lots

Vacant Lots (Cook County / Chicago)

Example conversion of vacant land

20% land owner adoption results in 296,000 added stems

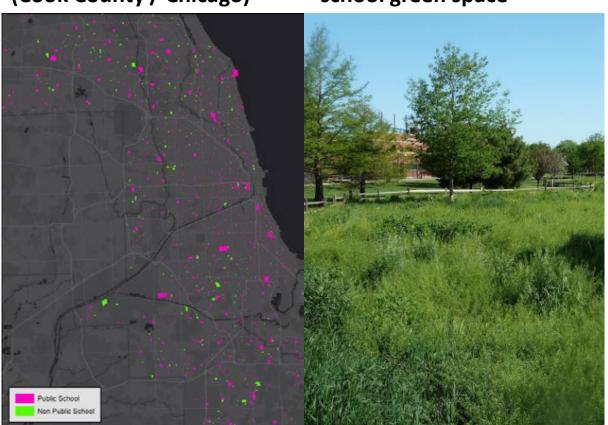




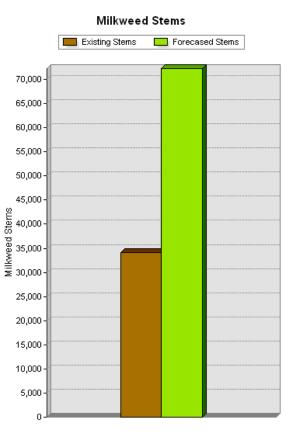
Scenario planning: Public schools

Public and private schools (Cook County / Chicago)

Example conversion of school green space



20% of public school green spaces results in 38,000 added stems



Next steps



Learning from all of you as we begin to...

 Translate this effort to work in small and mid-sized cities (Peoria, Lincoln, Carbondale)

 Test out best practices for engaging different stakeholders in cities (South Chicago & Gary, IN)

Understand how to connect and support pollinator work across urban intersections

Next steps



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