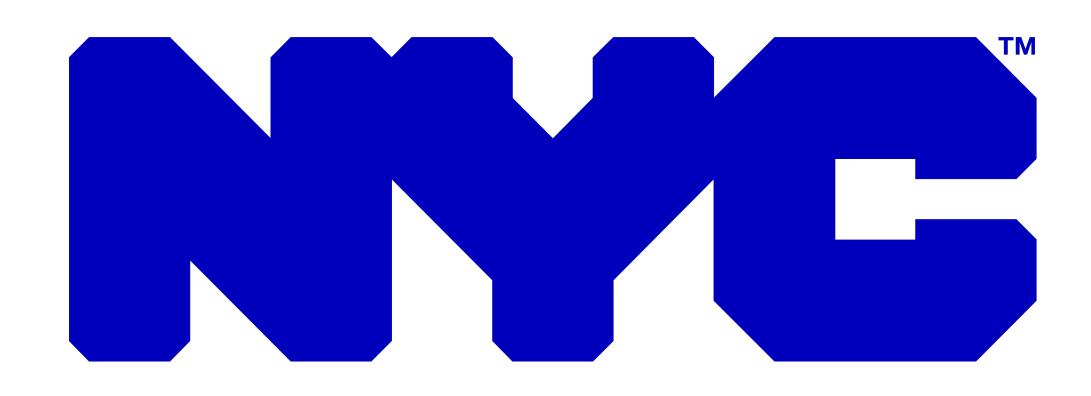


Taking care of New York City's urban forest: Understanding civic environmental stewardship outcomes

Michelle Johnson*, Lindsay Campbell, Erika Svendsen US Forest Service, Northern Research Station NYC Urban Field Station











































A joint program of City Parks Foundation and NYC Parks.











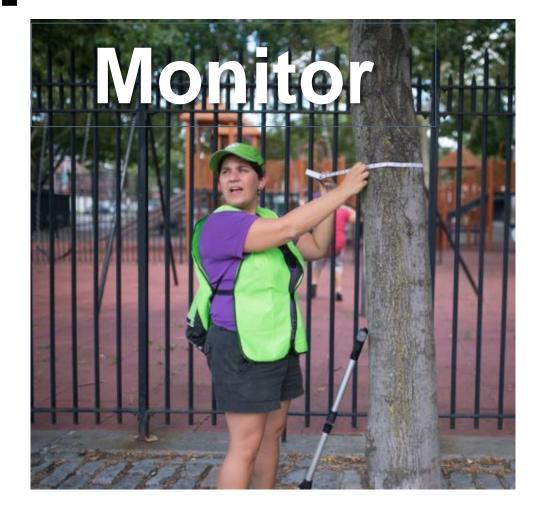
DESIGN TRUST FOR PUBLIC SPACE

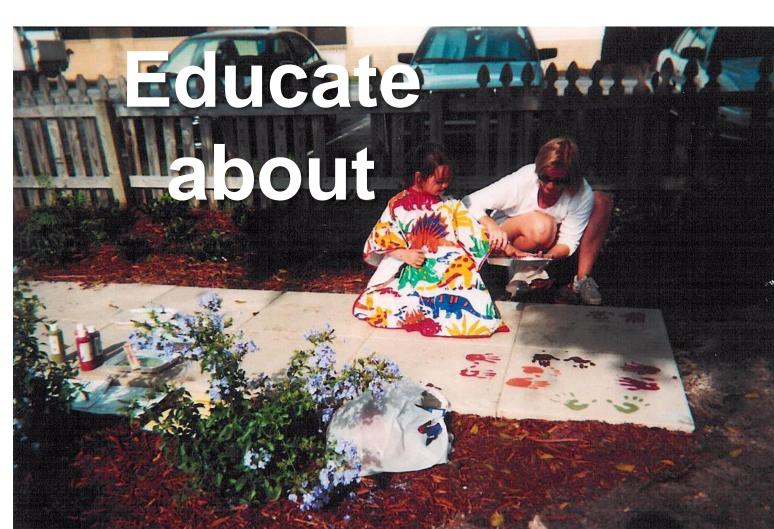


What is stewardship?













Svendsen and Campbell 2008; Fisher et al. 2012; Campbell et al. in press



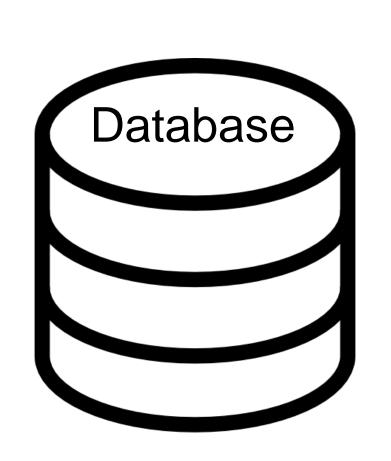
Research Question

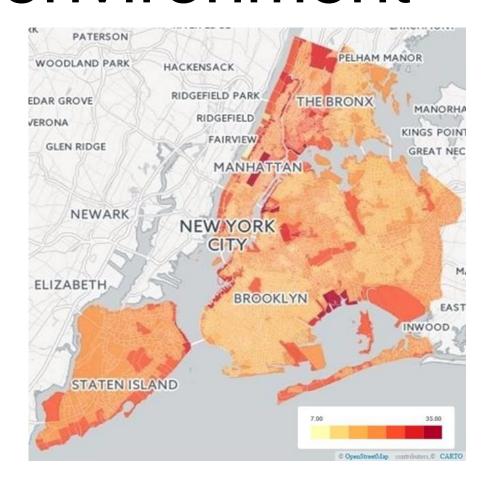
- What effect are stewards having on the system?
 - Social outcomes
 - Ecological outcomes

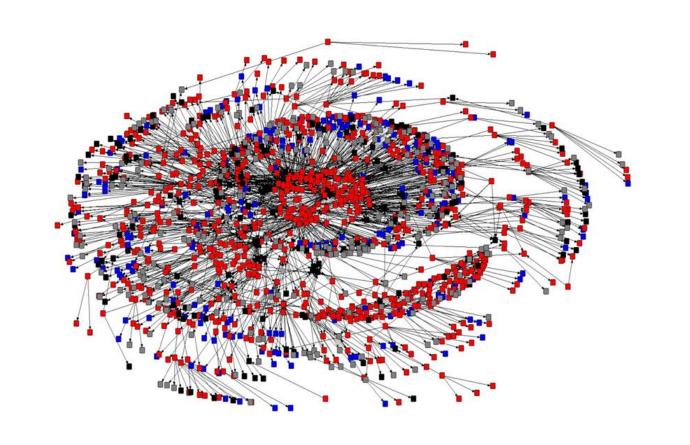


STEW-MAP

- Stewardship Mapping and Assessment Project
- Began in New York City in 2007 now in more than 12 cities
- Survey-based methodology
- Measures how, where, and why civic groups are stewarding the local environment











Organizational Survey

STEW-MAP:

The Citywide Stewardship Census



- Create a sampling frame of groups (more difficult than it sounds!)
- Survey questions focused on:
 - Group characteristics
 - Area in which a group works ("turf")
 - Agencies and organizations with which a group works (social network)

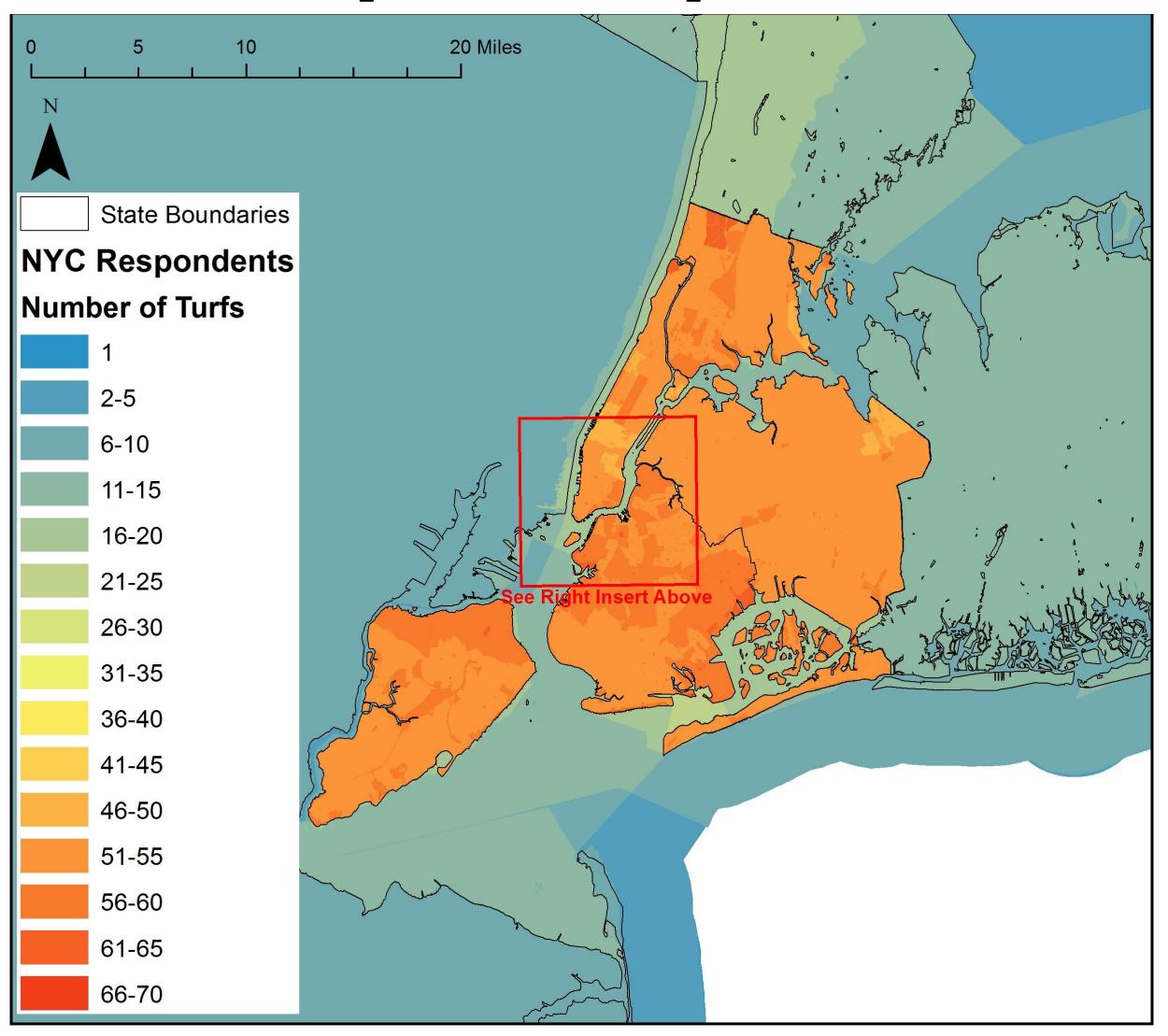


Responses

- Sampling frame = 7,041 civic organizations
- Responses = 752 civic organizations



Stewardship Group Distribution





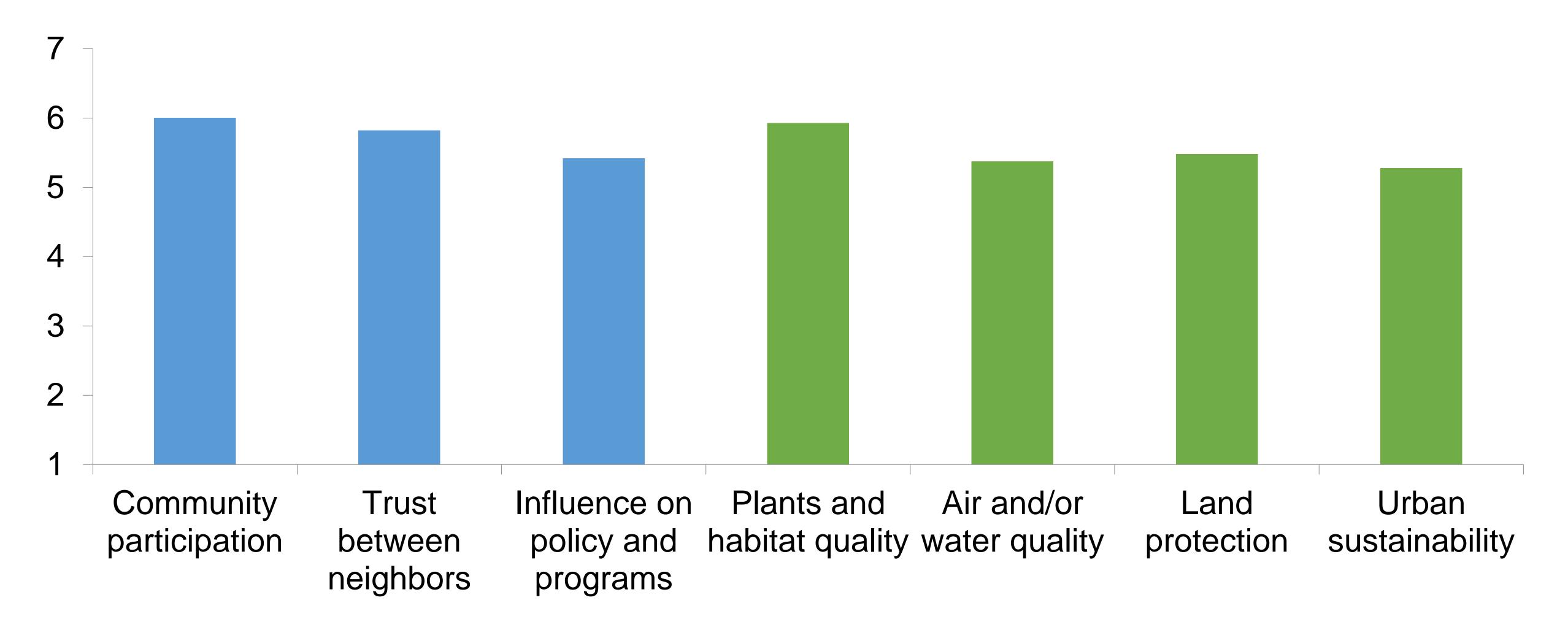
Stewardship Outcomes

Our group has improved the following <u>environmental</u> <u>outcomes</u> in the community(ies) in which we work.

From strongly disagree to strongly agree



Perceived Outcomes

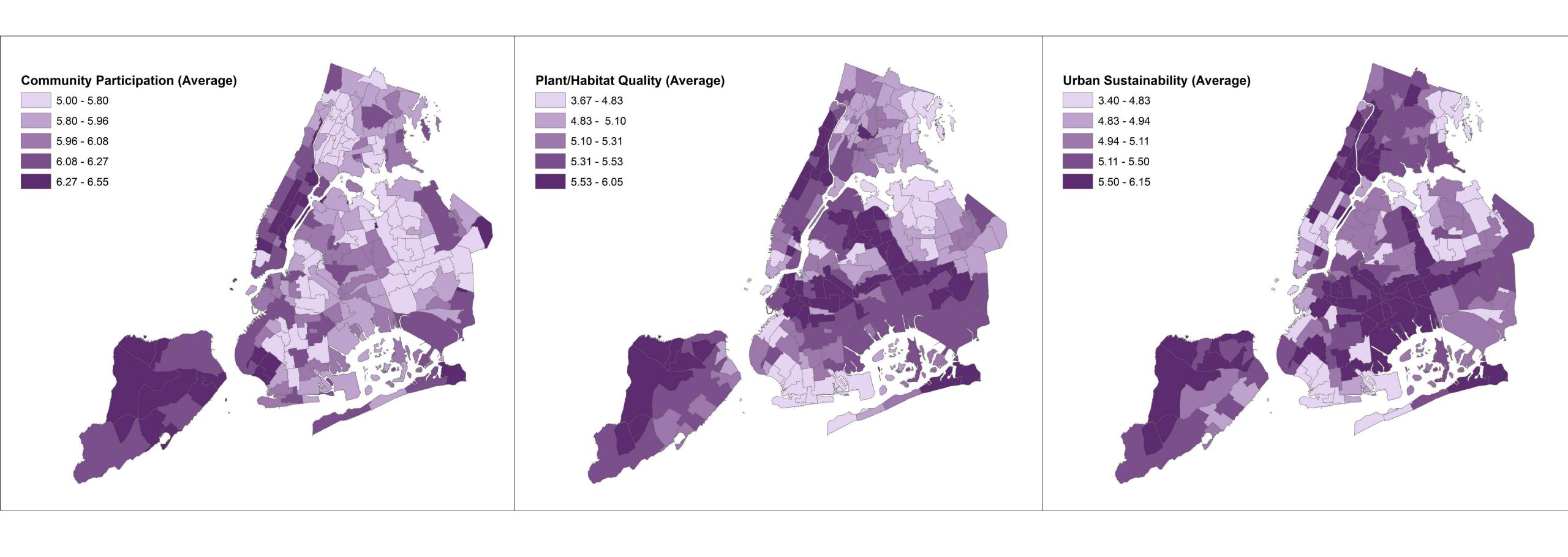


Social

Environmental



Perceived Outcomes





Next Steps

- Group level: examine perceived outcomes in relation to all group characteristics
- Neighborhood level: examine social and ecological changes in neighborhoods with low and high collective outcomes



Conclusions

- Groups have varying levels of perceived effects on the system
 - These effects differ in relation to group characteristics
- Collective outcomes vary across neighborhoods



Rest of NYC STEW-MAP team:

- Ryan Baker-Urzua
- Joana Chan
- Lidia Henderson
- Michael Hsu
- Laura Landau
- Justine Marchal
- Jennifer Smith

www.nrs.fs.fed.us/nyc

And the larger multi-city STEW-MAP network