









- Introduce crowdsourcing application for New York City's spatial data
 - Bike routes
 - Building footprints
- Describe GeoGig
- Recruit cyclists, developers and GIS users as pilot users





Goal: Create a tool to facilitate government ← → citizen spatial data collaboration.

- Project Team
 - Project Champion: NYC DCP
 - Key Contributors: NYC DOT & NYC DoITT
 - Vendors: Boundless & GeoDecisions
- Validate the tool through a yearlong pilot with up to 100 users
- Uses only City data
 - Bike routes: Maintained by NYC DOT
 - Building footprints: Planimetric data maintained by NYC DoITT







NYC Bike Map:







Webmap user interface:

Explorer - NYCyclist Data X	
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C EXCHANGE	🕐 Conor 🗸
NYCyclist Data Editor	Legend * H
Search Locations	Centerline Protected Bicycle Path
Notifications O Layers	Bicycle Lane Shared Route
Subway Stations	Walk Bike Building Footprints
V Building Footprints	Subway Stations
V Street Centerlines	
NYC Basemap	
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Crowdsourced Editing







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Users will log in, and make edits in the webmap environment. The city will import the data, accept or reject edits and export the data back to the app.













- System of Record is ESRI SDE and importable from Shapefiles
- "But we do not want to overwrite everybody's edits every time we refresh from the official repository..."









• Our Solution...Two GeoGig repos





NYCyclist Tracks History







- Choosing a commit, from a layer's edit history, the list of its changes is displayed.
- Selecting the change provides its graphic representation.







Bureaucracy is bureaucratic

Technology moves fast

•People like to be creative







- We are recruiting 100 users for the pilot project. Give me your info.
- Tell your cyclist, developer and GIS-user friends.



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