GIS @ OTI for GISMO AppFair 2022

Chris Rado
Director of GIS

New York City Office of Technology & Innovation (OTI)
Role of OTI GIS

• Design workflows to produce authoritative, API accessible geodata content that is easily findable from a robust public environment.

• Acquire regular aerial imagery and planimetric data updates

• Support developer use of geodata
Designing data workflows

Source

- Authoritative
- Push
- Pull
- Ad Hoc
- Scheduled

ETLs

Production

- Agency A
- Agency B
- Agency C
- Agency D
- Agency E
- ... Citywide share

Publication

- ArcGIS Online
- APIs for:
  - Basemaps
  - Imagery
  - GIS data layers
  - Standard data
  - Mobile/Field workflows
  - Streaming service

Consumption

- Application
- Development
- Analytics
- Visualizations
- Dashboards
- Open Data
- Downloads

Address Locator

ArcMap/Pro Direct Access

Other exports
What data will OTI GIS make available?
What data will OTI GIS make available?
What data will OTI GIS make available?
What data will OTI GIS make available?
What data will OTI GIS make available?
What data will OTI GIS make available?
APIs for everyone!

• Stable, reliable, up-to-date, authoritative, data sources hosted on a robust, redundant environment.
• No more weekly shapefile downloads—unless that’s what you want!
• No more sneaker-net data transfer operations!
Find all you need at NYCmaps

• Authoritative NYC geodata site that is:
  • Highly Available
  • Searchable
  • Maintained

• Authoritative NYC geodata site that has:
  • Documentation
  • Support Resources
  • Best Practice Recommendations
What OTI GIS is working on right now

- Building NYCmaps site
- Setting up data workflows and supporting infrastructure to publish to NYCmaps
- Drafting data governance and metadata standards
- Transitioning from legacy systems and applications
New Basemap City Data Explorer demo
Thanks!

Chris Rado, Director of GIS
chrado@doitt.nyc.gov

Tom Swanson, Executive Director, Citywide GIS
tomswanson@doitt.nyc.gov
New Basemap
New CityMap