Getting started with open data and ArcGIS Hub

Graham Hudgins, esri product engineer

Agenda

- Overview of open data in the ArcGIS Hub
- Demonstration of open data capabilities
- Preparing your data - best practices
- Building open data using the Share Open Data initiative
- Building open data from scratch
- Data federation
- Maturing your open data and demonstrating civic initiatives
- Where is esri taking open data and the ArcGIS Hub

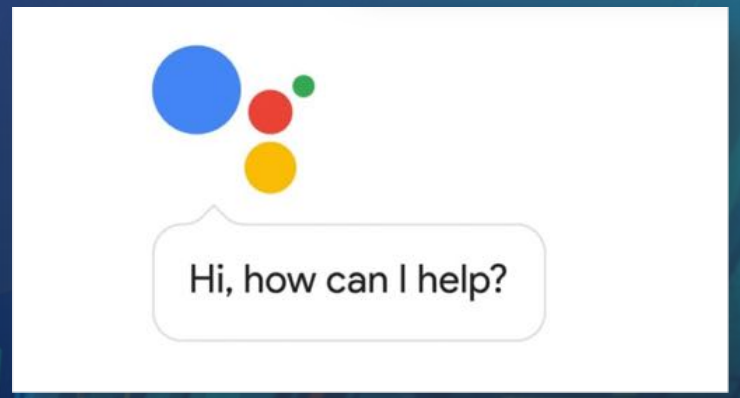
An overview of open data

Historically, how is data shared?

- Cloud file systems (dropbox/drive/box). physical media, FTP sites
  - Static snapshots over time
  - Quarterly release
  - Manual process to produce

- Data typically had terms of use
  - Used by academia & neighboring governments for analysis
  - Possibly aggregated into commercial datasets
  - Mindset was to “sell” or try to “buy” data

Where do YOU go for information



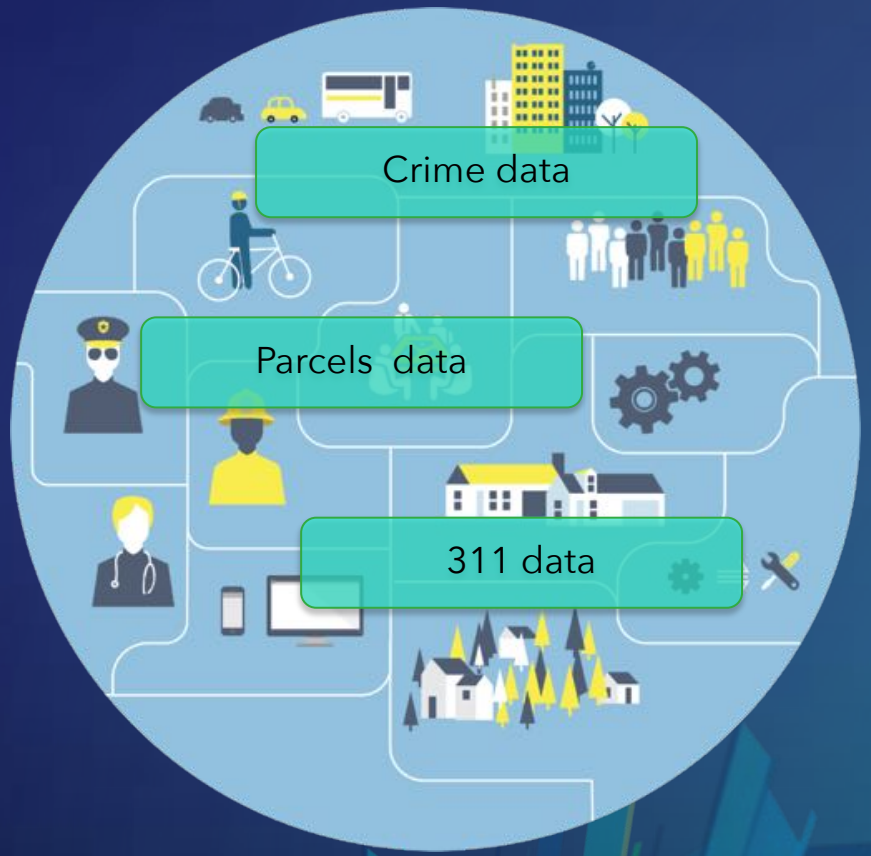
Modern Expectations of Sharing

- People expect data to be on the internet
  - International movement to provide transparency (FOIA) and enable economic development
  - Formalized process to license and share data to the public
  - Often supported by governing legislation

- Solutions connected to the system of record
  - The data should be up to date…it's 2018!
  - Minimal impact on the information workers

Agency Staff
Community Leaders
YOU
OPEN DATA
Citizens
Academia
Start-Ups

Sharing data doesn’t just help the public…it helps the university too



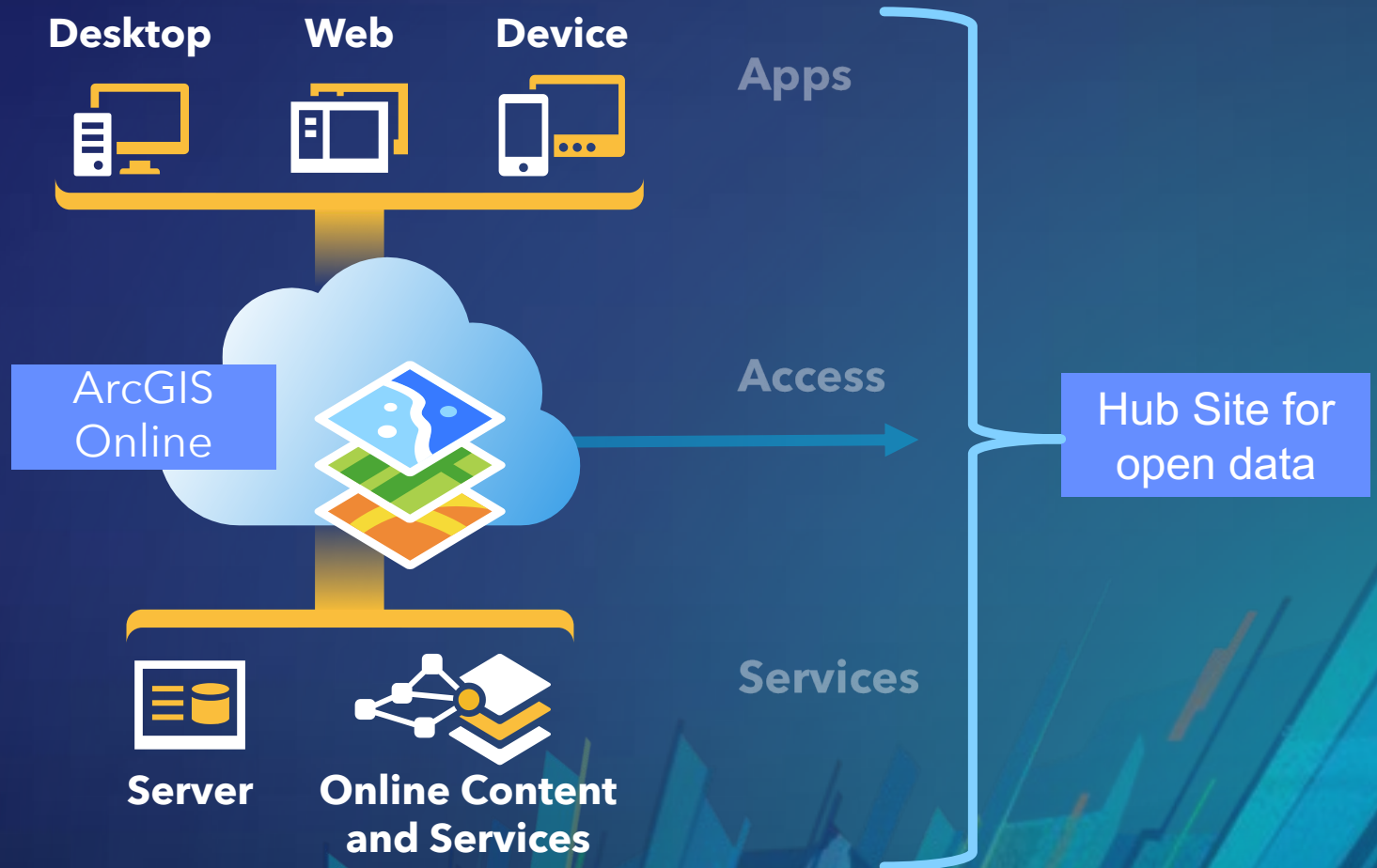
Part of the ArcGIS Platform

Providing open access to your published data

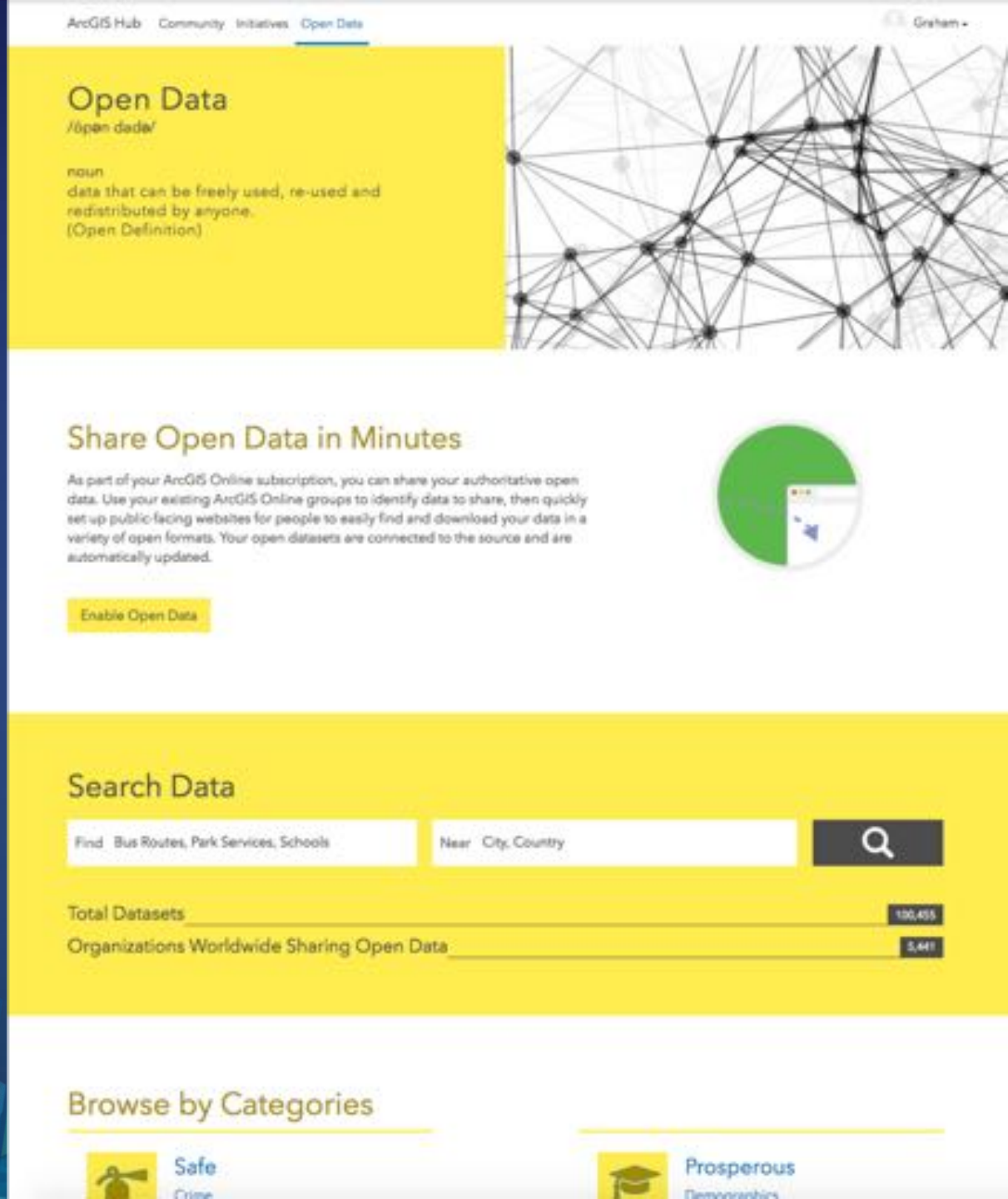
Simple

Integrated

Open



ArcGIS Hub
is a complete Open Data solution

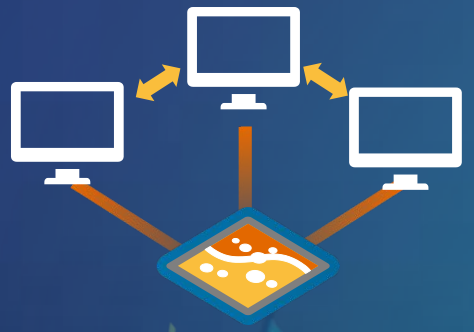


Hub Sites are built following these principles

Accessible

Discoverable

Explorable



Collaborative

Open data in the ArcGIS Hub

- Complete Open Data solution for Operational Tables and Spatial Data
  - 8,000+ Organizations around the world
  - 100,000+ Datasets shared into Open Data
  - 15,000,000+ Downloads in 2017

- Provide Custom Sites you control
  - Unlimited Bandwidth and API Usage
  - No restriction on the number of datasets
  - Auto-generated downloads
  - Suite of applications to provide context
  - ArcGIS sharing model

ArcGIS is a complete open data solution

- Build a **site** that represents your organization to the public
  - General or focused on issues, departments, events
- Automatically convert your data regardless of source, into **open file formats for download**
  - Support for Operational Tables and Spatial Data
- Apply your terms of use to **license the datasets**
- Add context to your datasets with **Applications**

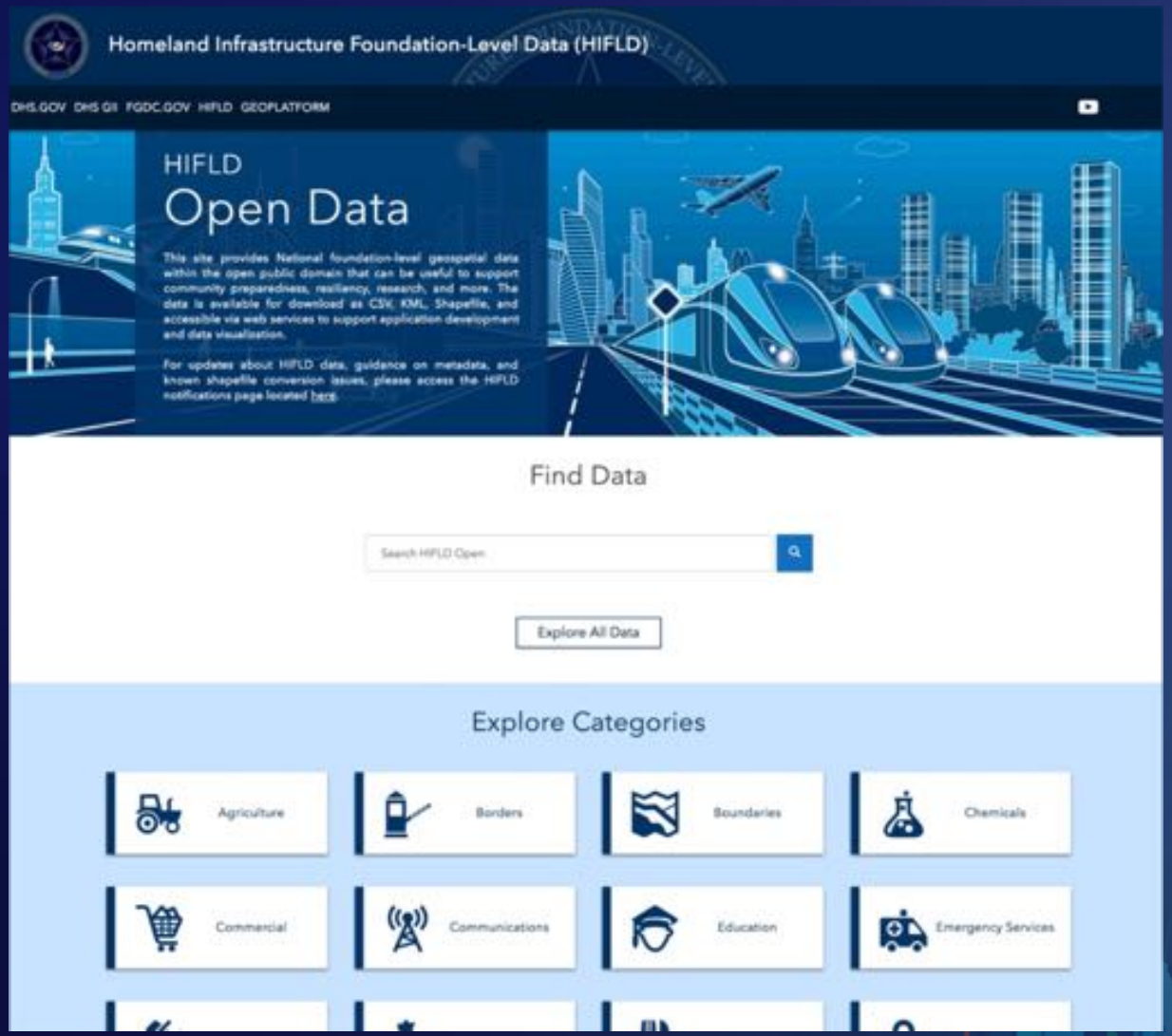
Leverages existing services and familiar workflows

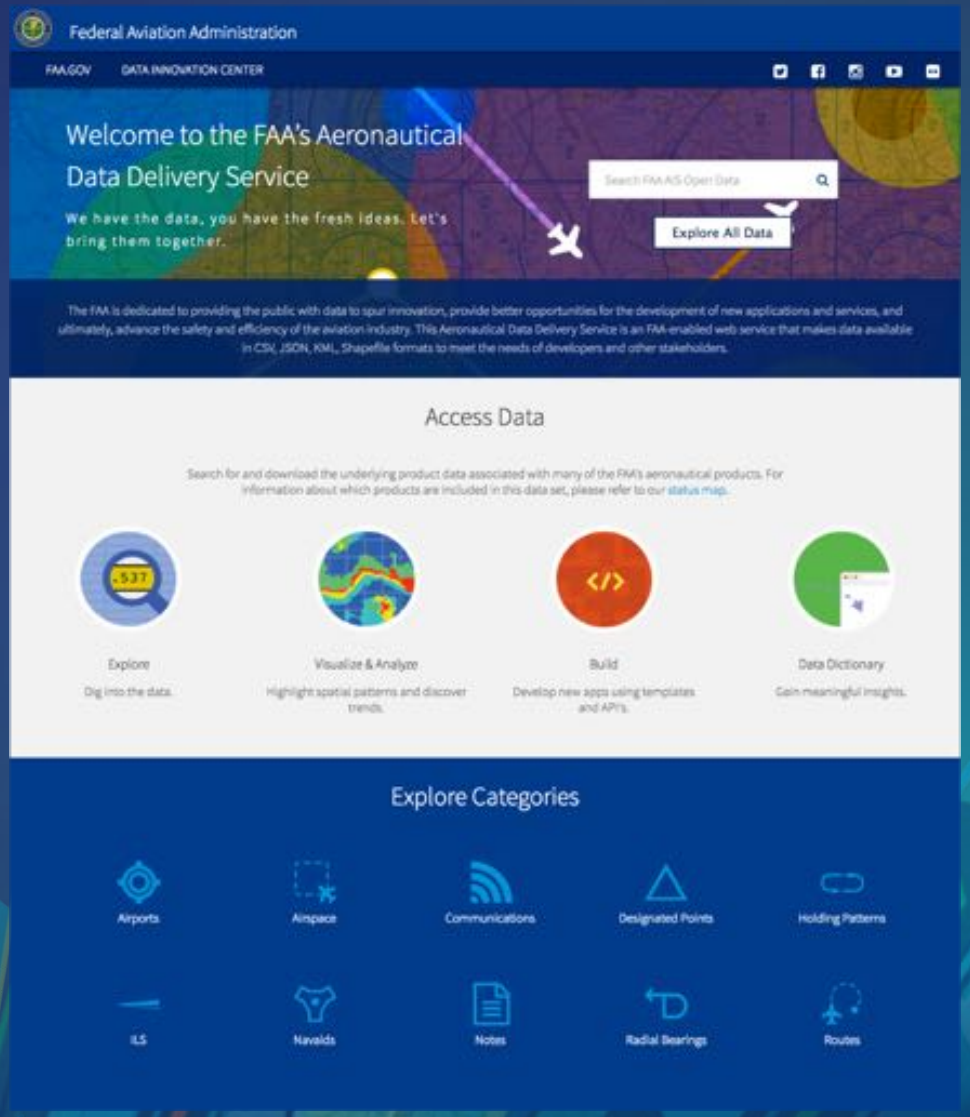
ArcGIS Hub Search

Auto ETL and Custom Search

- *Tax Parcels*
- *Sales*
- *Foreclosures*
- *Street Centerlines*
- *Address Points*
- *Points of Interest*
- *Building Footprints*
- *Subdivision Boundary*
- *Purchase Card Transactions*
- *Use of Force Events*
- *Calls for Service*
- *Tax Districts*
- *Park Locations*
- *School Zones*
- *Public Buildings*
- *Parking Ticket Locations*

Examples


Homeland Infrastructure Foundation-Level Data (HIFLD)
DHS.GOV DHS GII FGDC.GOV HIFLD GEOPLATFORM
HIFLD
Open Data
This site provides National foundation-level geospatial data within the open public domain that can be useful to support community preparedness, resiliency, research, and more. The data is available for download as CSV, KML, Shapefile, and accessible via web services to support application development and data visualization.
For updates about HIFLD data, guidance on metadata, and known shapefile conversion issues, please access the HIFLD notifications page located here.
Find Data
Search HIFLD Open
Explore All Data
Explore Categories
Agriculture
Borders
Boundaries
Chemicals
Commercial
Communications
Education
Emergency Services


Federal Aviation Administration
FAA.GOV
DATA INNOVATION CENTER
Welcome to the FAA's Aeronautical Data Delivery Service
We have the data, you have the fresh ideas. Let's bring them together.
Explore All Data
The FAA is dedicated to providing the public with data to spur innovation, provide better opportunities for the development of new applications and services, and ultimately, advance the safety and efficiency of the aviation industry. This Aeronautical Data Delivery Service is an FAA-enabled web service that makes data available in CSV, JSON, KML, Shapefile formats to meet the needs of developers and other stakeholders.
Access Data
Search for and download the underlying product data associated with many of the FAA's aeronautical products. For information about which products are included in this data set, please refer to our status map.
Explore
Dig into the data.
Visualize & Analyze
Highlight spatial patterns and discover trends.
Build
Develop new apps using templates and API's.
Data Dictionary
Gain meaningful insights.
Explore Categories
Airports
Airspace
Communications
Designated Points
Holding Patterns
ILS
Navaids
Notes
Radial Bearings
Routes

Towns
Cities
Multinational
NGO
Federal
Local
Regions
National

Engagement Maturity Path

Administrators:
Get your organization ready for Hub

Enabling Open Data – 4 things

- Open Data is enabled for your Org
- An Open Data group is created with content shared to it
- A Hub Site is created that uses the Open Data Group
- Non-Admin users in your org who you want to work on your site are empowered

Demo – Enable Open Data

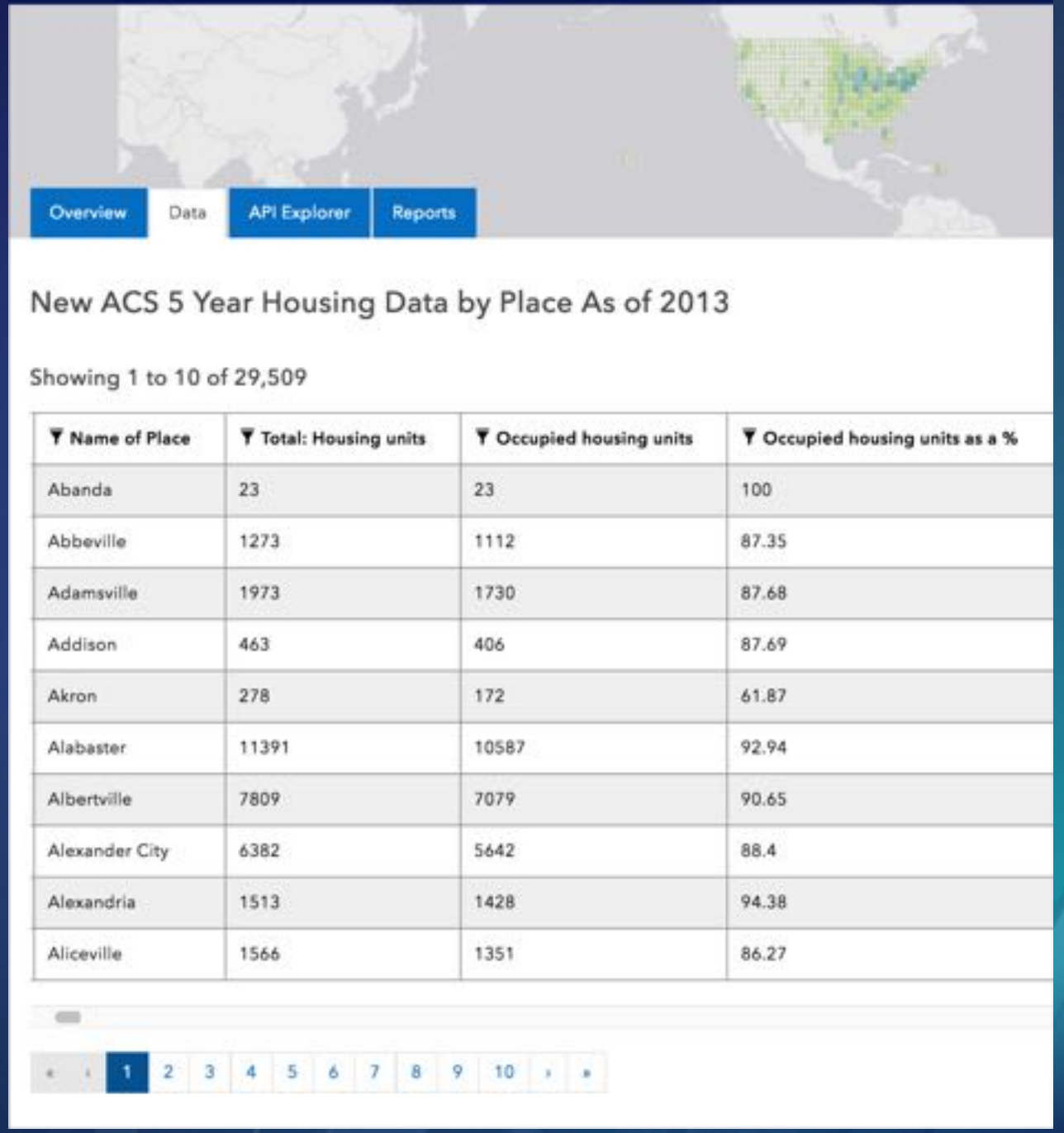
- Enabling open data (a few options)
- Setting up user roles for non-admins

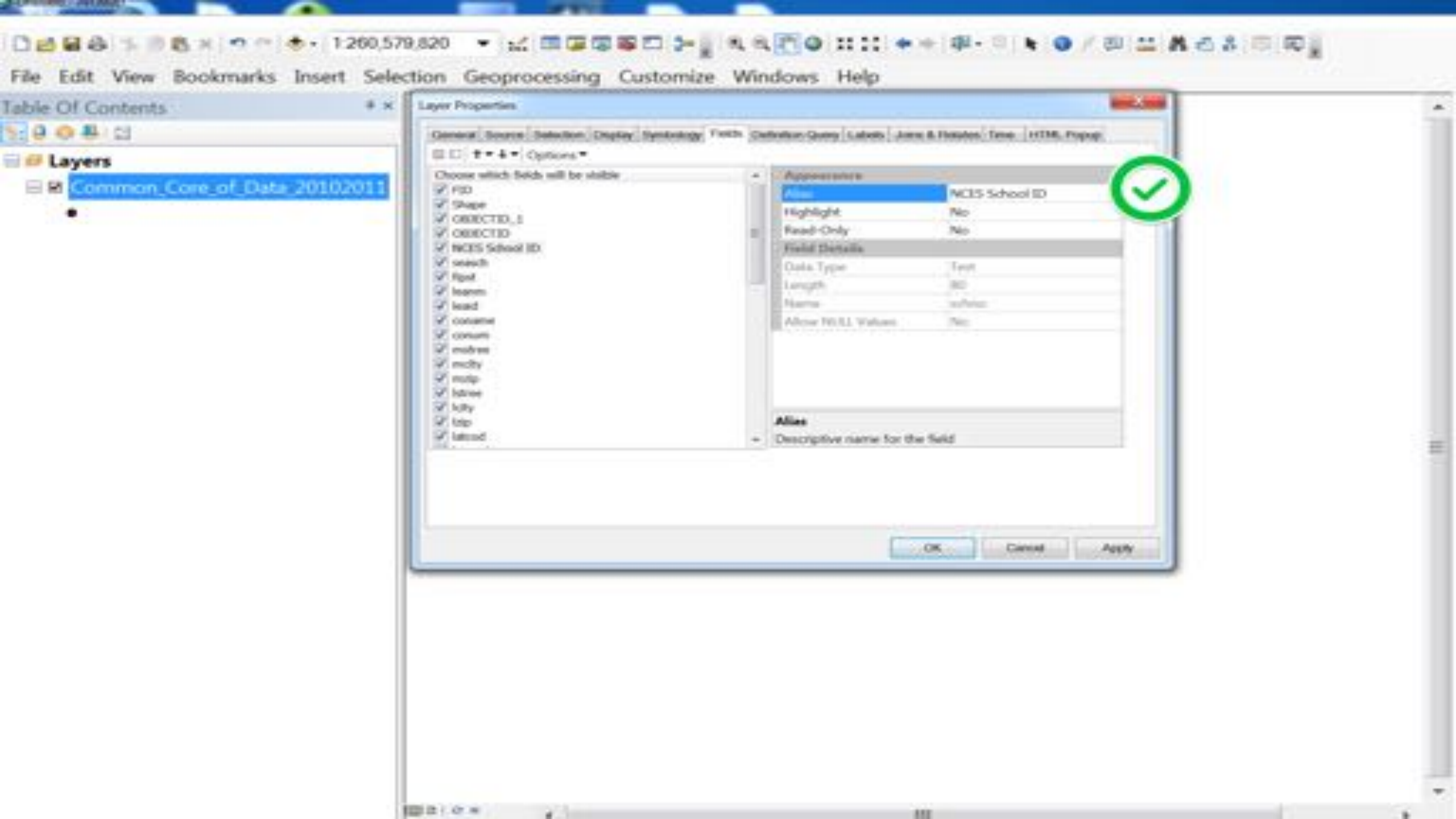
Building a data catalog

Getting data and services ready from desktop

- Humanize your attributes with attribute aliases

Overview
Data
API Explorer
Reports
ACS 5 Year Housing Data by Place As of 2013
Showing 1 to 10 of 29,509
NAME
B25002EST1
B25002EST2
B25002ES_1
Abanda 23 23 100
Abbeville 1273 1112 87.35
Adamsville 1973 1730 87.68
Addison 463 406 87.69
Akron 278 172 61.87
Alabaster 11391 10587 92.94
Albertville 7809 7079 90.65
Alexander City 6382 5642 88.4
Alexandria 1513 1428 94.38
Aliceville 1566 1351 86.27
« ‹ 1 2 3 4 5 6 7 8 9 10 › »


Overview
Data
API Explorer
Reports
New ACS 5 Year Housing Data by Place As of 2013
Showing 1 to 10 of 29,509
Name of Place
Total: Housing units
Occupied housing units
Occupied housing units as a %
Abanda 23 23 100
Abbeville 1273 1112 87.35
Adamsville 1973 1730 87.68
Addison 463 406 87.69
Akron 278 172 61.87
Alabaster 11391 10587 92.94
Albertville 7809 7079 90.65
Alexander City 6382 5642 88.4
Alexandria 1513 1428 94.38
Aliceville 1566 1351 86.27
« ‹ 1 2 3 4 5 6 7 8 9 10 › »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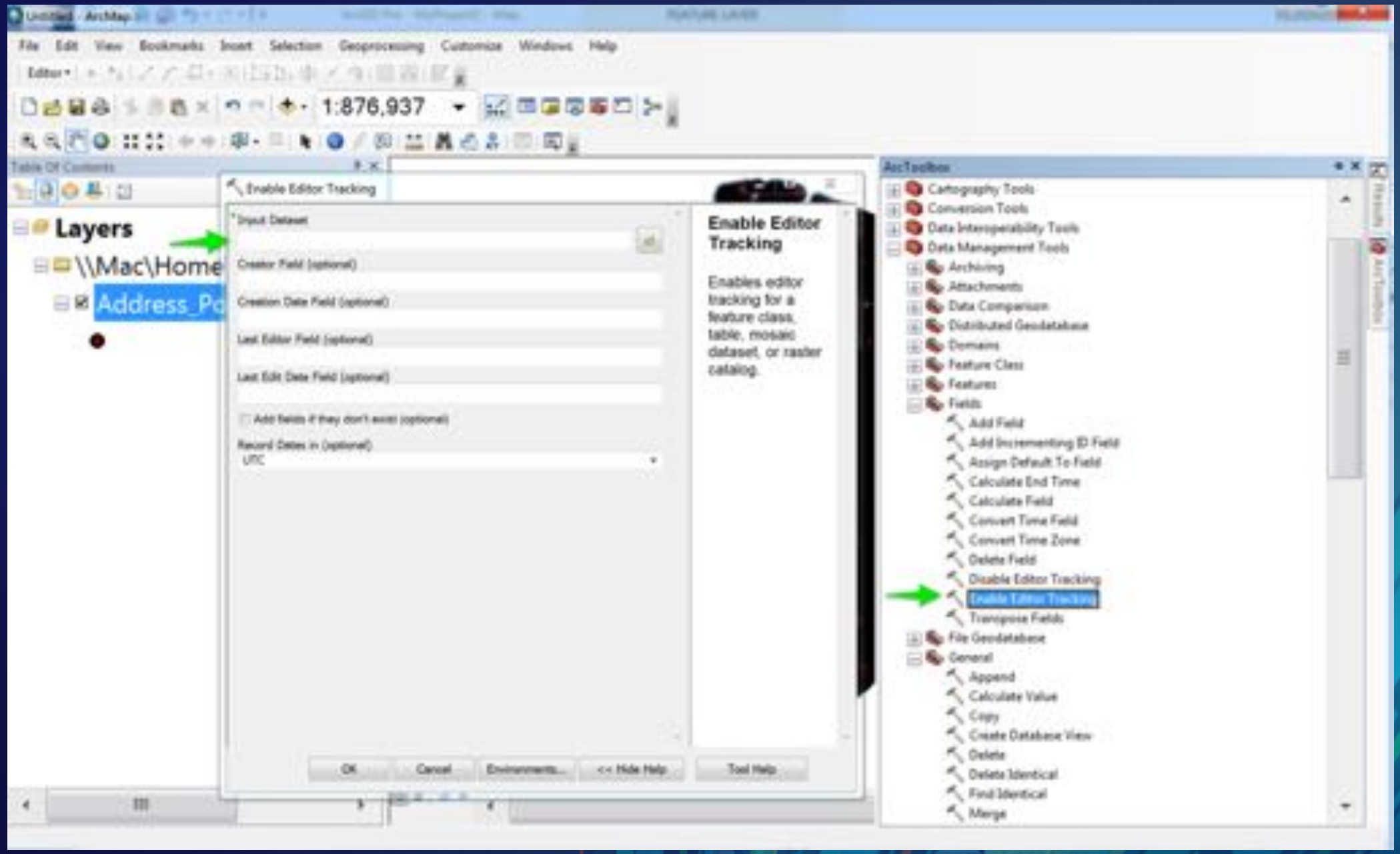
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
Table Of Contents
Layers
Common_Core_of_Data_20102011
Layer Properties
Choose which fields will be visible
FID
Shape
NCES School ID
Alias
NCES School ID
Highlight
No
Read-Only
No
Field Details
Alias
Descriptive name for the field
OK
Cancel
Apply

Getting data and services ready from desktop

- Humanize your attributes with attribute aliases
- Turn on editor tracking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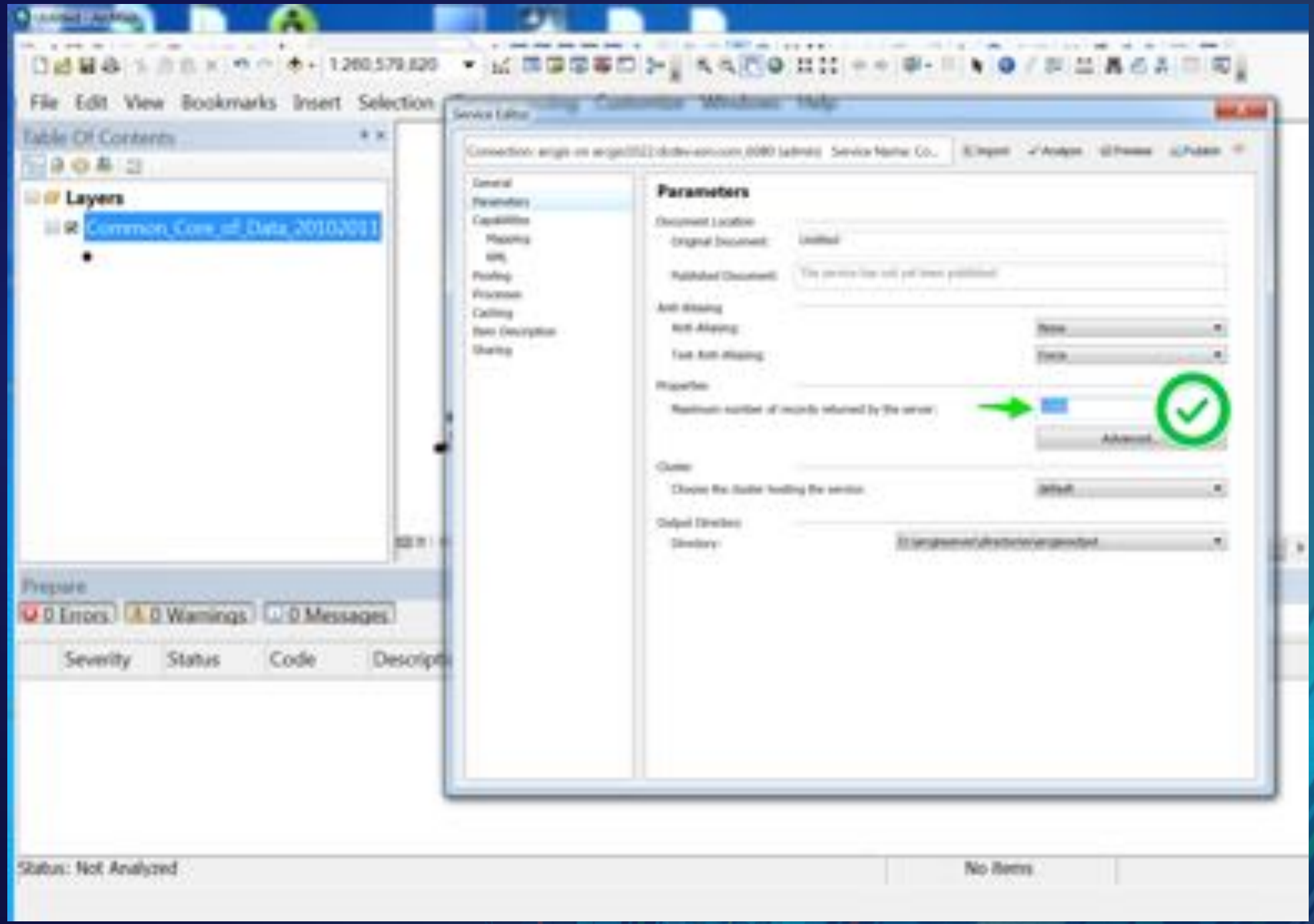
Enable Editor Tracking
Input Dataset
Creator Field (optional)
Creation Date Field (optional)
Last Editor Field (optional)
Last Edit Date Field (optional)
Add fields if they don't exist (optional)
Record Dates in (optional)
UTC
Enable Editor Tracking
Enables editor tracking for a feature class, table, mosaic dataset, or raster catalog.
OK
Cancel
Environments...
<< Hide Help
Tool Help
ArcToolbox
Cartography Tools
Conversion Tools
Data Interoperability Tools
Data Management Tools
Archiving
Attachments
Data Comparison
Distributed Geodatabase
Domains
Feature Class
Features
Fields
Add Field
Add Incrementing ID Field
Assign Default To Field
Calculate End Time
Calculate Field
Convert Time Field
Convert Time Zone
Delete Field
Disable Editor Tracking
Enable Editor Tracking
Transpose Fields
File Geodatabase
General
Append
Calculate Value
Copy
Create Database View
Delete
Delete Identical
Find Identical
Merge

Getting data and services ready from desktop

- Humanize your attributes with attribute aliases
- Turn on editor tracking
- Large data – simplify and reduce the number of vertices

Getting data and services ready from desktop

- Humanize your attributes with attribute aliases
- Turn on editor tracking
- Large data – simplify and reduce the number of vertices
- Server: latest is greatest
- Service parameters
  - Don’t alter the default maximum number of records returned from server


File Edit View Bookmarks Insert Selection
Table Of Contents
Layers
Parameters
Prepare
0 Errors
0 Warnings
0 Messages
Severity
Status
Code
Status: Not Analyzed
No Items

Getting data and services ready from desktop

- Humanize your attributes with attribute aliases
- Turn on editor tracking
- Large data – simplify and reduce the number of vertices
- Server: latest is greatest
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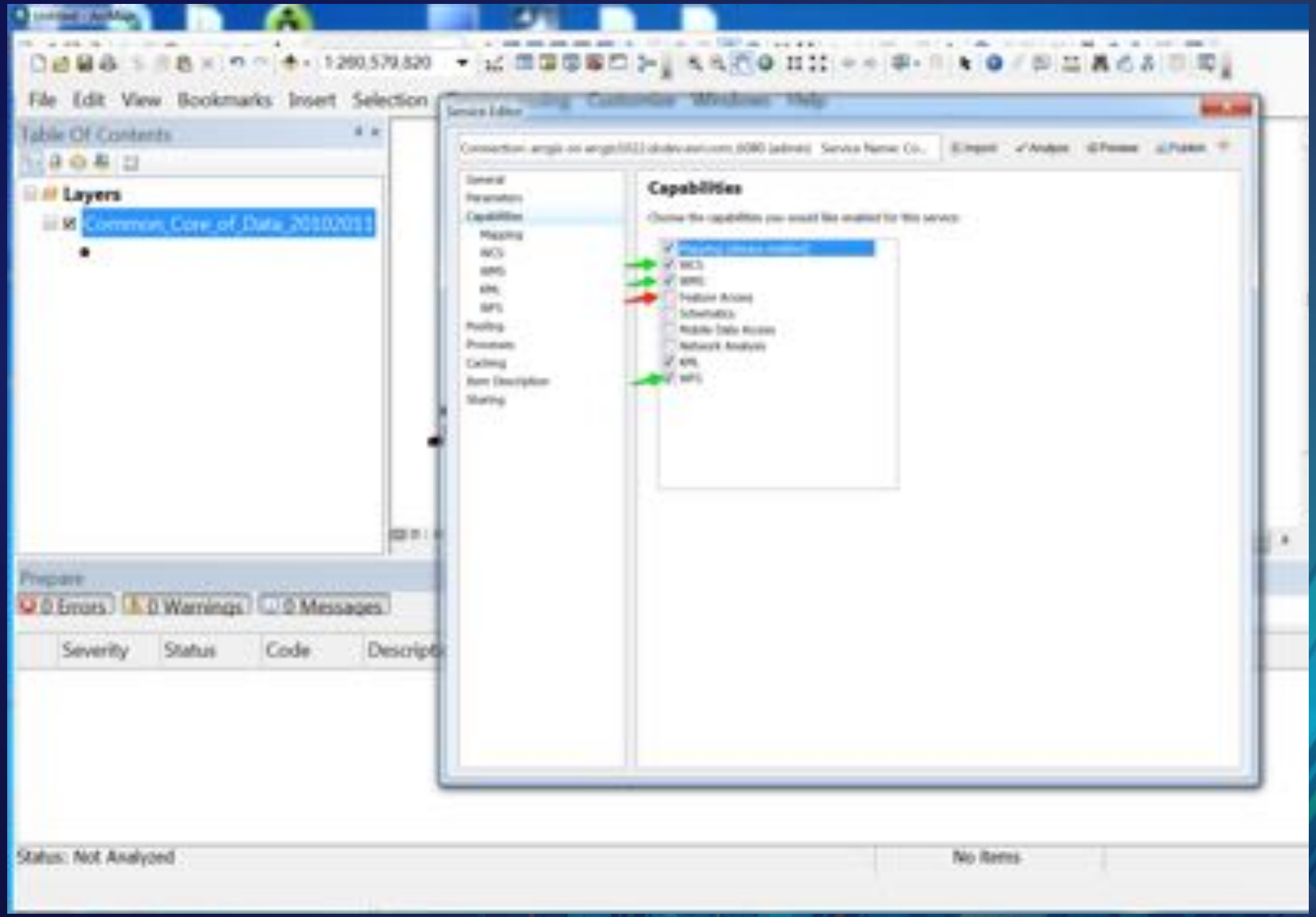
  - Don’t alter the default maximum number of records returned from server
- Service capabilities
  - Enable WMS, WFS, WCS (where applicable)
  - Turn off feature access if not needed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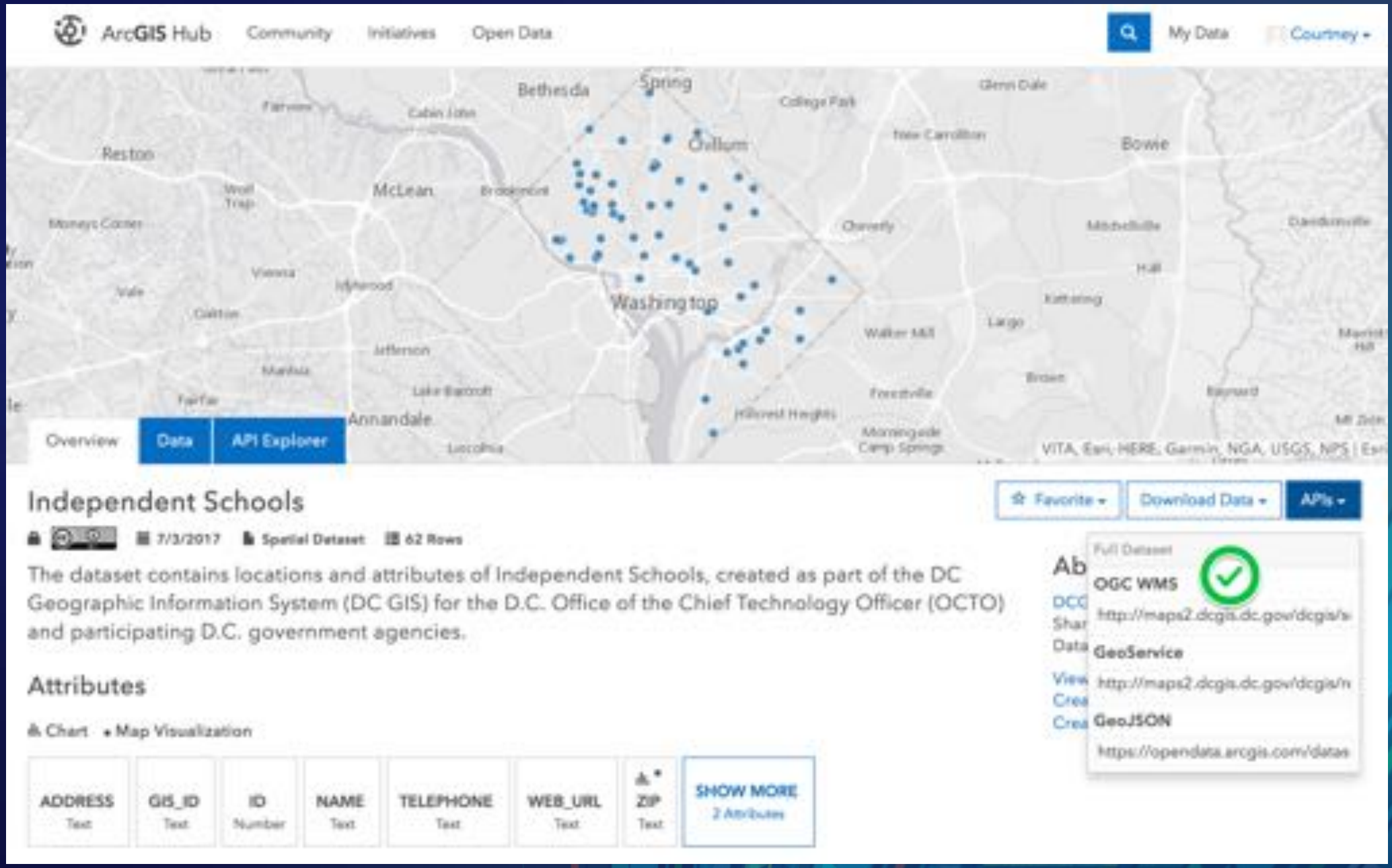

ArcGIS Hub
Community
Initiatives
Open Data
My Data
Courtney
Bethesda
Spring
Chillum
Reston
McLean
Washington
Bowie
Annandale
Overview
Data
API Explorer
Independent Schools
Favorite
Download Data
APIs
7/3/2017
Spatial Dataset
62 Rows
The dataset contains locations and attributes of Independent Schools, created as part of the DC Geographic Information System (DC GIS) for the D.C. Office of the Chief Technology Officer (OCTO) and participating D.C. government agencies.
Attributes
Chart
Map Visualization
ADDRESS Text
GIS_ID Text
ID Number
NAME Text
TELEPHONE Text
WEB_URL Text
ZIP Text
SHOW MORE
2 Attributes
Full Dataset
OGC WMS
http://maps2.dcgis.dc.gov/dcgis/s
GeoService
http://maps2.dcgis.dc.gov/dcgis/n
GeoJSON
https://opendata.arcgis.com/datas

Getting data and services ready from desktop

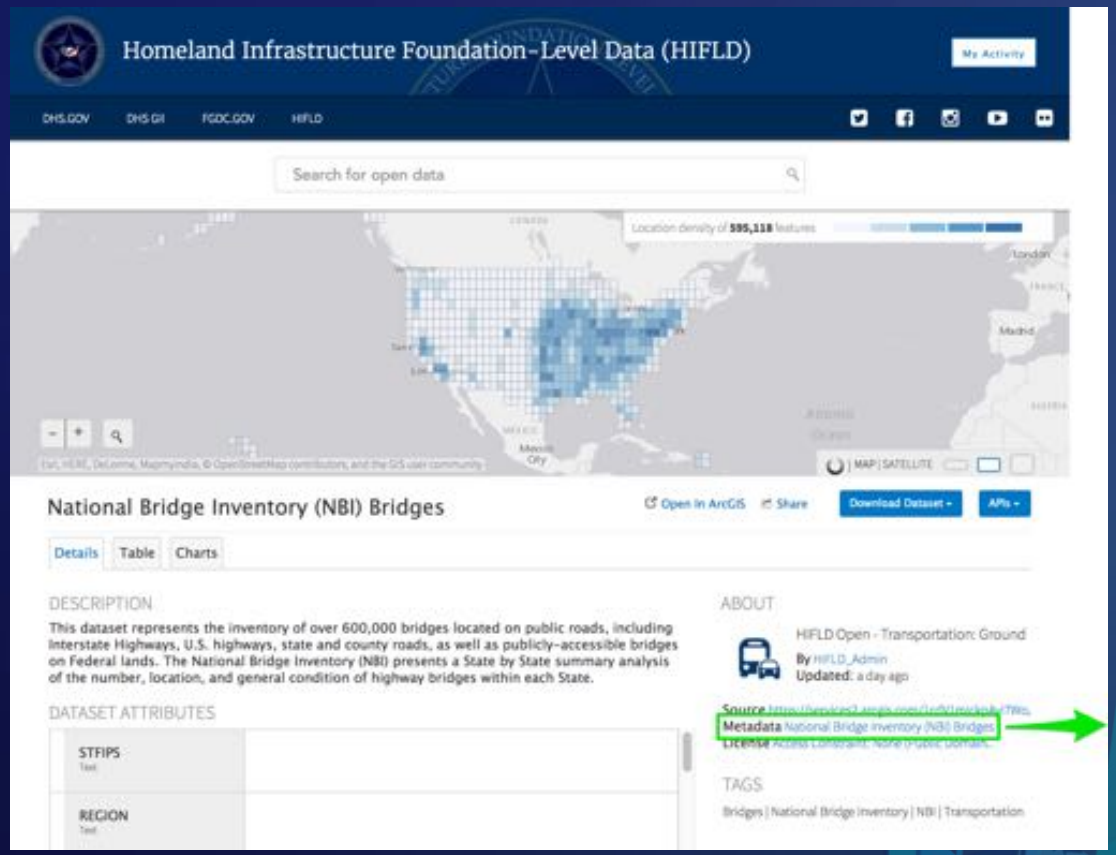
- Humanize your attributes with attribute aliases
- Turn on editor tracking
- Large data – simplify and reduce the number of vertices
- Server: latest is greatest
- Service parameters
  - Don’t alter the default maximum number of records returned from server
- Service capabilities
  - Enable WMS, WFS, WCS (where applicable)
  - Turn off feature access if not needed
- Organize layers (datasets) into multiple services
  - No more than twenty to a service

Hosted or on premises?

- Online is generally better – more performant, better updates, no stress to maintain
- Use ArcGIS Online to host:
  - Large datasets
  - Popular datasets
  - Any data you'd like automatically translated into file geodatabase

Customizing your data

- Structured metadata



National Bridge Inventory (NBI) Bridges

Identification Information:

Citation:

Citation Information:

Title: National Bridge Inventory (NBI) Bridges

Description:

Abstract: This dataset represents the inventory of over 600,000 bridges located on public roads, including Interstate Highways, U.S. highways, state and county roads, as well as publicly-accessible bridges on Federal lands. The National Bridge Inventory (NBI) presents a State by State summary analysis of the number, location, and general condition of highway bridges within each State.
Purpose: This dataset represents the inventory of over 600,000 bridges located on public roads, including Interstate Highways, U.S. highways, state and county roads, as well as publicly-accessible bridges on Federal lands.

Keywords:

Theme:

Theme Keyword Thesaurus: None
Theme Keyword: Bridges
Theme Keyword: National Bridge Inventory
Theme Keyword: NBI
Theme Keyword: Transportation

Access Constraints: Access Constraint: None (Public Domain Information)
Use Constraints: Access Constraint: None (Public Domain Information) Use Constraint: None (Public Use)
Data Set Credit: Federal Highway Administration (FHWA)

Spatial Data Organization Information:

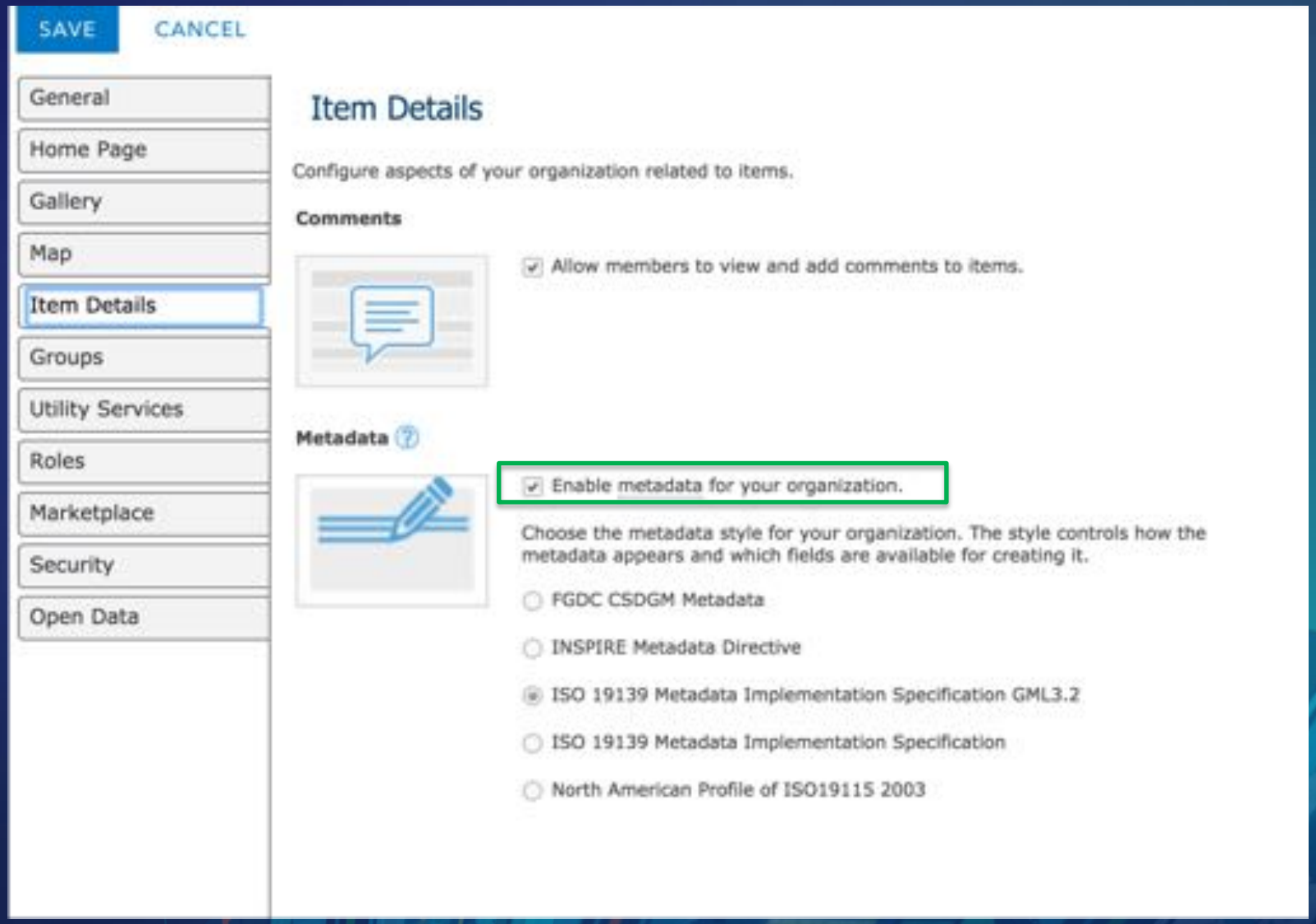
Point and Vector Object Information:

SDTS Terms Description:

Point and Vector Object Count: 607751

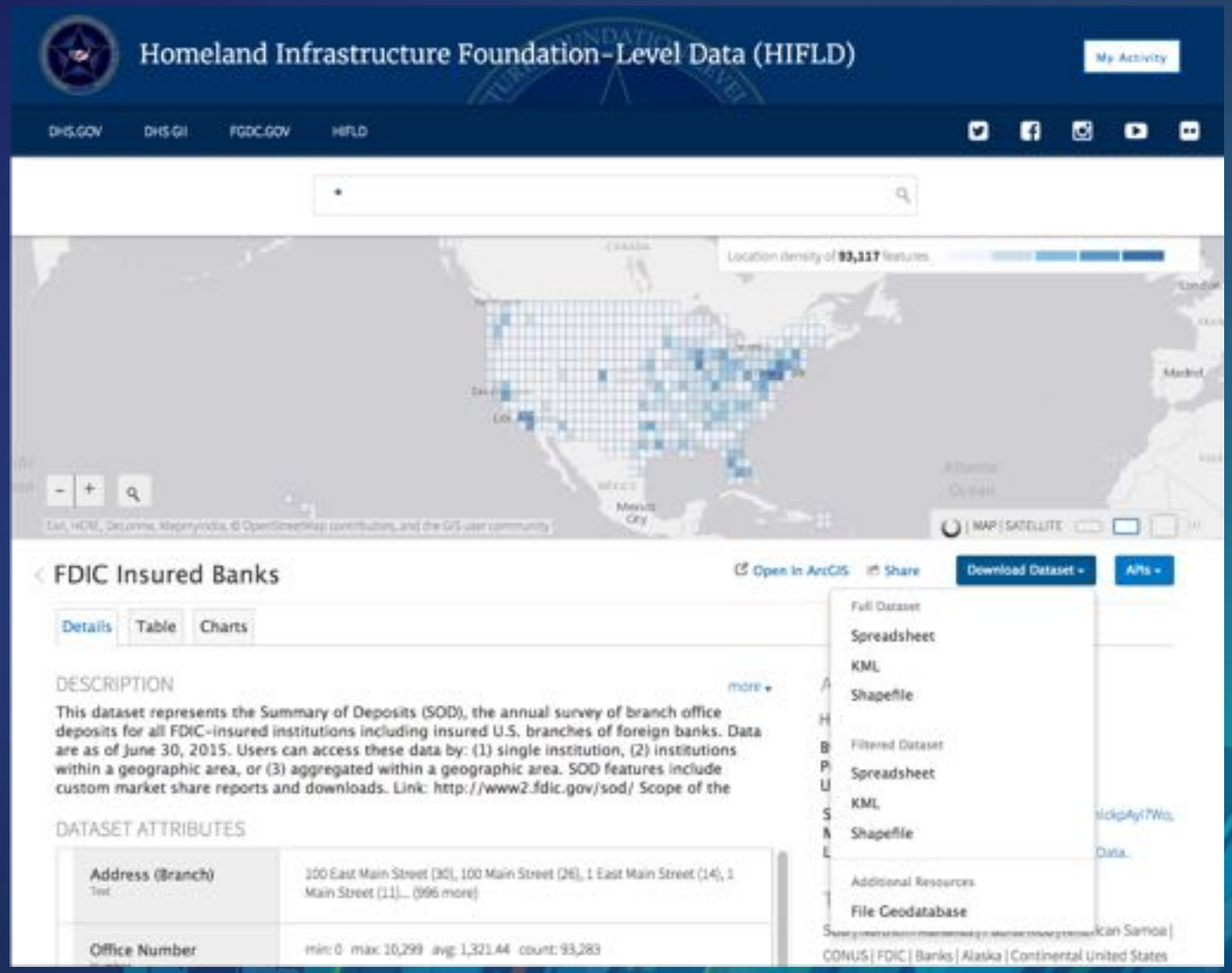
Customizing your data

- Structured metadata



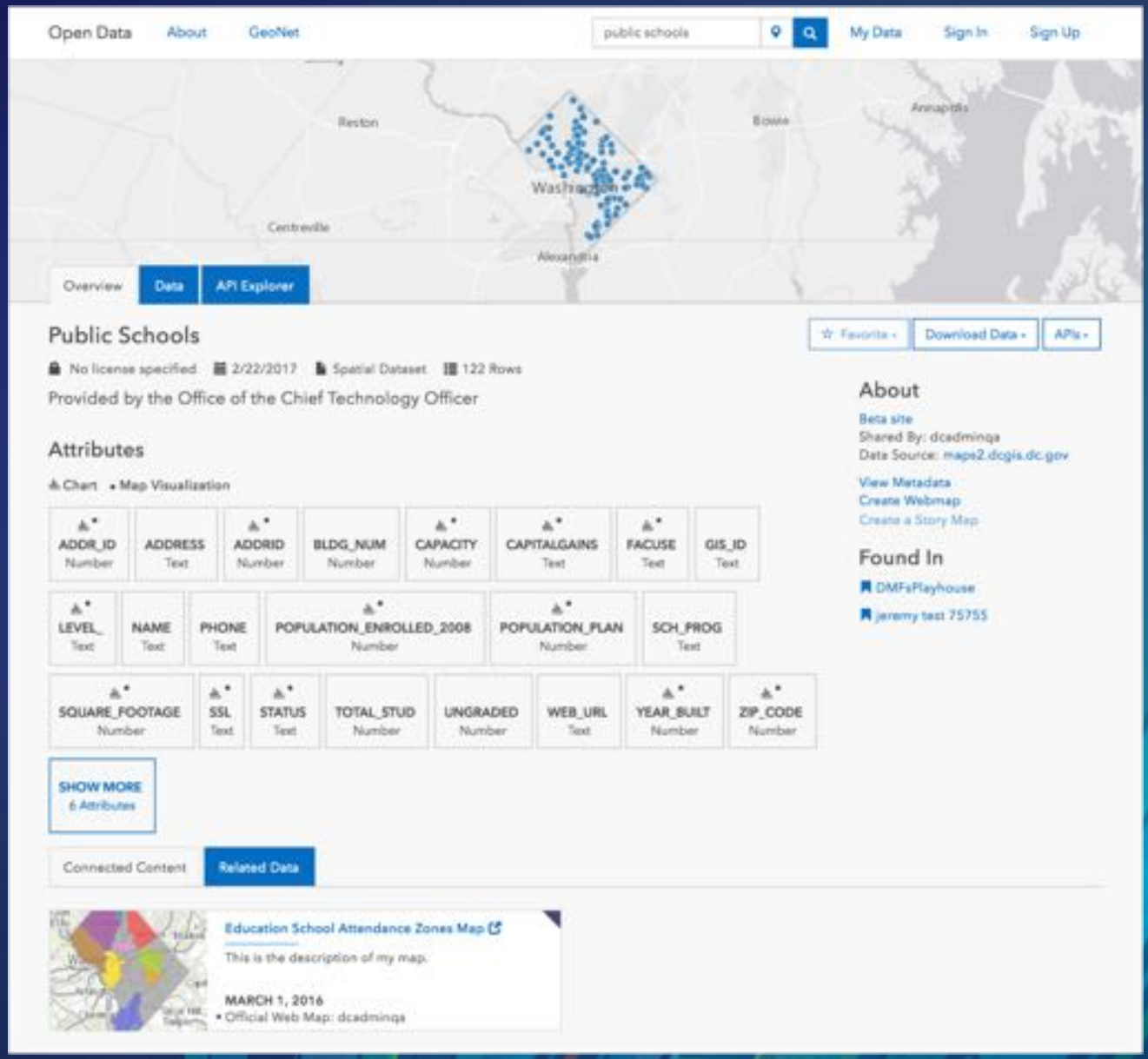
Customizing your data

- Add additional download types
  - Custom download distribution on structured metadata

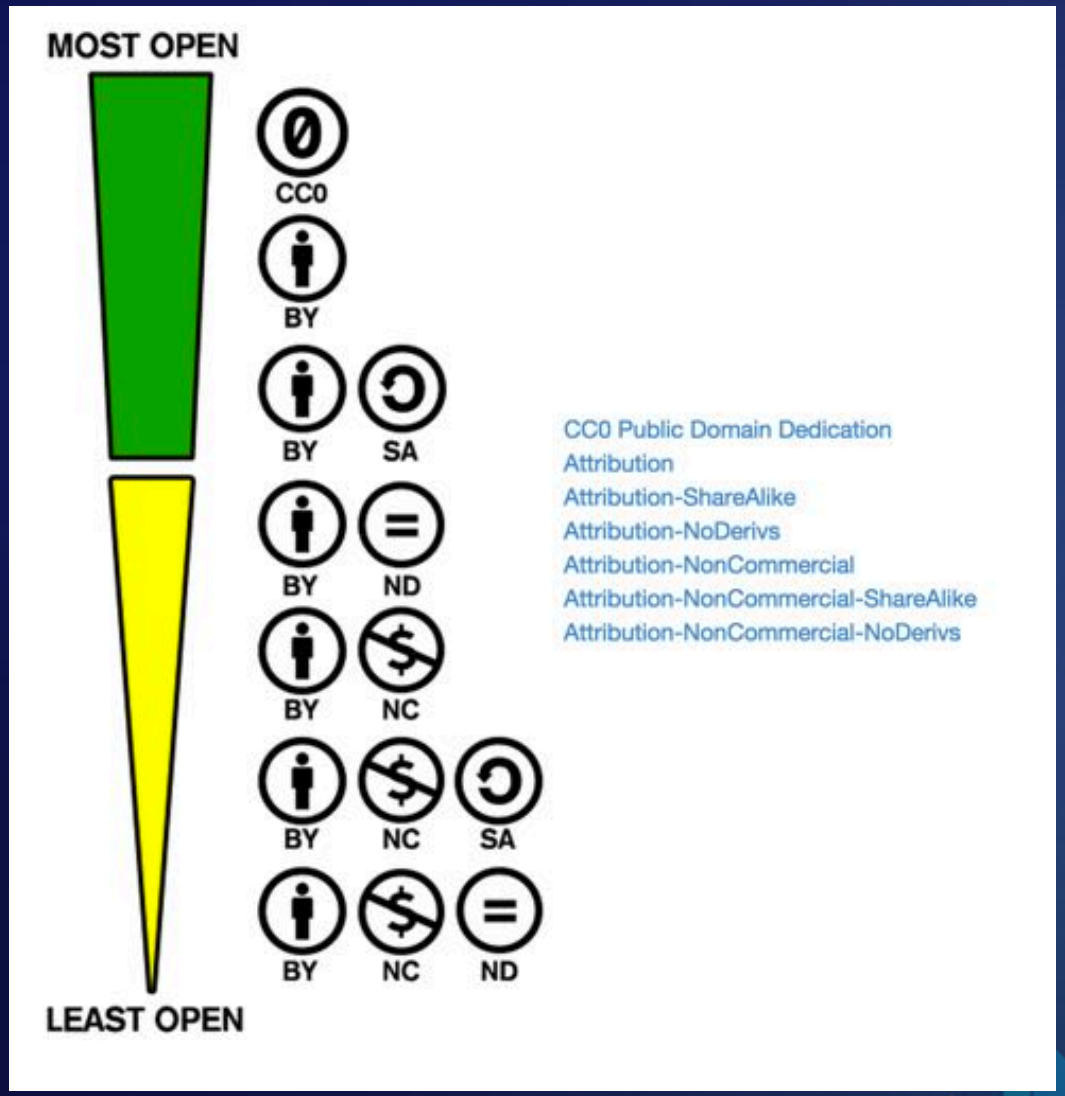


Customizing your data

- Connected content leverages webmaps and apps that use the same service
- Put webmaps using the same layers in the group you use on your site



Licensing



EXTREMELY USEFUL to build trust with your community

Demo – Building a data catalog

- Making an open data group
- Bringing in relevant data
- Using the “Share Open Data” initiative

Customizing your website

The Hub Site for your open data needs

- **Pre steps:**
  - Set your organization's shared theme (if you haven't already)
  - Outline your Hub's site map before you begin
- **Site creation through an Initiative**
  - Get access to esri's Share Open Data Initiative Hub site & page templates
- **Site creation in ArcGIS Hub**
  - Start with a blank site and customize

“Can you send me some HTML examples?”

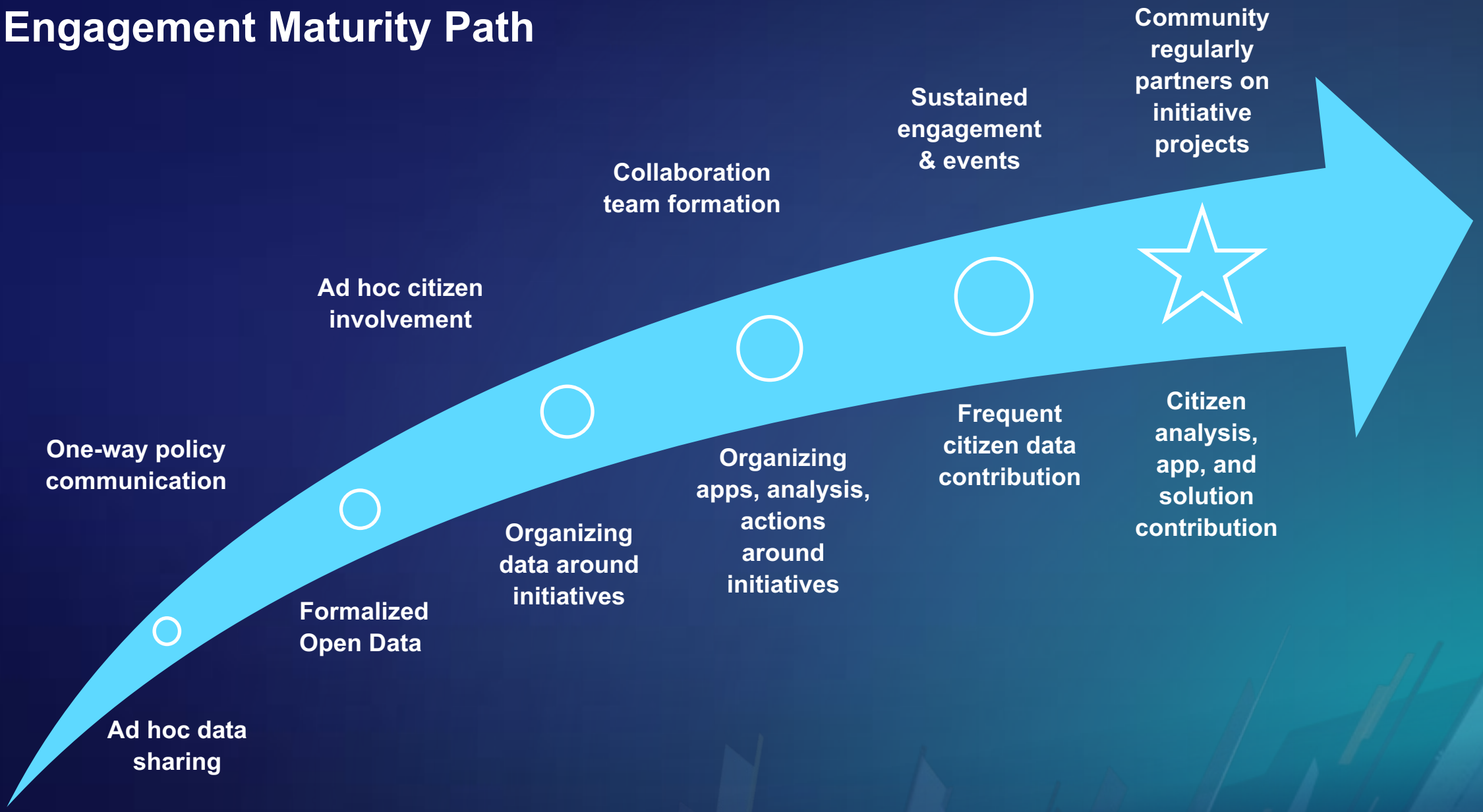
(It’s also in the Text card)

https://hub.arcgis.com/pages/site-customization

Demo - Customizing your website

- Cards for everything!
- Making your sites and pages
- Custom domains
- HTTPS

Engagement Maturity Path



Launch data driven initiatives

- Use data to tell a story and to drive action
- Problem-first thinking approach to open data
- Engaging! Involve your readers

Departments work in silos

Open Data only empowers commercial developers, journalists, expert citizens

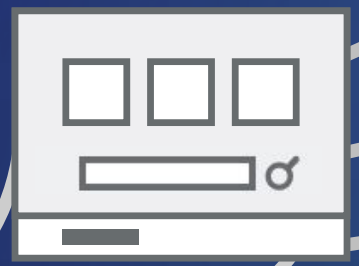
The chasm: How do you reach the rest of your community?

Everyday Citizens

Time

Departments work in silos

Open Data only empowers commercial developers, journalists, expert citizens



The chasm: How do you reach the rest of your community?

Launch initiatives that engage with groups of citizens on community issues

End homelessness

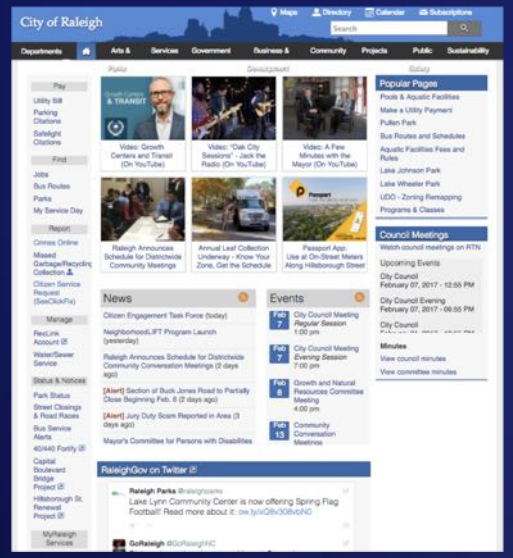
Address opioid addiction

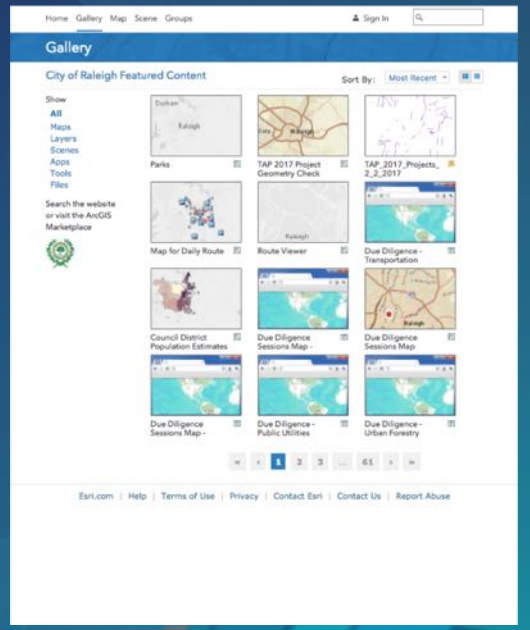
Everyday Citize…

Improve storm preparedness

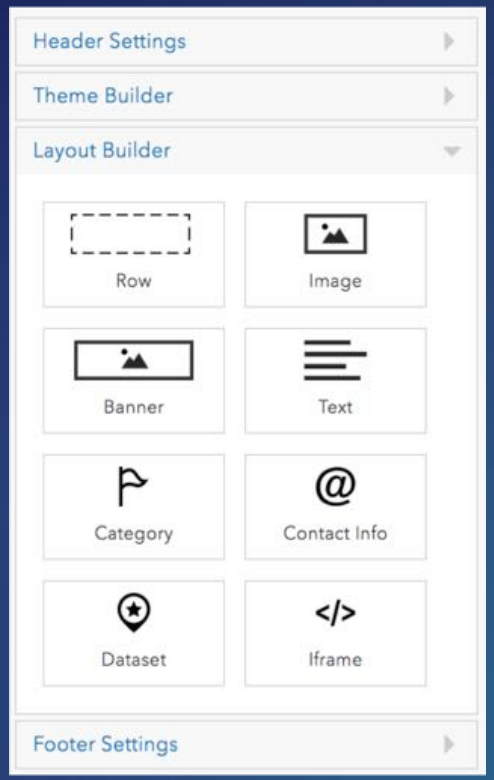
Time

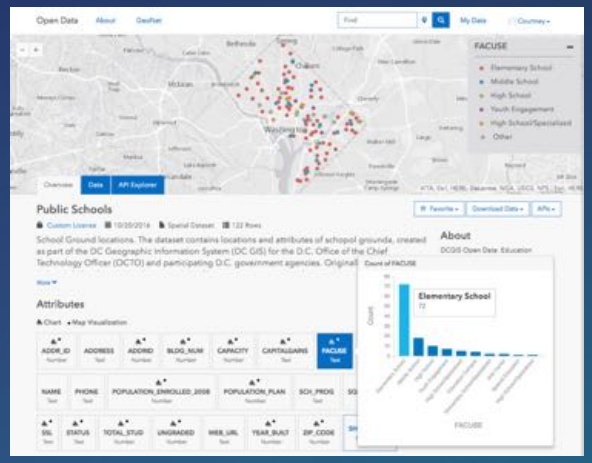
A Platform for Civic Engagement

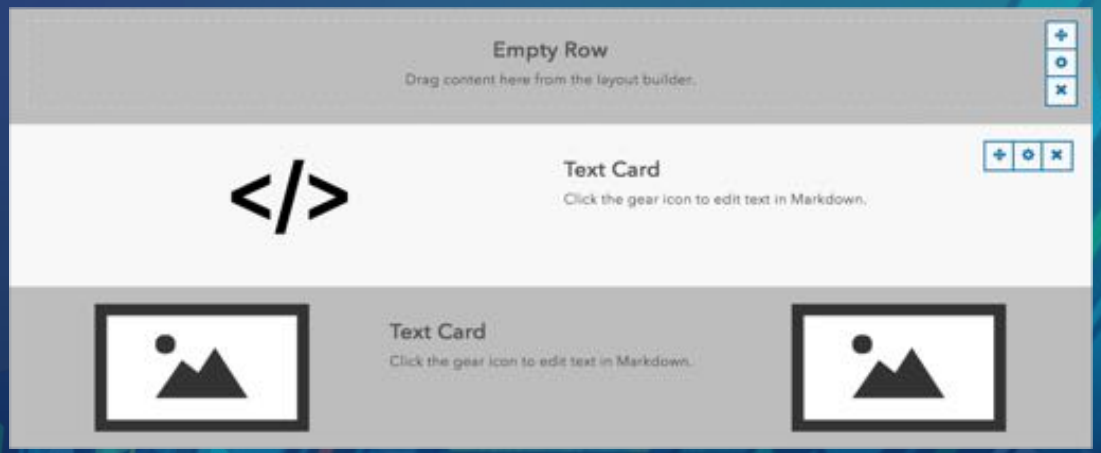




Tell Your Story with a Page

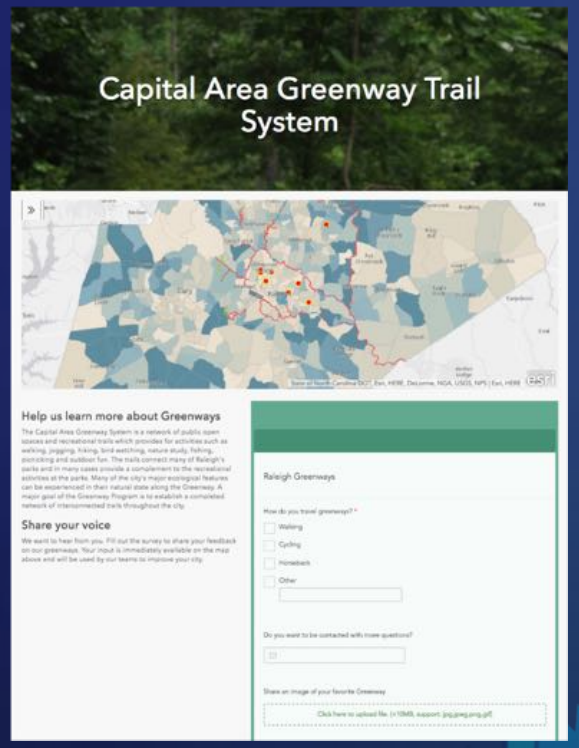


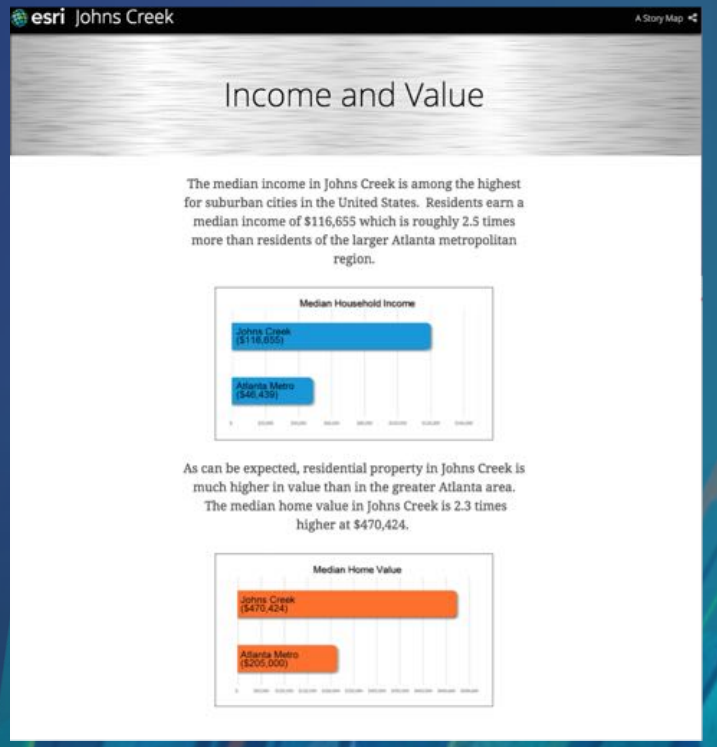




Engage Your Community

- Story Maps & Survey Apps for two way communication



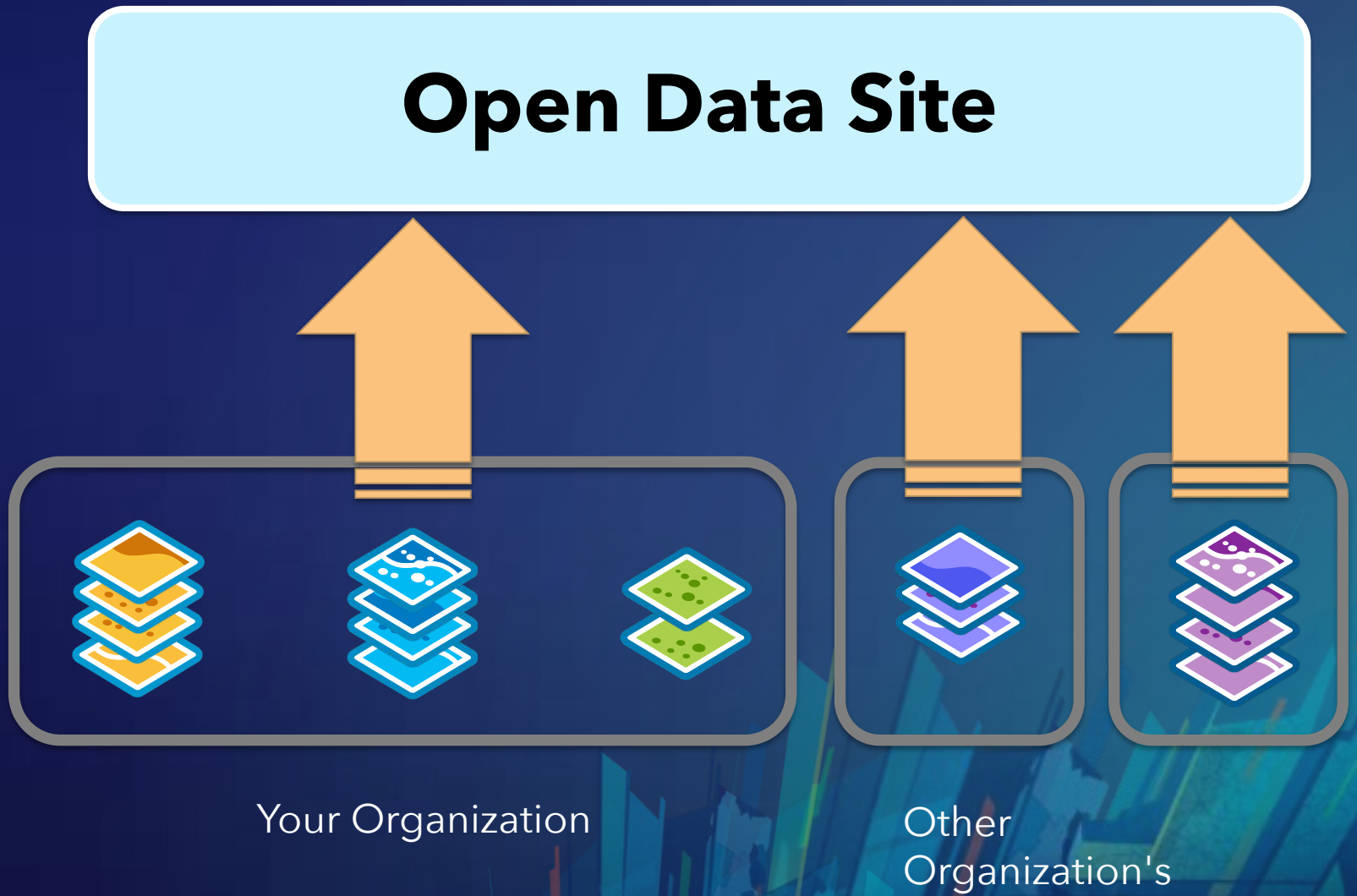


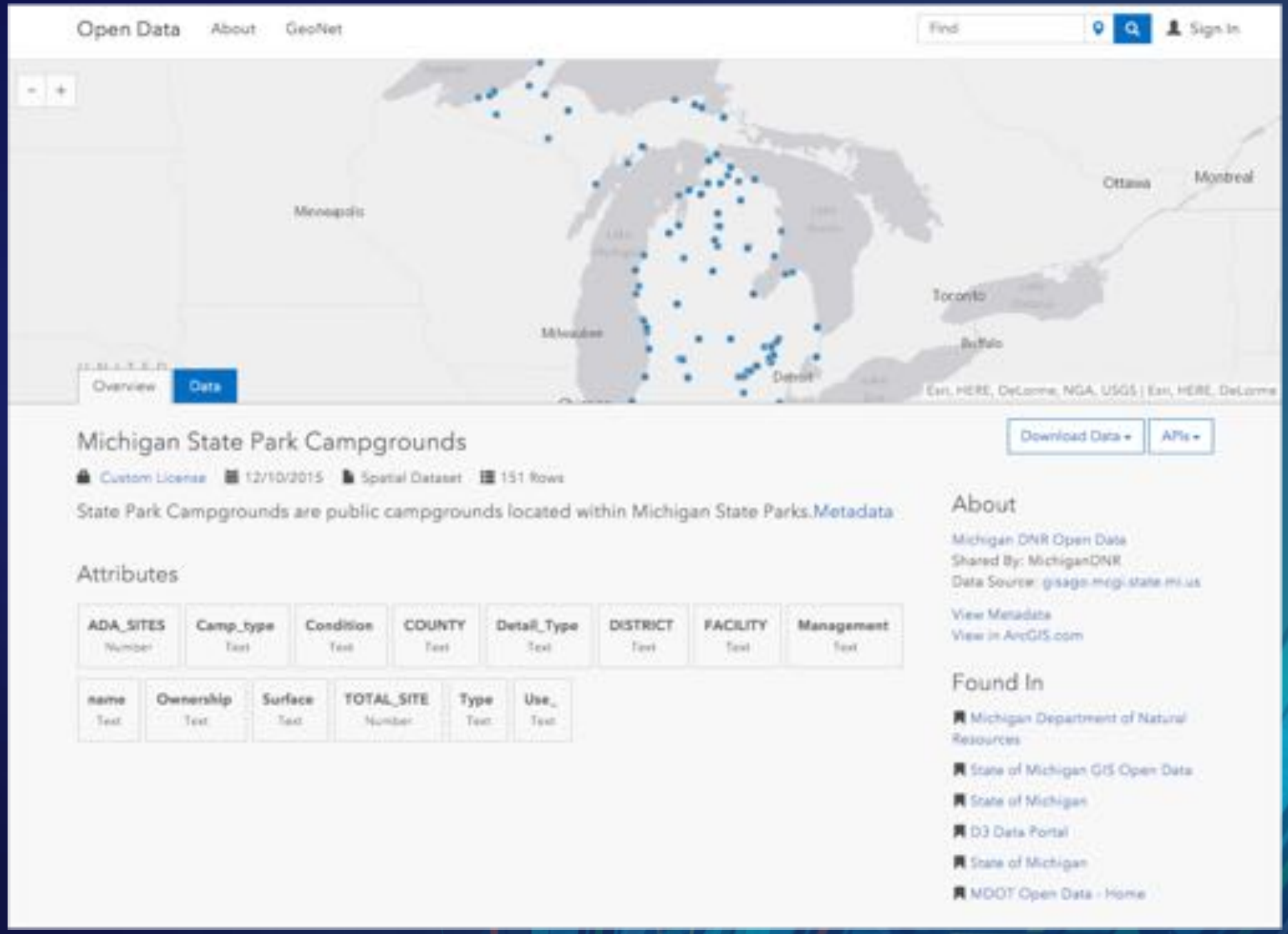
Demo - Private data on Hub Sites

- Your open data site can now be a resource for your colleagues too

Data federation

Leverages existing services and familiar workflows




Open Data
About
GeoNet
Find
Sign In
Minneapolis
Ottawa
Montreal
Toronto
Buffalo
Detroit
Overview
Data
Esri, HERE, DeLorme, NGA, USGS | Esri, HERE, DeLorme
Michigan State Park Campgrounds
Custom License
12/10/2015
Spatial Dataset
151 Rows
State Park Campgrounds are public campgrounds located within Michigan State Parks.Metadata
Download Data
APIs
Attributes
ADA_SITES Number
Camp_type Text
Condition Text
COUNTY Text
Detail_Type Text
DISTRICT Text
FACILITY Text
Management Text
name Text
Ownership Text
Surface Text
TOTAL_SITE Number
Type Text
Use_ Text
About
Michigan DNR Open Data
Shared By: MichiganDNR
Data Source: gisago.mdgi.state.mi.us
View Metadata
View in ArcGIS.com
Found In
Michigan Department of Natural Resources
State of Michigan GIS Open Data
State of Michigan
D3 Data Portal
State of Michigan
MDOT Open Data - Home

DATA.GOV
DATA
TOPICS -
IMPACT
APPLICATIONS
DEVELOPERS
CONTACT
The home of the U.S. Government's open data
Here you will find data, tools, and resources to conduct research, develop web and mobile applications, design data visualizations, and more.
GET STARTED
SEARCH OVER 194,832 DATASETS
Federal Student Loan Program Data
BROWSE TOPICS
Agriculture
Business
Climate
Consumer
Ecosystems
Education
Energy
Finance
Health
Local Government
Manufacturing
Ocean
Public Safety
Science & Research

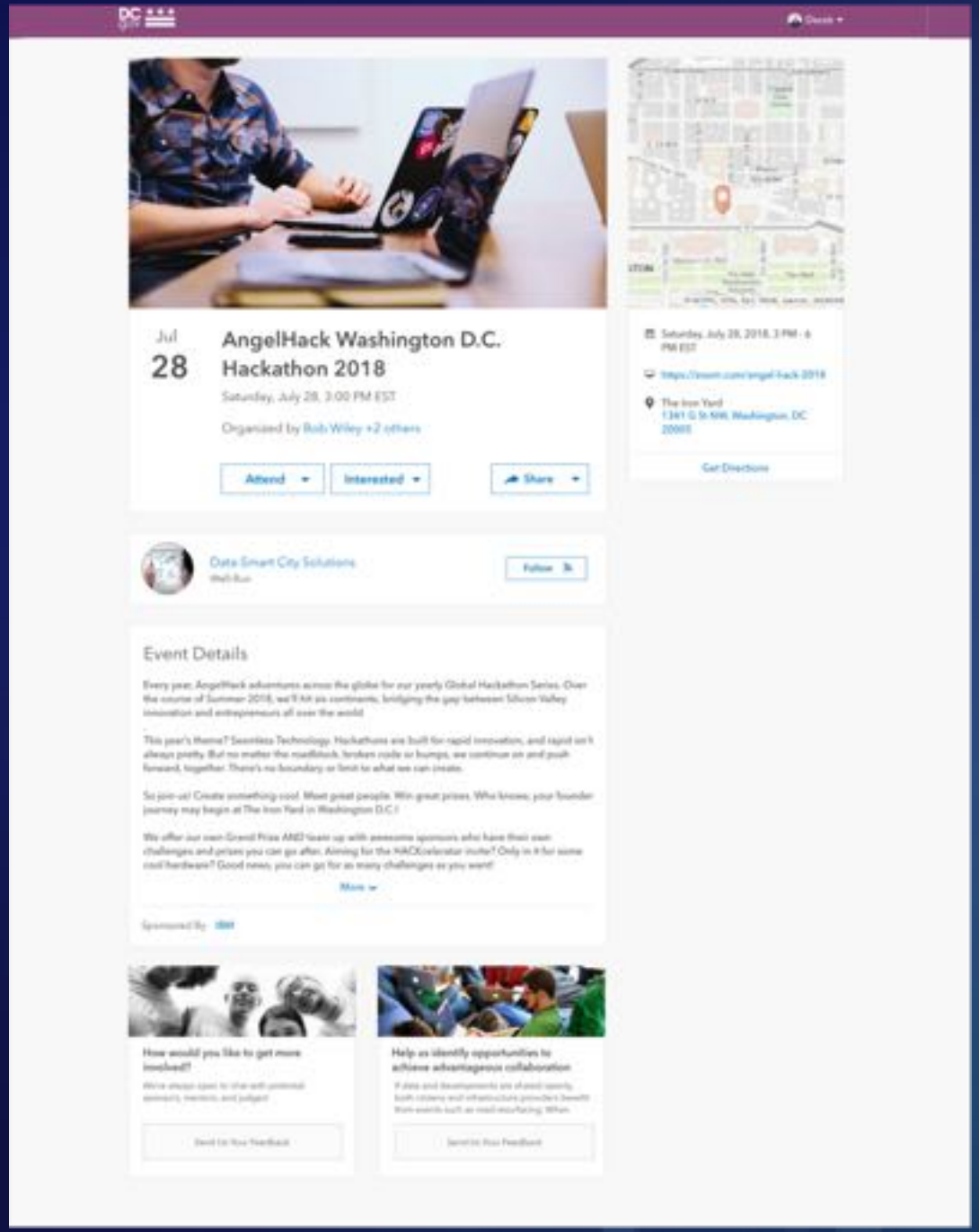
Demo – Federating with data.gov

What’s next for ArcGIS Hub

Non-Reliance Notice

Coming soon

Features that will be out in 1-2 months


Jul
28
AngelHack Washington D.C. Hackathon 2018
Saturday, July 28, 3:00 PM EST
Organized by Bob Wiley +2 others
Attend
Interested
Share
Data-Smart City Solutions
Well-Run
Follow
Event Details
How would you like to get more involved?
Help us identify opportunities to achieve advantageous collaboration

9:41 AM
100%
dc.hub.arcgis.com
AngelHack Washington D.C. Hackathon 2018
Saturday, July 28, 2018, 3 PM - 6 PM EST
Organized by Bob Wiley +2 others
Attend
Interested
Data-Smart City Solutions
Well-Run
Event Details
Every year, AngelHack adventures across

Title*

AngelHack Washington D.C. Hackathon 2018 30/75

Details

Description*

Every year, AngelHack adventures across the globe for our yearly Global Hackathon Series. Over the course of Summer 2018, we'll hit six continents, bridging the gap between Silicon Valley innovation and entrepreneurs all over the world

.

This year's theme? Seamless Technology. Hackathons are built for rapid innovation, and rapid isn't

Related Initiative*

Data-Smart City Solutions

Organizer*

Name	Contact Method
Bob Wiley	shunter@esri.com
Mario Ortiz	212-555-1234
Rose Lathigra	212-555-1234

+ Add Organizer

Sponsors

Display As	Contact Method
IBM	https://ibm.com/dc/smart-partnerships

+ Add Sponsor

Where*

In-Person | Online | Both

Venue

The Iron Yard

Address

1341 G St NW, Washington, DC 20005

Address 2

Example - Room number

Attendance Capacity

Unlimited | Fixed | 300

When*

Start Date 7/28/2018 Start Time 3:00 PM End Date 7/28/2018 End Time 6:00 PM EST

All Day Event

Apps

Add apps to help inform, engage and monitor your attendees.

Add Existing

New From Template

Cancel Save Changes Publish

Catalogs

Public (25)

Restricted (4)

Filter By

Capabilities

permits downloads (15)
has an api (15)

Tags

Test (10)
Hemhands (9)
2013 (6)
Acs 5 Year (6)
Census Api (6)

More

Owner

Dcadminqa (25)

Content Type

Feature Service (15)
Map Service (9)
Web Map (1)

Source

dcadminqa (25)

Hub Type

Dataset (17)
Map (8)

1 - 10 of 25 results

Relevance

Condos With Ownership Info
Shared by dcadminqa

null

Custom License · 4/24/2018 · Dataset

Baltimore City Full And Part Time Jobs By Industry: 2001-2040
Shared by dcadminqa

Full and Part Time Jobs in Baltimore City by Industry and by Place of Work from 2001 to 2040.

No license specified · 9/8/2016 · Dataset

114th Congressional Districts
Shared by dcadminqa

115th Congressional Districts; January 1, 2017 vintage

No license specified · 1/21/2015 · Dataset

Tree Canopy 2016
Shared by dcadminqa

null

No license specified · 6/20/2018 · Dataset

Tree Canopy 2011
Shared by dcadminqa

null

No license specified · 6/20/2018 · Dataset

Tree Canopy 2008
Shared by dcadminqa

null

No license specified · 6/20/2018 · Dataset

Resource Protection Buffer
Shared by dcadminqa

null

No license specified · 6/20/2018 · Dataset

Explore Initiatives

Create New Initiative

All Themes

Search

Address Opioid Epidemic

Healthy, Safe

Details

Preview

Avoid Obesity Epidemic

Details

Preview

Custom Initiative

Details

Preview

Financial Responsibility

Details

Preview

Grow Your Local Economy

Prosperous

Details

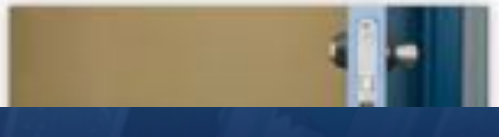
Preview

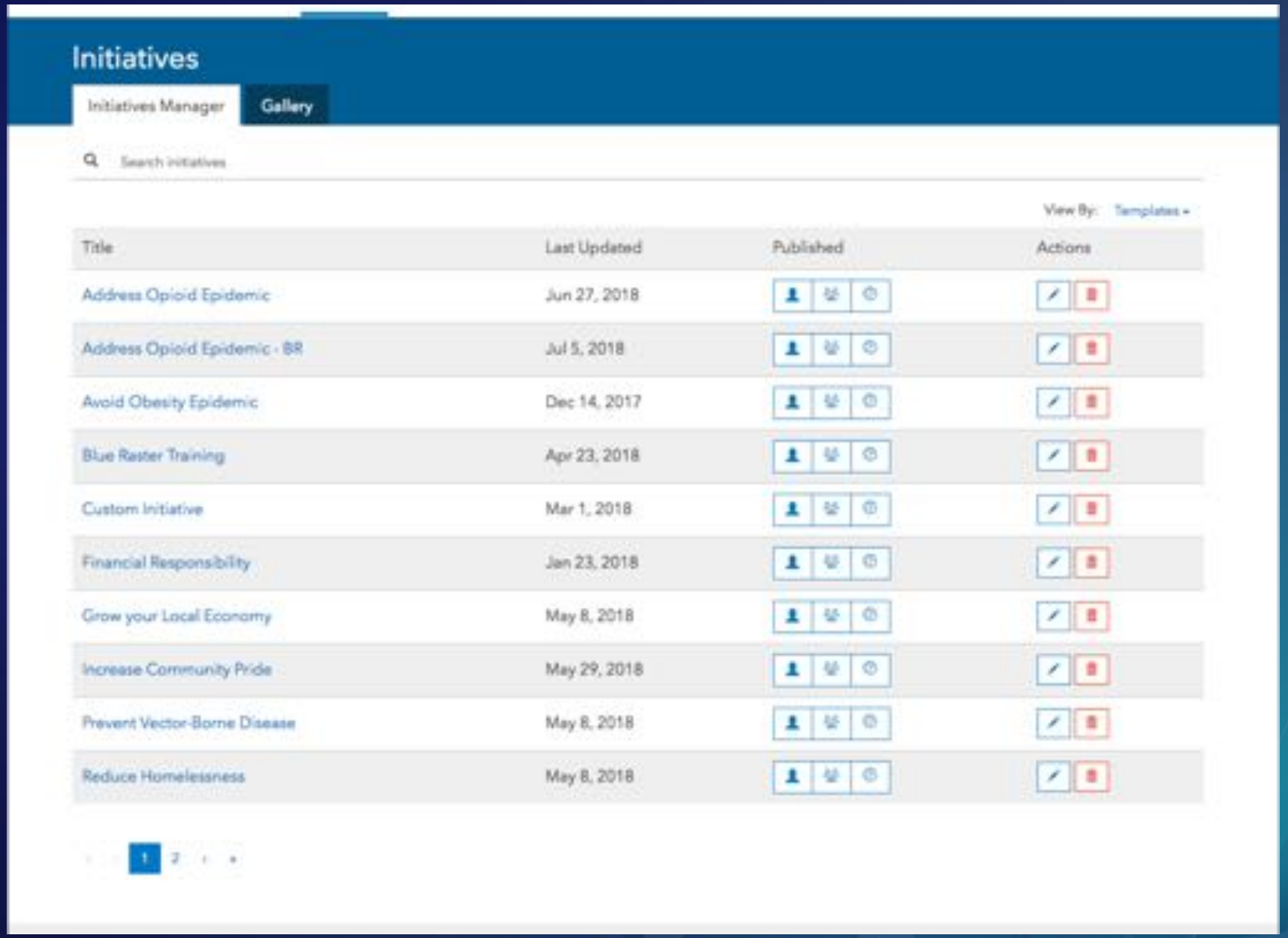
Increase Community Pride

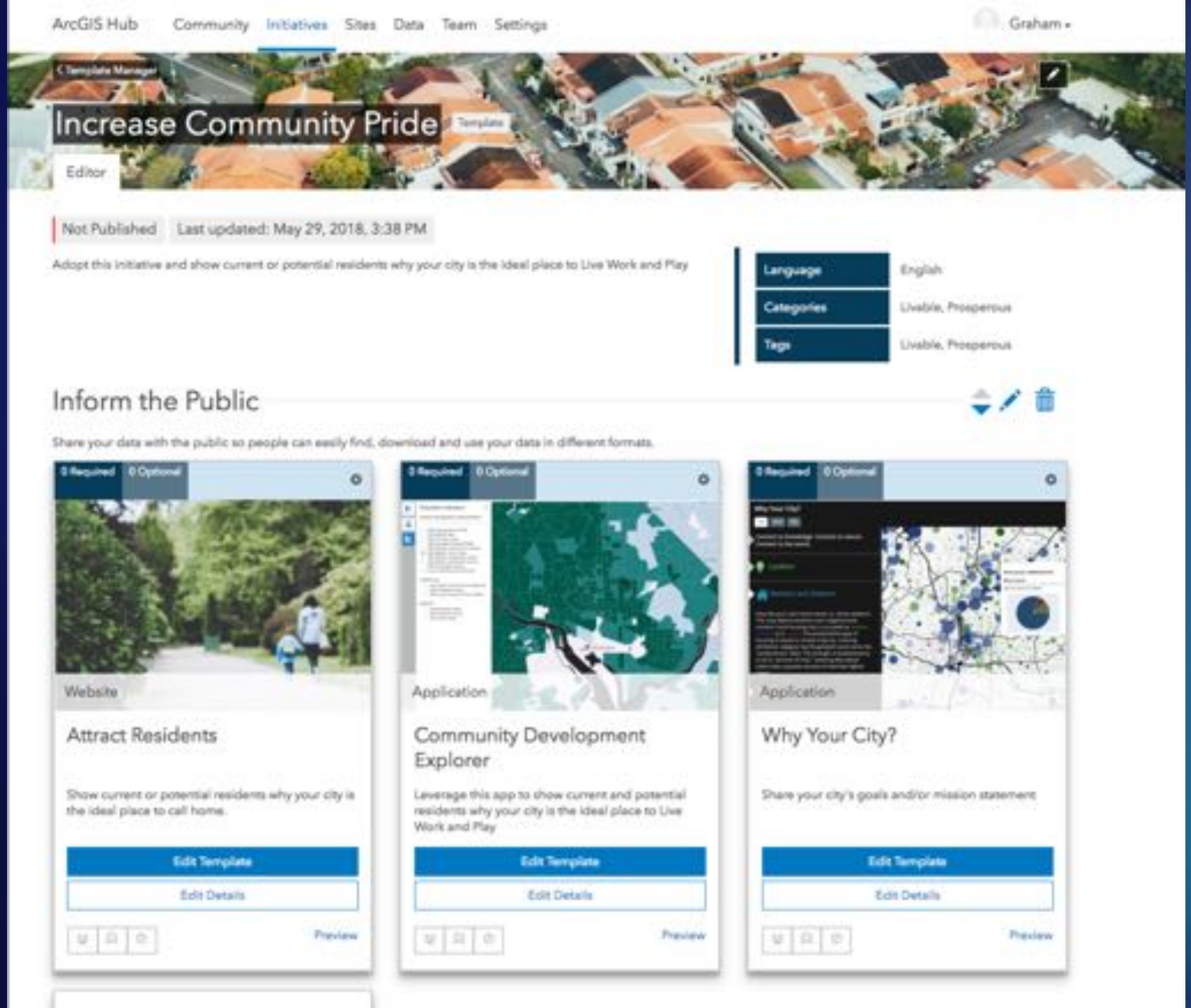
Livable, Prosperous

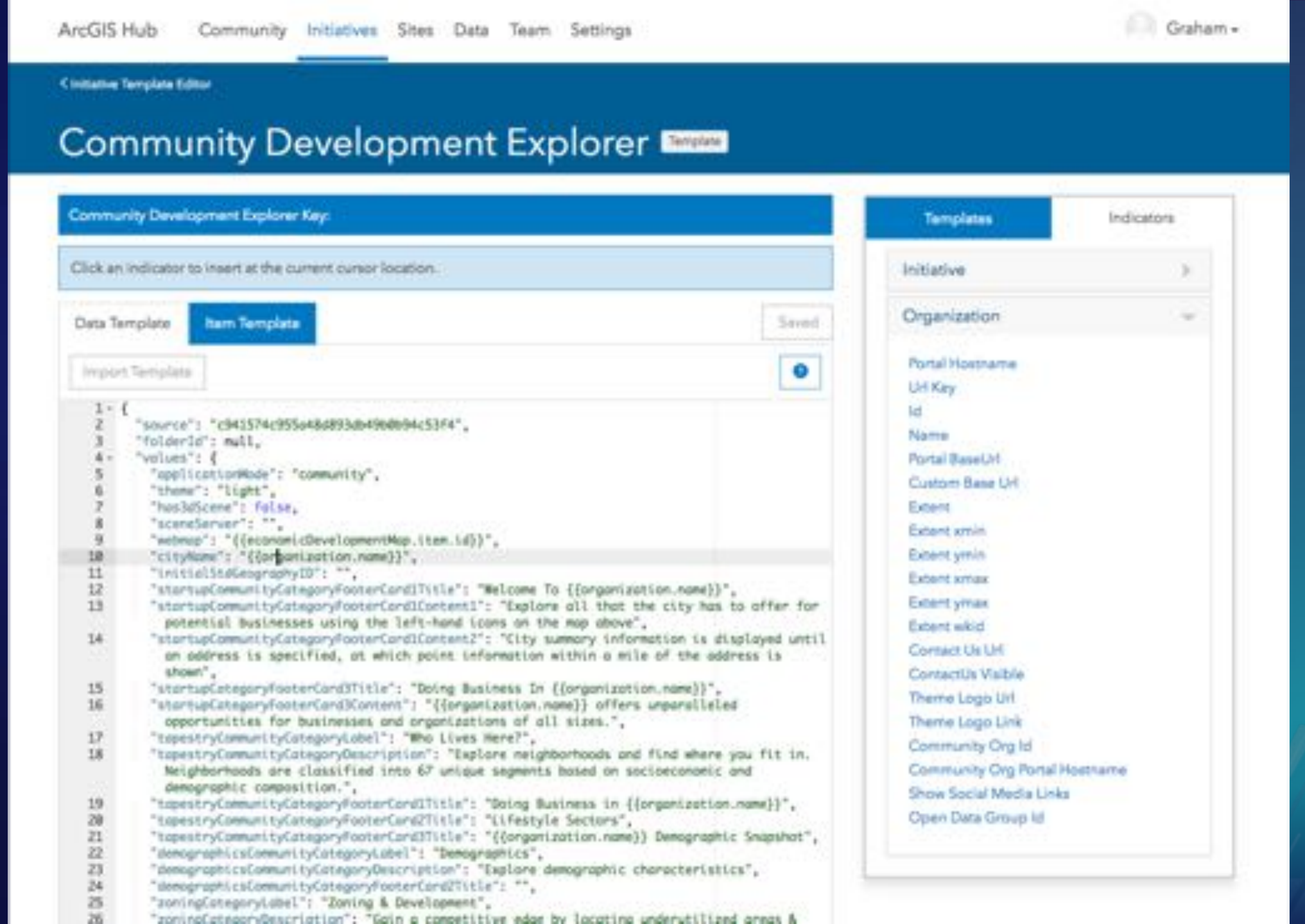
Details

Preview

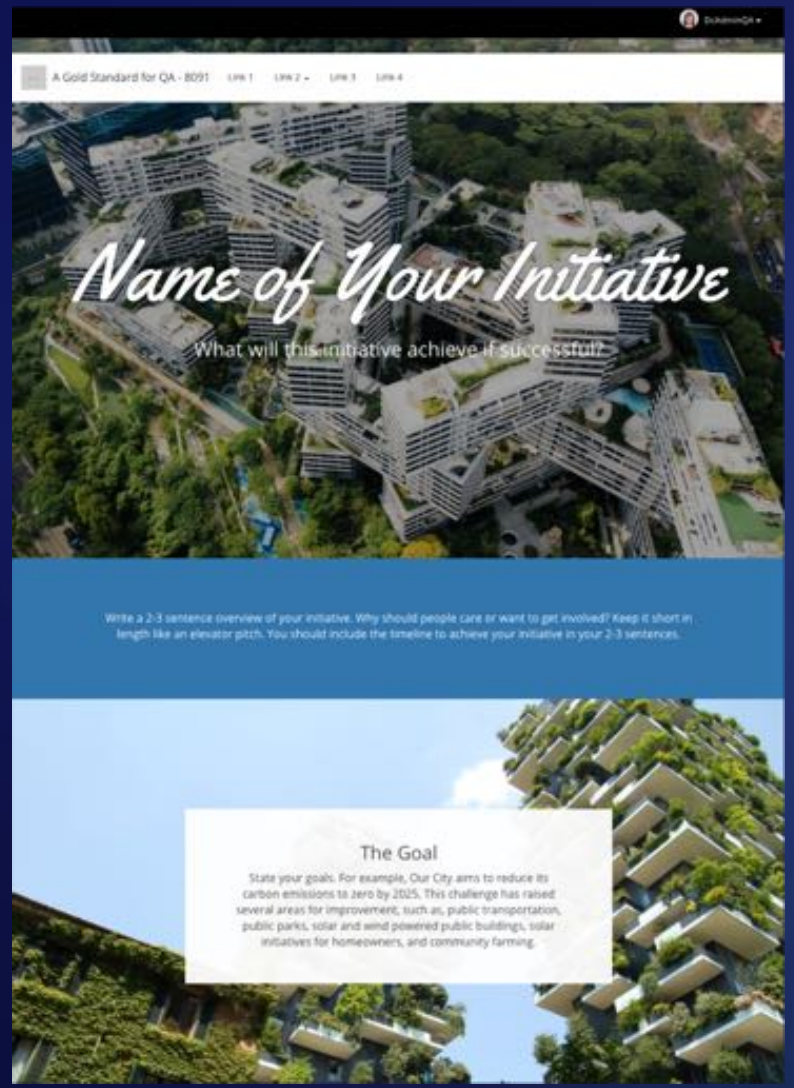


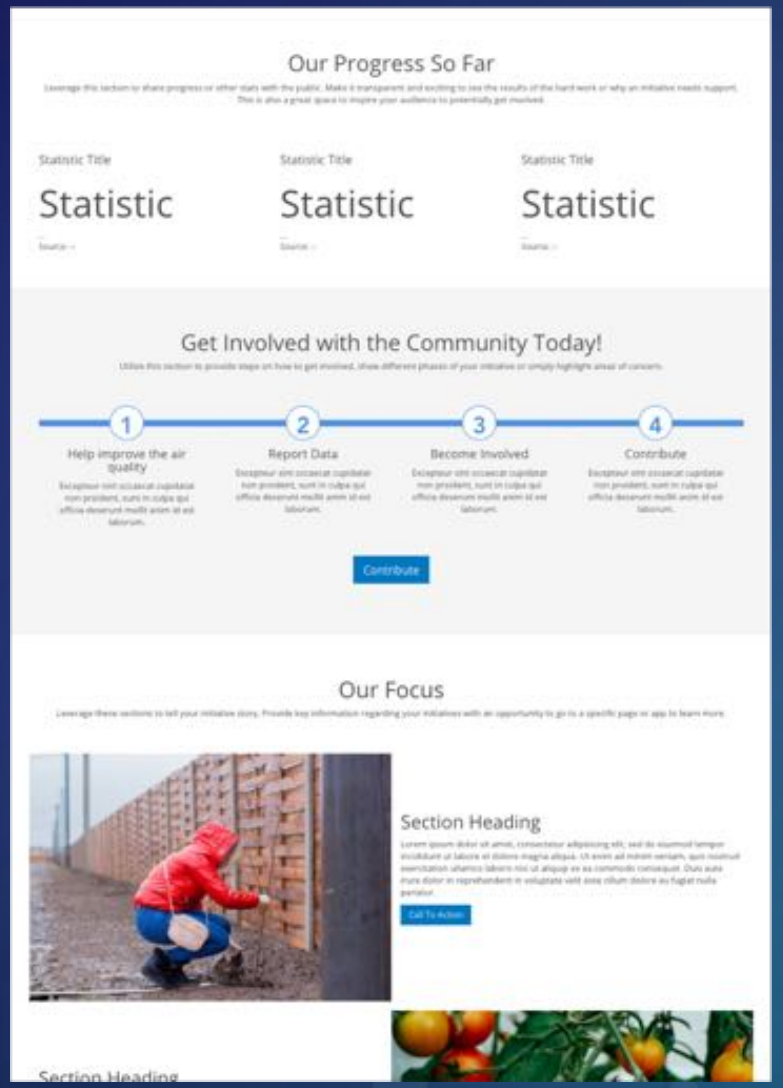

Initiatives
Initiatives Manager
Gallery
Search initiatives
View By: Templates
Title
Last Updated
Published
Actions
Address Opioid Epidemic
Jun 27, 2018
Address Opioid Epidemic - BR
Jul 5, 2018
Avoid Obesity Epidemic
Dec 14, 2017
Blue Raster Training
Apr 23, 2018
Custom Initiative
Mar 1, 2018
Financial Responsibility
Jan 23, 2018
Grow your Local Economy
May 8, 2018
Increase Community Pride
May 29, 2018
Prevent Vector-Borne Disease
May 8, 2018
Reduce Homelessness
May 8, 2018
1
2

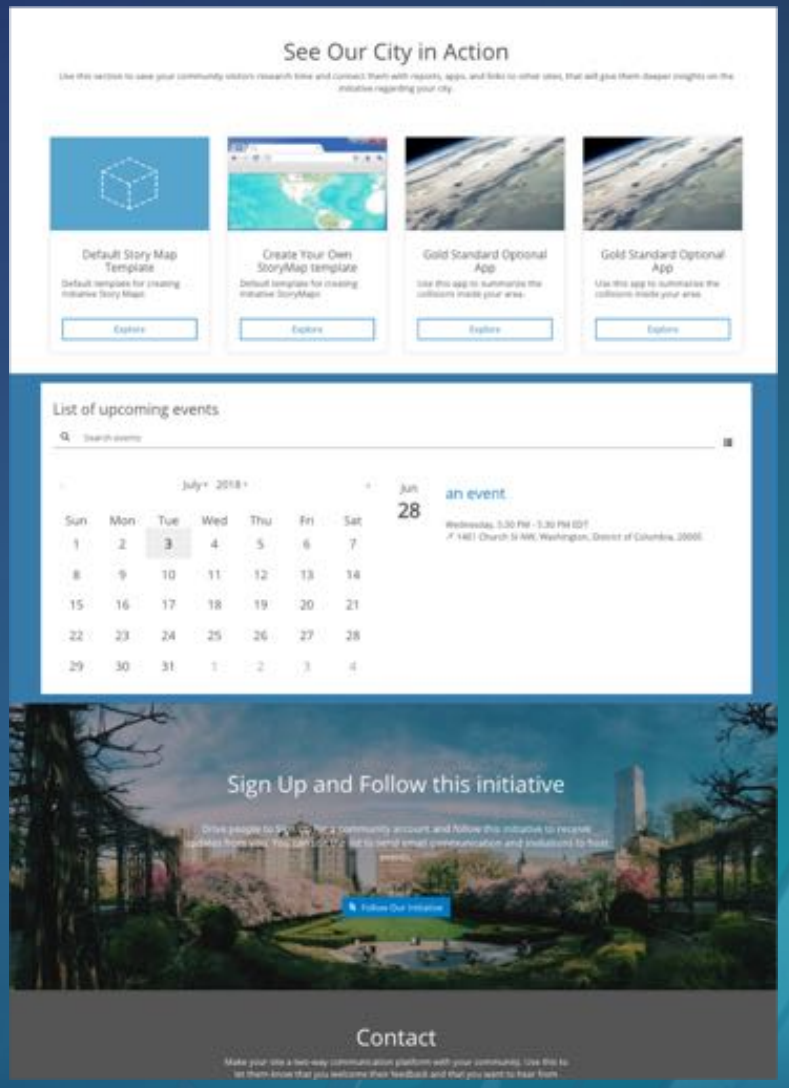

ArcGIS Hub
Community
Initiatives
Sites
Data
Team
Settings
Graham
Increase Community Pride
Template
Editor
Not Published
Last updated: May 29, 2018, 3:38 PM
Adopt this initiative and show current or potential residents why your city is the ideal place to Live Work and Play
Language
English
Categories
Livable, Prosperous
Tags
Livable, Prosperous
Inform the Public
Share your data with the public so people can easily find, download and use your data in different formats.
0 Required
0 Optional
Website
Attract Residents
Show current or potential residents why your city is the ideal place to call home.
Edit Template
Edit Details
Preview
Application
Community Development Explorer
Leverage this app to show current and potential residents why your city is the ideal place to Live Work and Play
Edit Template
Edit Details
Preview
Application
Why Your City?
Share your city's goals and/or mission statement
Edit Template
Edit Details
Preview


ArcGIS Hub
Community
Initiatives
Sites
Data
Team
Settings
Graham
Initiative Template Editor
Community Development Explorer
Template
Community Development Explorer Key:
Click an indicator to insert at the current cursor location.
Data Template
Item Template
Saved
Import Template
{
"source": "c941574c955e48dd93db49b0b94c53f4",
"folderId": null,
"values": {
"applicationMode": "community",
"theme": "light",
"has3dScene": false,
"sceneServer": "",
"webmap": "{{economicDevelopmentMap.item.id}}",
"cityName": "{{organization.name}}",
"initialStdGeographyID": "",
"startupCommunityCategoryFooterCard1Title": "Welcome To {{organization.name}}",
"startupCommunityCategoryFooterCard1Content1": "Explore all that the city has to offer for potential businesses using the left-hand icons on the map above",
"startupCommunityCategoryFooterCard1Content2": "City summary information is displayed until an address is specified, at which point information within a mile of the address is shown",
"startupCategoryFooterCard3Title": "Doing Business In {{organization.name}}",
"startupCategoryFooterCard3Content": "{{organization.name}} offers unparalleled opportunities for businesses and organizations of all sizes.",
"tapestryCommunityCategoryLabel": "Who Lives Here?",
"tapestryCommunityCategoryDescription": "Explore neighborhoods and find where you fit in. Neighborhoods are classified into 67 unique segments based on socioeconomic and demographic composition.",
"tapestryCommunityCategoryFooterCard1Title": "Doing Business in {{organization.name}}",
"tapestryCommunityCategoryFooterCard2Title": "Lifestyle Sectors",
"tapestryCommunityCategoryFooterCard3Title": "{{organization.name}} Demographic Snapshot",
"demographicsCommunityCategoryLabel": "Demographics",
"demographicsCommunityCategoryDescription": "Explore demographic characteristics",
"demographicsCommunityCategoryFooterCard2Title": "",
"zoningCategoryLabel": "Zoning & Development",
"zoningCategoryDescription": "Gain a competitive edge by locating underutilized areas &
Templates
Indicators
Initiative
Organization
Portal Hostname
Url Key
Id
Name
Portal BaseUrl
Custom Base Url
Extent
Extent xmin
Extent ymin
Extent xmax
Extent ymax
Extent wkid
Contact Us Url
ContactUs Visible
Theme Logo Url
Theme Logo Link
Community Org Id
Community Org Portal Hostname
Show Social Media Links
Open Data Group Id

Secure
https://
HTTPS for your custom domains


A Gold Standard for QA - 8091
Name of Your Initiative
What will this initiative achieve if successful?
Write a 2-3 sentence overview of your initiative. Why should people care or want to get involved? Keep it short in length like an elevator pitch. You should include the timeline to achieve your initiative in your 2-3 sentences.
The Goal
State your goals. For example, Our City aims to reduce its carbon emissions to zero by 2025. This challenge has raised several areas for improvement, such as, public transportation, public parks, solar and wind powered public buildings, solar initiatives for homeowners, and community farming.


Our Progress So Far
Statistic Title
Statistic
Statistic Title
Statistic
Statistic Title
Statistic
Get Involved with the Community Today!
1
Help improve the air quality
2
Report Data
3
Become Involved
4
Contribute
Contribute
Our Focus
Section Heading
Call To Action
Section Heading


See Our City in Action
Default Story Map Template
Create Your Own StoryMap template
Gold Standard Optional App
Gold Standard Optional App
List of upcoming events
July 2018
Sun Mon Tue Wed Thu Fri Sat
Jun 28
an event
Sign Up and Follow this initiative
Follow Our Initiative
Contact

Admin

Back to Site Editor

Chart Settings

Chart Type (Required)

JSON

Data

Attract new Business and Grow your Local Economy_fieldworker - surveyPoint

Choose Category Attribute (Required)

Filter list by attribute name...

- CreationDate — Year
- Creator
- EditDate
- Editor
- How well does our community foster economic prosperity?
- If no, please describe why.
- Do you believe our community is prepared to recover from

Choose Value Attribute — Count

Filter list by attribute name...

- CreationDate
- Creator
- EditDate
- Editor
- How well does our community foster economic prosperity?
- If no, please describe why.
- Do you believe our community is prepared to recover from

Help Build Loudoun's Future

Loudoun county planning initiative

Explore

Help Build Loudoun's Future

Loudoun county planning initiative

Explore

ArcGIS Hub Coming Features

UC 2018

Engagement & Collaboration

- Adding community members to initiative teams
- New charting for sites & pages
- New attractive site templates

Initiative Templates

- Tackle the Opioid Epidemic 2.0
- Reduce Homelessness 2.0
- Prevent Vector Borne Disease 2.0
- Vision Zero - Reduce Pedestrian Deaths 2.0
- Initiative Template Builder 1.0

Q3 2018

Engagement & Collaboration

- Easier site editing
- Initiative Activity dashboard
- Community member profiles
- Community account creation with any email address
- Improved search (semantic search)
- New Events system
- Commenting and discussions tool

Initiative Templates

- Performance Management (new)
- Maximize Infrastructure Investment (new)

Q4 2018 and Beyond

Engagement & Collaboration

- Improved initiative data management
- New crowdsourcing app
- New "what's around me" app
- New, streamlined user experience
- ArcGIS Hub and ArcGIS Urban integration

Initiative Templates

- Climate / Community Resiliency
- Volunteerism
- Prepare & Respond to Extreme Weather Events
- Community Planning
- Strategic Planning
- Publishing of custom initiatives

Thank **you** for making your data accessible to your community

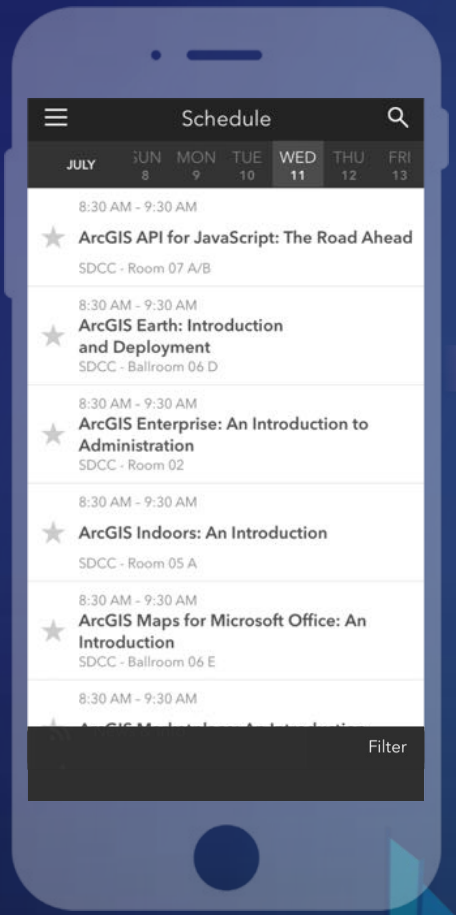
Questions?

Please Take Our Survey on the **Esri Events App**!

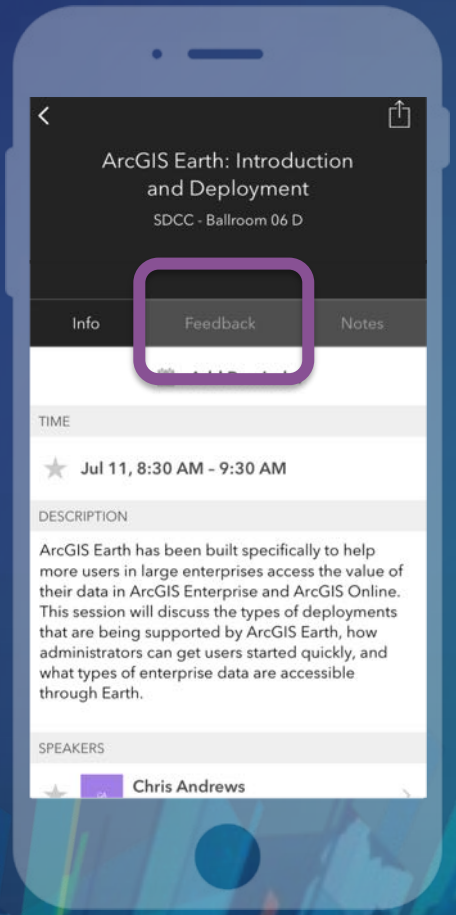
Please Take Our Survey on the App

Download the Esri Events app and find your event

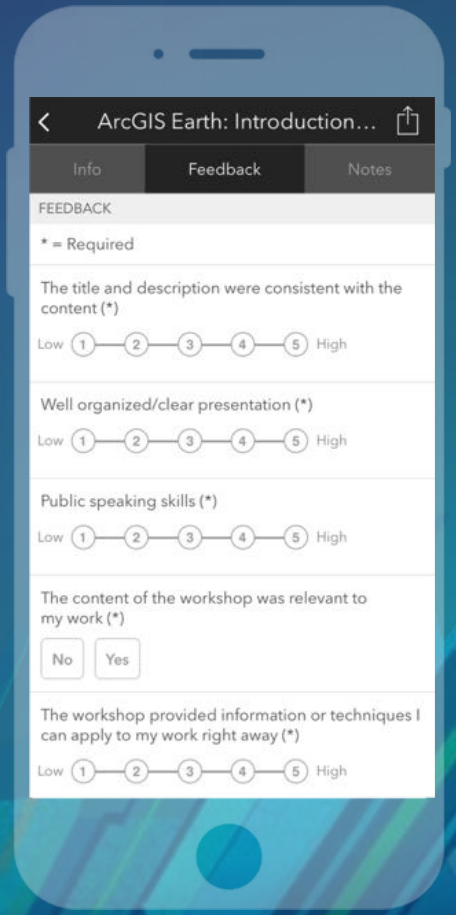
Select the session you attended



Scroll down to find the feedback section



Complete answers and select “Submit”



See Us Here

WORKSHOP	LOCATION	TIME FRAME
• Title	• Where	• 12:00 – 1:00

esri
THE SCIENCE OF WHERE